



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

PERANGKAAN PEMBUATAN BULANAN

MONTHLY MANUFACTURING STATISTICS

JULAI 2024
JULY

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PEMAKLUMAN / ANNOUNCEMENT

Jabatan Perangkaan Malaysia (DOSM) telah melancarkan OpenDOSM NextGen sebagai medium yang menyediakan katalog data dan visualisasi bagi memudahkan pengguna menganalisis pelbagai data dan boleh diakses melalui portal <https://open.dosm.gov.my>.

DOSM sedang menjalankan Banci Pertanian 2024. Sila layari <https://www.myagricensus.gov.my/> untuk maklumat lanjut. Tema adalah "Banci Pertanian, Kunci Kemajuan Pertanian".

Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober setiap tahun. Tema sambutan MyStats Day adalah "Statistik Nadi Kehidupan". DOSM menyambut ulang tahun ke 75 Jubli Intan pada tahun 2024.

The Department of Statistics Malaysia (DOSM) has launched OpenDOSM NextGen as a medium that provides catalog data and visualisations to facilitate users' analysis and can be accessed through <https://open.dosm.gov.my>.

DOSM is conducting the Agricultural Census 2024. Please visit <https://www.myagricensus.gov.my/> for more information. The theme is "Agriculture Census, Key to Agricultural Development".

The Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20th each year. MyStats Day theme is "Statistics is the Essence of Life". DOSM commemorates its 75th Diamond Jubilee in 2024.

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Penerbitan ini memaparkan perangkaan nilai jualan, bilangan pekerja bergaji dan gaji & upah secara bulanan berdasarkan Survei Pembuatan Bulanan. Objektif utama penerbitan ini adalah untuk menyediakan data aliran terkini sektor Pembuatan bagi membantu pengguna dalam perancangan, penggubalan dasar dan membuat keputusan.

Ringkasan penemuan dan jadual perangkaan yang terperinci masing-masing dipaparkan pada bahagian pertama dan kedua penerbitan ini. Sementara itu, aspek-aspek teknikal yang digunakan seperti skop dan liputan dan konsep dan definisi juga disediakan pada Bahagian ketiga bagi membantu pengguna memahami statistik yang diterbitkan.

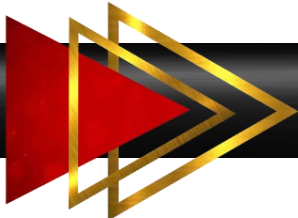
Jabatan Perangkaan Malaysia merakamkan penghargaan atas kerjasama yang diberikan oleh responden dan juga semua pihak yang telah menyumbang secara langsung dan tidak langsung dalam menjayakan penerbitan ini. Sebarang maklum balas dan cadangan untuk penambahbaikan penerbitan ini pada masa akan datang amat dihargai.

Dato' Sri Dr. Mohd Uzir Mahidin

Ketua Perangkawan Malaysia

September 2024





PREFACE

This publication presents monthly statistics on sales value, number of employees and salaries & wages based on the Monthly Manufacturing Survey. The main objective of this publication is to provide statistics on the latest trends of the Manufacturing sector to assist users in the planning, formulation of policies and decision making.

The summary findings and detailed statistical tables are highlighted in the first and second part of this publication respectively. Meanwhile, the technical aspects used such as scope and coverage and concepts and definitions are provided in the third part to assist users to understand the published statistics.

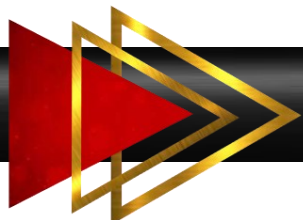
The Department of Statistics, Malaysia gratefully acknowledges the co-operation rendered by the respondents as well as all parties who have contributed directly and indirectly in making this publication a success. Any feedback and suggestion towards improving future publication is highly appreciated.

Dato' Sri Dr. Mohd Uzir Mahidin

Chief Statistician Malaysia

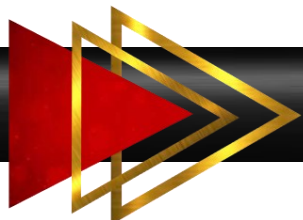
September 2024





KANDUNGAN / CONTENTS

	Muka Surat Page
Kata Pengantar / Preface	i - ii
Kandungan / Contents	iii - iv
Kalendar Awalan Keluaran 2024 / Advance Release Calendar 2024	v
Penemuan Utama / Main Findings	
Ringkasan Penemuan Perangkaan Pembuatan Bulanan (PPB), Julai 2024 <i>Summary of Findings Monthly Manufacturing Statistics (MMS), July 2024</i>	1 - 8
Jadual / Tables	
1 Perangkaan Utama Bagi Sektor Pembuatan <i>Principal Statistics of Manufacturing Sector</i>	9
1.1a Nilai Jualan Sektor Pembuatan Mengikut Subsektor <i>Sales Value of Manufacturing Sector by Sub-sector</i>	10 - 13
1.1b Nilai Jualan Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Tahunan <i>Sales Value of Manufacturing Sector by Sub-sector: Annual Percentage Change</i>	14 - 15
1.1c Nilai Jualan Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Bulanan/Suku Tahunan <i>Sales Value of Manufacturing Sector by Sub-sector: Monthly/Quarterly Percentage Change</i>	16 - 17
1.2a Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor <i>Number of Paid Employees of Manufacturing Sector by Sub-sector</i>	18 - 21
1.2b Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Tahunan <i>Number of Paid Employees of Manufacturing Sector by Sub-sector: Annual Percentage Change</i>	22 - 23
1.2c Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Bulanan/Suku Tahunan <i>Number of Paid Employees of Manufacturing Sector by Sub-sector: Monthly/Quarterly Percentage Change</i>	24 - 25
1.3a Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Subsektor <i>Salaries and Wages Paid of Manufacturing Sector by Sub-sector</i>	26 - 27
1.3b Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Tahunan <i>Salaries and Wages Paid of Manufacturing Sector by Sub-sector: Annual Percentage Change</i>	28 - 29



KANDUNGAN / CONTENTS

Muka Surat
Page

Jadual / Tables

1.3c	Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Bulanan/Suku Tahunan <i>Salaries and Wages Paid of Manufacturing Sector by Sub-sector: Monthly/Quarterly Percentage Change</i>	30 - 31
1.4a	Nilai Jualan Sektor Pembuatan Mengikut Kumpulan <i>Sales Value of Manufacturing Sector by Group</i>	32 - 47
1.4b	Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan <i>Sales Value of Manufacturing Sector by Group: Annual Percentage Change</i>	48 - 55
1.4c	Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan <i>Sales Value of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change</i>	56 - 63
1.5a	Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan <i>Number of Paid Employees of Manufacturing Sector by Group</i>	64 - 79
1.5b	Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan <i>Number of Paid Employees of Manufacturing Sector by Group: Annual Percentage Change</i>	80 - 87
1.5c	Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan <i>Number of Paid Employees of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change</i>	88 - 95
1.6a	Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan <i>Salaries and Wages Paid of Manufacturing Sector by Group</i>	96 - 111
1.6b	Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan <i>Salaries and Wages Paid of Manufacturing Sector by Group: Annual Percentage Change</i>	112 - 119
1.6c	Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan <i>Salaries and Wages Paid of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change</i>	120 - 127
2	Pengeluaran Produk Utama dalam Industri Pembuatan yang Terpilih <i>Production of Major Products in Selected Manufacturing Industries</i>	128 - 136

Nota Teknikal / Technical Notes

137 - 150



KALENDAR KELUARAN AWALAN 2024 / ADVANCE RELEASE CALENDAR 2024

Bulan rujukan / <i>Reference month</i>	Tarikh / <i>Date</i>
Januari 2024 / <i>January 2024</i>	12.03.2024
Februari 2024 / <i>February 2024</i>	08.04.2024
Mac 2024 / <i>March 2024</i>	10.05.2024
April 2024 / <i>April 2024</i>	10.06.2024
Mei 2024 / <i>May 2024</i>	12.07.2024
Jun 2024 / <i>June 2024</i>	09.08.2024
Julai 2024 / <i>July 2024</i>	10.09.2024
Ogos 2024 / <i>August 2024</i>	11.10.2024
September 2024 / <i>September 2024</i>	08.11.2024
Oktober 2024 / <i>October 2024</i>	10.12.2024
November 2024 / <i>November 2024</i>	11.01.2025
Disember 2024 / <i>December 2024</i>	07.02.2025

Nota / *Notes:*

Kenyataan akhbar dihantar kepada pihak media pada tarikh pengeluaran dengan masa embargo ditetapkan bagi penyiaran. Kenyataan akhbar tersebut disiarkan selepas masa embargo di portal Jabatan Perangkaan Malaysia (<http://www.dosm.gov.my>)

A press statement is issued to the media on the date of release with a specified embargo time for release. The press statement is posted after the embargo time on the portal of Department of Statistics Malaysia (<http://www.dosm.gov.my>)

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**RINGKASAN
PENEMUAN**

Summary of Findings

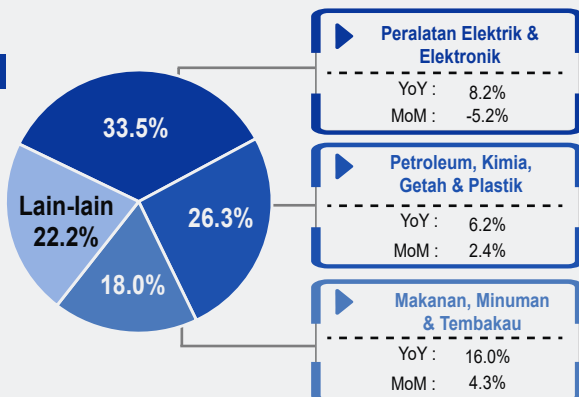
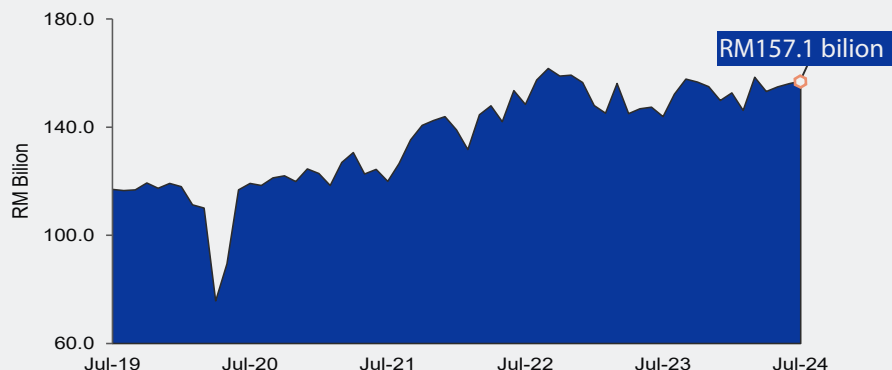


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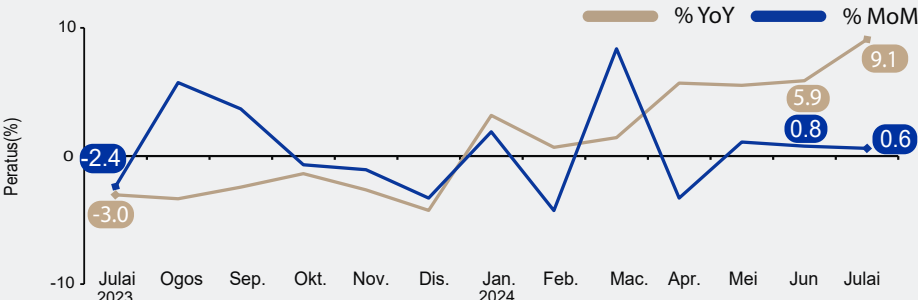
PERANGKAAAN PEMBUATAN JULAI 2024

Nilai Jualan Sektor Pembuatan, Julai 2024

Nilai jualan sektor Pembuatan mencapai RM157.1 bilion pada Julai 2024, mencatatkan peningkatan 9.1 peratus berbanding setahun yang lalu. Lebih dua pertiga daripada nilai jualan Pembuatan disumbangkan oleh subsektor Peralatan Elektrik & Elektronik (33.5%); Petroleum, Kimia, Getah & Plastik (26.3%); dan Makanan, Minuman & Tembakau (18.0%)

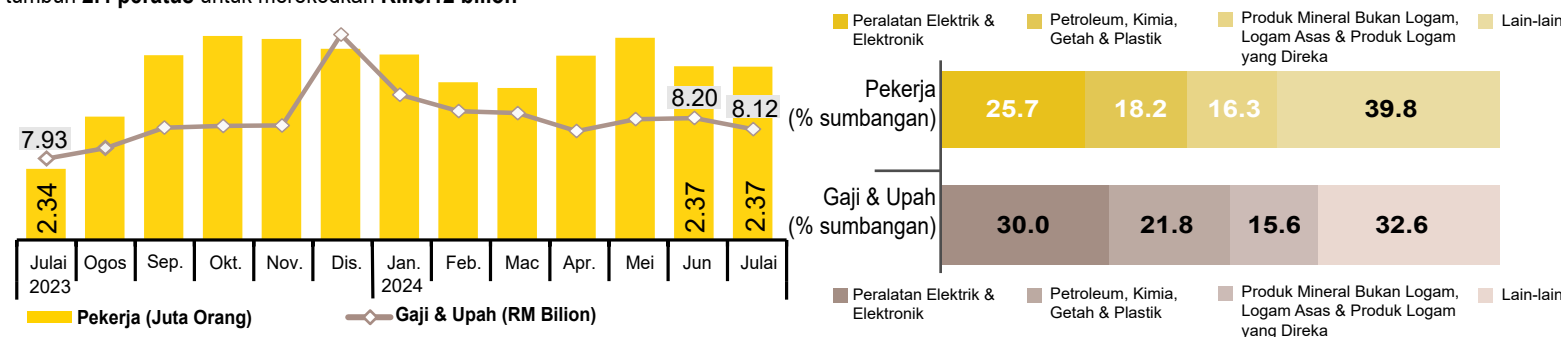


Subsektor dengan pertumbuhan tahun ke tahun tertinggi bagi nilai jualan, Julai 2024		
Makanan, Minuman & Tembakau	Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka	Produk Tekstil, Pakaian, Kulit dan Kasut
YoY : 16.0%	YoY : 11.1%	YoY : 9.7%
MoM : 4.3%	MoM : -2.9%	MoM : 5.2%



Bilangan Pekerja dan Gaji & Upah, Julai 2024

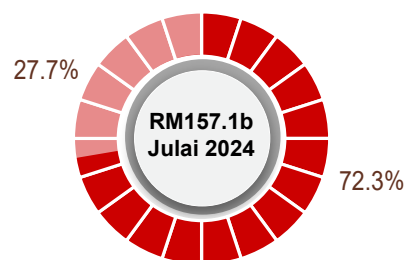
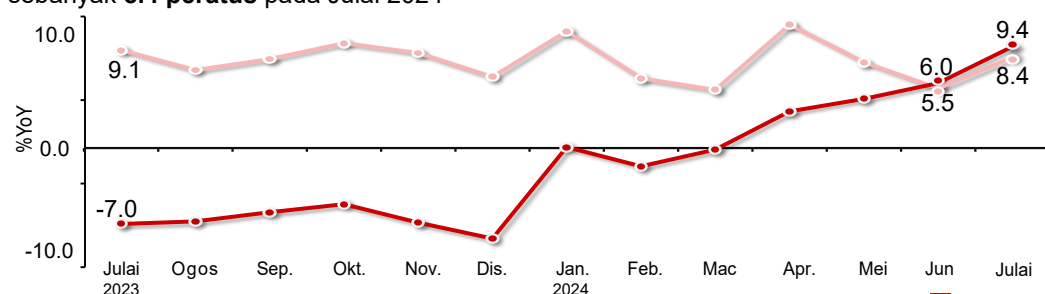
Seramai 2.37 juta pekerja terlibat dalam sektor Pembuatan pada Julai 2024, meningkat sebanyak 1.3 peratus tahun ke tahun. Sementara itu, gaji & upah tumbuh 2.4 peratus untuk merekodkan RM8.12 bilion



	Peralatan Elektrik & Elektronik	Petroleum, Kimia, Getah & Plastik	Produk Mineral Bukan Logam, Logam Asas & Produk Logam yang Direka	Lain-lain
Pekerja (% sumbangan)	25.7	18.2	16.3	39.8
Gaji & Upah (% sumbangan)	30.0	21.8	15.6	32.6

Industri Berorientasikan Eksport and Domestik

Nilai jualan industri berorientasikan eksport meningkat sebanyak 9.4 peratus manakala industri berorientasikan domestik berkembang sebanyak 8.4 peratus pada Julai 2024

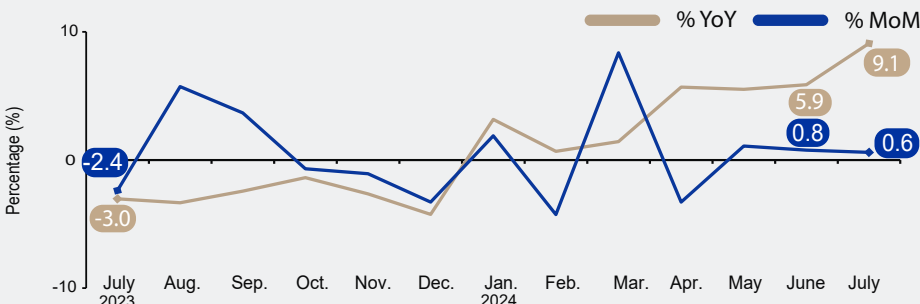
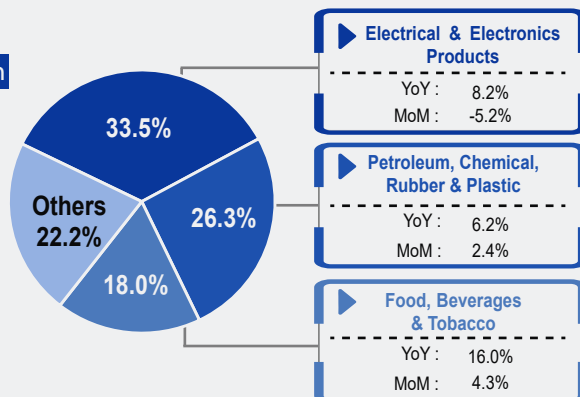
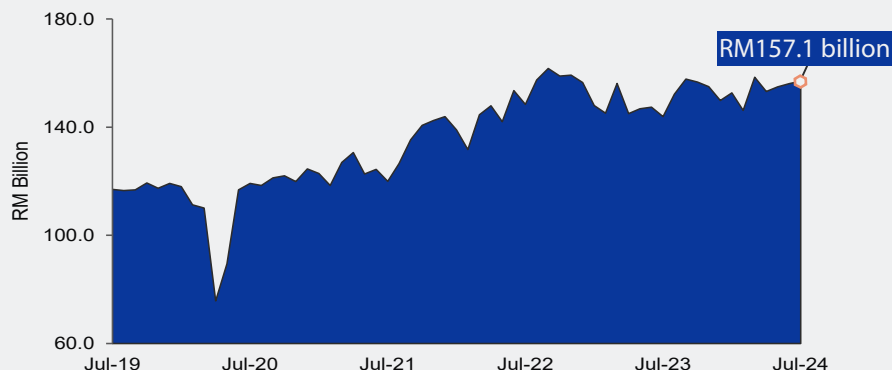


MANUFACTURING STATISTICS JULY 2024

Sales Value of the Manufacturing Sector, July 2024

The Manufacturing sector's sales value reached RM157.1 billion in July 2024, registering a surge of 9.1 per cent compared a year ago

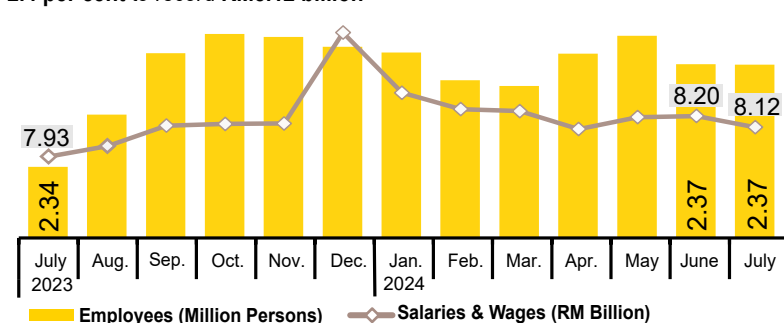
More than two-thirds of Manufacturing sales value was contributed by Electrical & Electronics Products (33.5%); Petroleum, Chemical, Rubber & Plastic (26.3%); and Food, Beverages & Tobacco (18.0%) sub-sectors



Sub-sectors with the highest year-on-year growth of sales value, July 2024		
Food, Beverages & Tobacco	Non-Metallic Mineral Products, Basic Metal & Fabricated Metal Products	Textiles, Wearing apparel, Leather & Footwear
YoY : 16.0%	YoY : 11.1%	YoY : 9.7%
MoM : 4.3%	MoM : -2.9%	MoM : 5.2%

Number of Employees and Salaries & Wages, July 2024

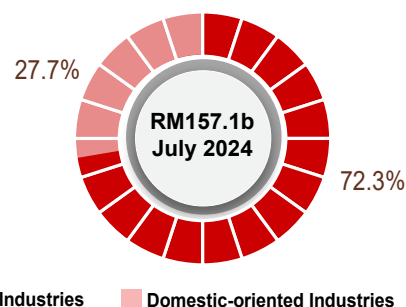
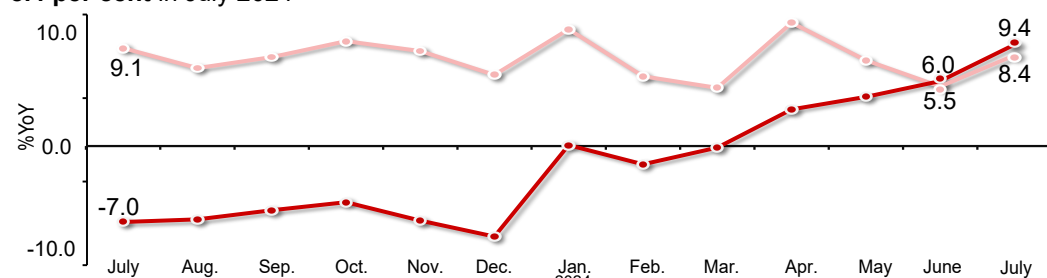
There were 2.37 million persons engaged in the Manufacturing sector in July 2024, which rose by 1.3 per cent year-on-year. Meanwhile, salaries & wages grew by 2.4 per cent to record RM8.12 billion



	Electrical & Electronics Products	Petroleum, Chemical, Rubber & Plastic	Non-metallic Mineral Products, Basic Metal & Fabricated Metal Products	Others
Employees (% share)	25.7	18.2	16.3	39.8
Salaries & Wages (% share)	30.0	21.8	15.6	32.6

Export and Domestic-oriented Industries

The sales value of the export-oriented industries improved further by 9.4 per cent while the domestic-oriented industries expanded by 8.4 per cent in July 2024

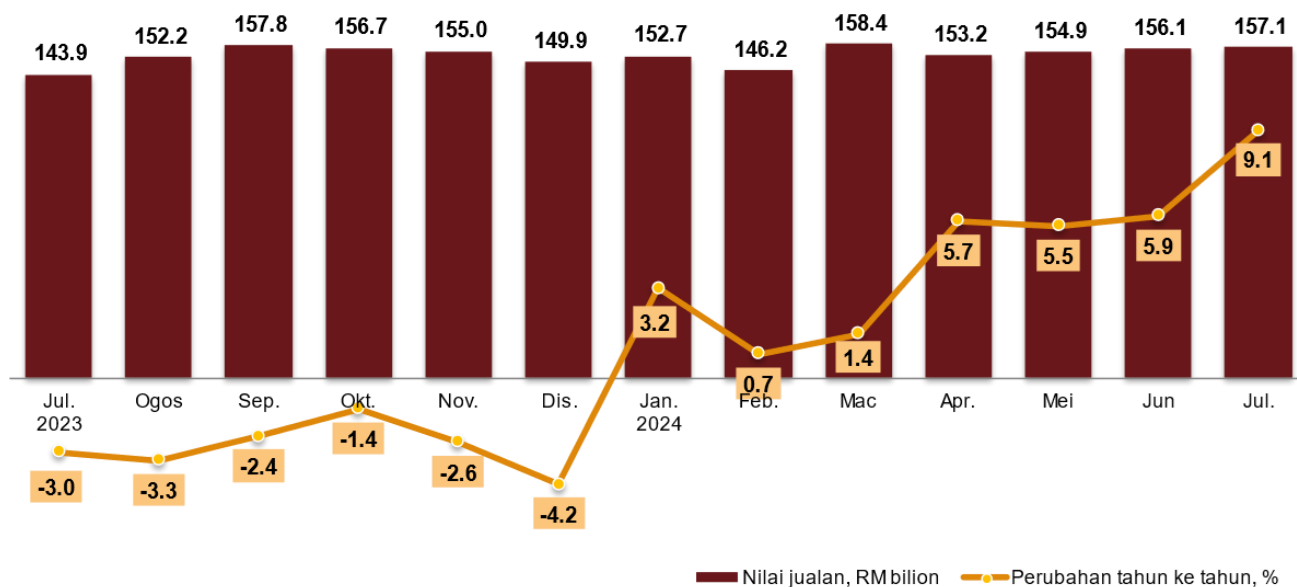


1.0 NILAI JUALAN SEKTOR PEMBUATAN

Nilai jualan sektor Pembuatan meningkat 9.1 peratus untuk mencapai RM157.1 bilion pada Julai 2024 (Julai 2023: -3.0%), menunjukkan pertumbuhan tertinggi sejak Februari 2023 (10.3%). Berasaskan bulan ke bulan, nilai jualan tumbuh sebanyak 0.6 peratus daripada RM156.1 bilion pada Jun 2024 (0.8%). (**Carta 1**). Begitu juga, nilai jualan pelarasan bermusim meningkat 3.8 peratus berbanding bulan sebelumnya.

Peningkatan ini sebahagian besarnya dipacu oleh pertumbuhan dua digit iaitu sebanyak 16.0 peratus (Jun 2024: 8.6%) dalam subsektor Makanan, minuman & tembakau; diikuti oleh subsektor Peralatan elektrik & elektronik (8.2 peratus); dan Petroleum, kimia, getah & plastik (6.2 peratus).

Carta 1: Nilai Jualan Sektor Pembuatan, Julai 2023 - Julai 2024



*** Nota:**

- Laporan ini boleh diperolehi daripada laman portal Jabatan Perangkaan Malaysia (<https://www.dosm.gov.my>) di bawah ruangan: **Siaran Terkini**.
- Data bagi bulan Julai 2024 merupakan data **awalan**. Data ini akan dikemaskini berdasarkan data terkini yang diperolehi dan akan diterbitkan dalam penerbitan bulan Ogos 2024.

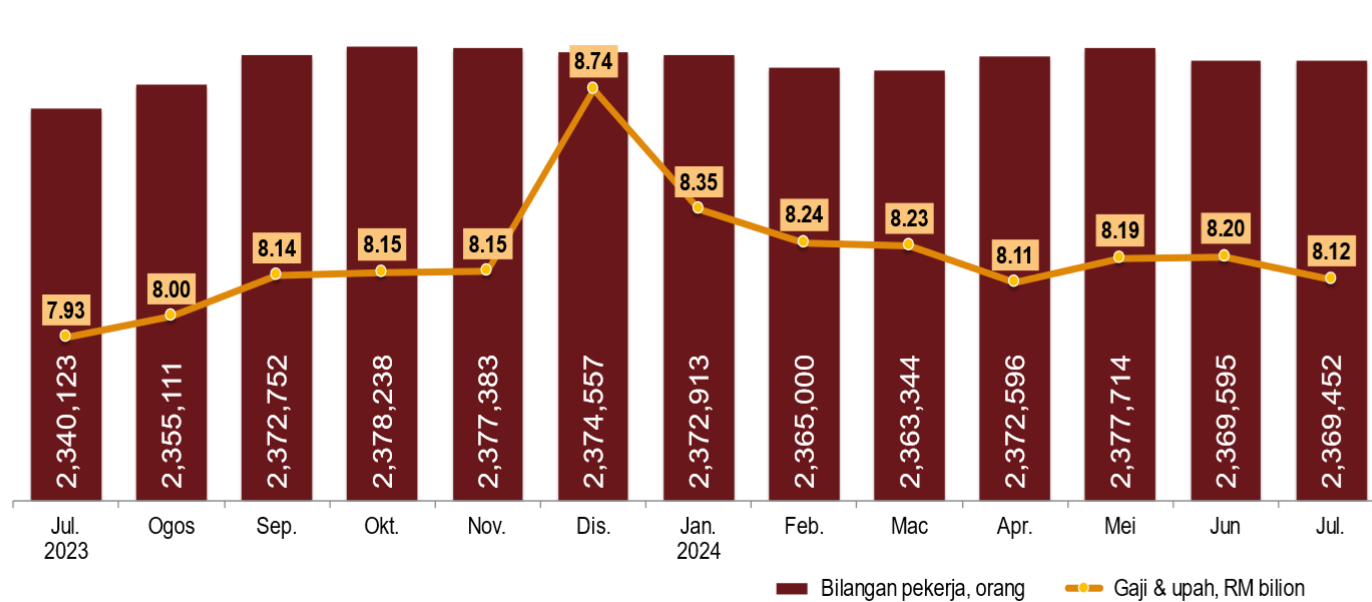
2.0 BILANGAN PEKERJA

Terdapat 2.37 juta pekerja terlibat dalam sektor Pembuatan pada Julai 2024, meningkat 1.3 peratus (Jun 2024: 1.0%) berbanding setahun lalu (**Carta 2**). Pertumbuhan itu sebahagian besarnya disebabkan oleh Makanan, minuman & tembakau (4.0%); Produk mineral bukan logam, logam asas & produk logam yang direka (2.3%); dan Kayu, perabot, produk kertas & percetakan (1.2%). Berbanding dengan bulan sebelumnya, bilangan pekerja dalam sektor ini merosot sedikit 0.01 peratus (Jun 2024: -0.3%).

3.0 GAJI & UPAH

Gaji & upah yang dalam sektor Pembuatan meningkat sebanyak 2.4 peratus, mencecah jumlah RM8.12 bilion seperti yang ditunjukkan di **Carta 2**. Berbanding bulan sebelumnya, gaji & upah berkurang sebanyak 0.9 peratus, selepas pertumbuhan marginal 0.1 peratus direkodkan pada Jun 2024.

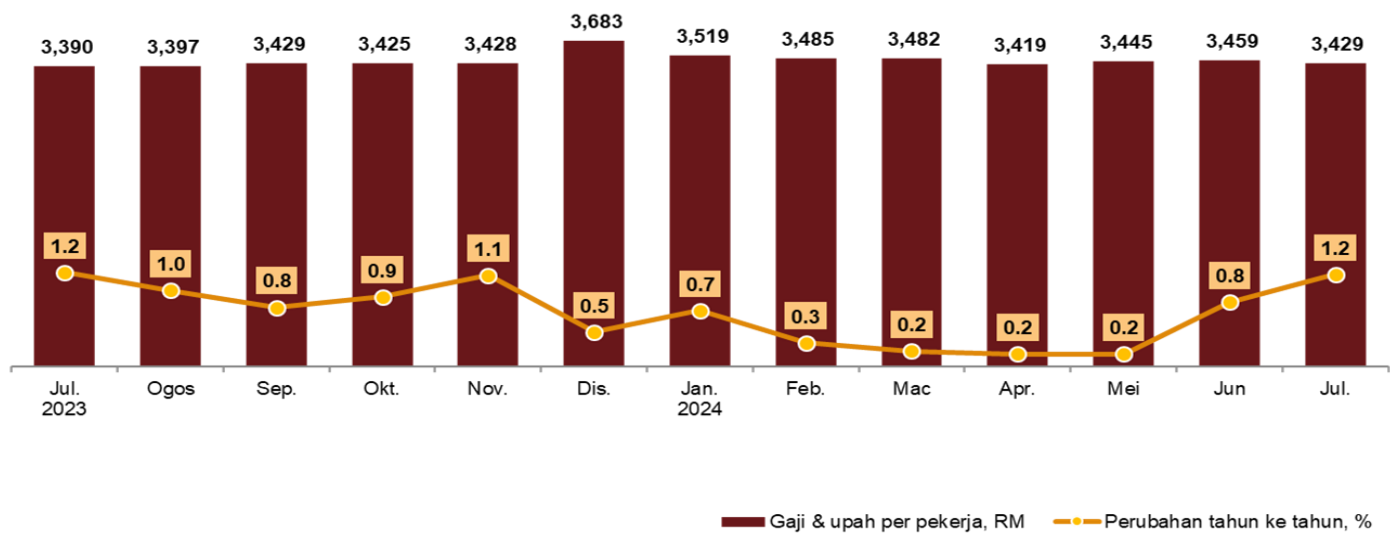
Carta 2: Bilangan Pekerja dan Gaji & Upah Sektor Pembuatan, Julai 2023 - Julai 2024



4.0 PURATA GAJI & UPAH PER PEKERJA

Purata gaji & upah bulanan bagi setiap pekerja adalah RM3,429 pada Julai 2024, meningkat sebanyak 1.2 peratus berbanding setahun yang lalu seperti yang dipaparkan di **Carta 3**. Sementara itu, purata gaji & upah bagi setiap pekerja berkurang sebanyak 0.9 peratus berbanding bulan sebelum (Jun 2024: RM3,459).

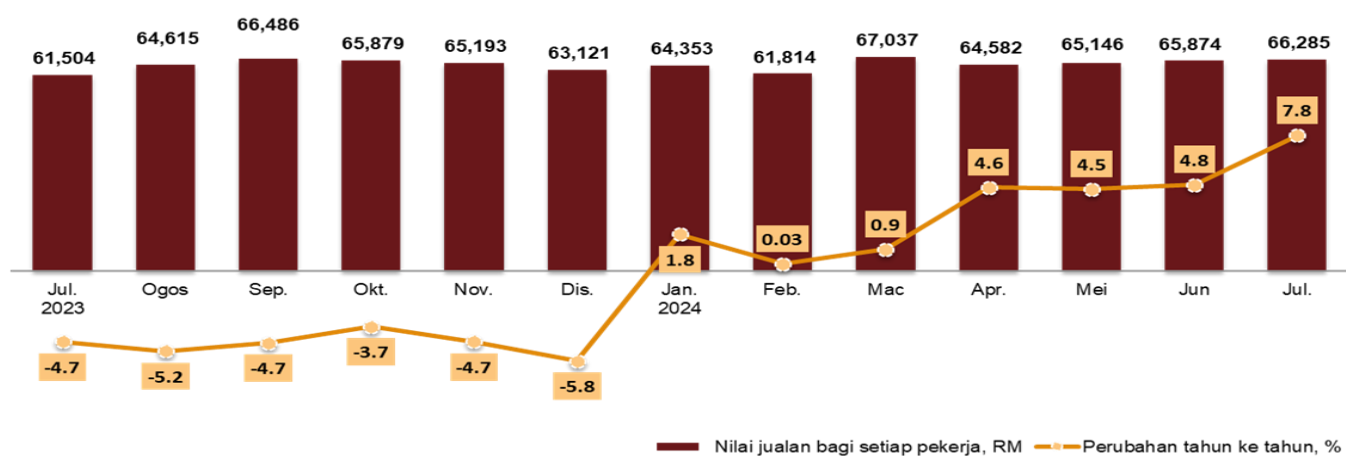
Carta 3: Gaji & Upah Per Pekerja Sektor Pembuatan, Julai 2023 - Julai 2024



5.0 NILAI JUALAN PER PEKERJA

Nilai jualan bagi setiap pekerja pada Julai 2024 meningkat sebanyak 7.8 peratus untuk merekodkan RM66,285 berbanding bulan yang sama tahun sebelumnya (**Carta 4**). Pada masa yang sama, purata nilai jualan bagi setiap pekerja bertambah 0.6 peratus berbanding Jun 2024.

Carta 4: Nilai Jualan Per Pekerja Sektor Pembuatan, Julai 2023 - Julai 2024



6.0 PRESTASI BAGI TEMPOH JANUARI - JULAI 2024

Dalam tempoh tujuh bulan pertama tahun ini (Januari – Julai 2024), nilai jualan kumulatif sektor Pembuatan mencatatkan RM1,078.6 bilion, meningkat 4.5 peratus berbanding tempoh yang sama 2023 (Januari - Julai 2023: RM1,032.6 bilion; 2.5%). Bilangan pekerja meningkat 1.3 peratus kepada sejumlah 2.37 juta orang, manakala gaji & upah tumbuh 1.5 peratus kepada RM57.4 bilion.

Oleh itu, nilai jualan bagi setiap pekerja berjumlah RM455,213, mencatatkan pertumbuhan sebanyak 3.2 peratus. Butiran terperinci seperti ditunjukkan di **Jadual A**.

Jadual A: Nilai Jualan, Bilangan Pekerja, Gaji & Upah dan Nilai Jualan per Pekerja, Januari - Julai 2023 dan 2024

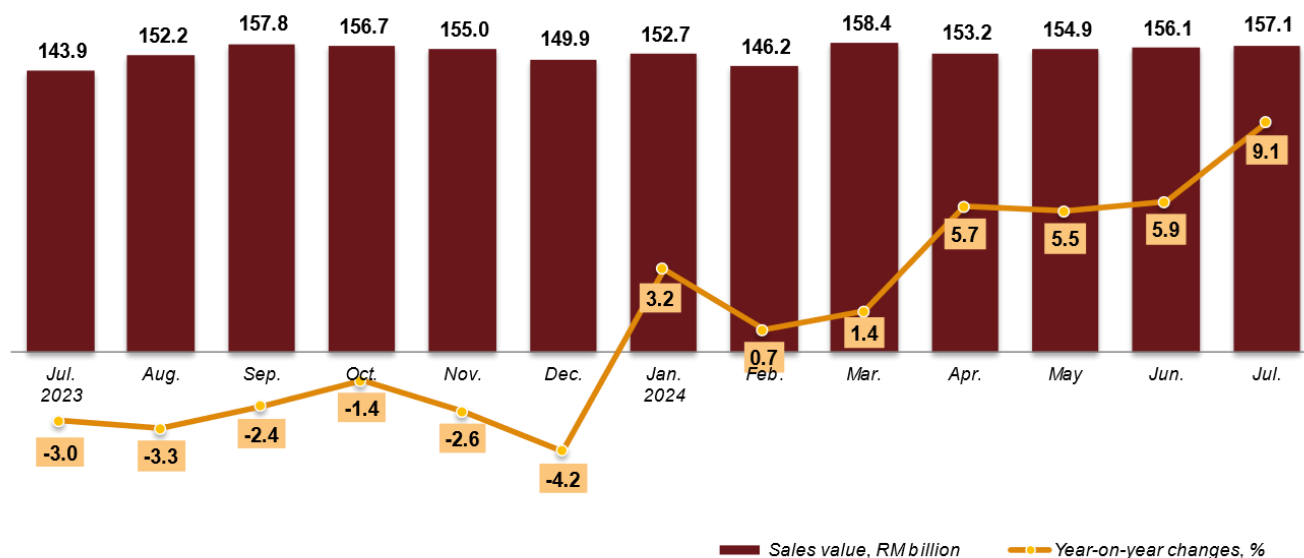
Perangkaan Pembuatan Bulanan	Januari - Julai		% Perubahan
	2023	2024	
Nilai Jualan (RM juta)	1,032,557.8	1,078,605.0	4.5
Bilangan Pekerja	2,340,123	2,369,452	1.3
Gaji & Upah (RM juta)	56,614.2	57,447.2	1.5
Nilai Jualan Per Pekerja (RM)	441,241	455,213	3.2

1.0 SALES VALUE OF THE MANUFACTURING SECTOR

The Manufacturing sector's sales value surged by 9.1 per cent to reach RM157.1 billion in July 2024 (July 2023: -3.0%), marking the highest growth since February 2023 (10.3%). On a month-to-month basis, the sales value grew by 0.6 per cent from RM156.1 billion in June 2024 (0.8%) (**Chart 1**). Similarly, the seasonally adjusted sales value increased by 3.8 per cent as compared to the preceding month.

The increase was driven largely by a double-digit growth of 16.0 per cent (June 2024: 8.6%) in the Food, beverages & tobacco sub-sector; followed by the sub-sector of Electrical & electronics products (8.2 per cent); and the Petroleum chemical, rubber & plastic (6.2 per cent).

Chart 1: Sales Value of the Manufacturing Sector, July 2023 – July 2024



* Notes:

- This report can be accessed through the web portal of the Department of Statistics, Malaysia (<https://www.dosm.gov.my>) under the section: **Latest Releases**.
- Data for July 2024 is **provisional**. The data will be updated based on the latest available figures and subsequently published in the August 2024 publication.

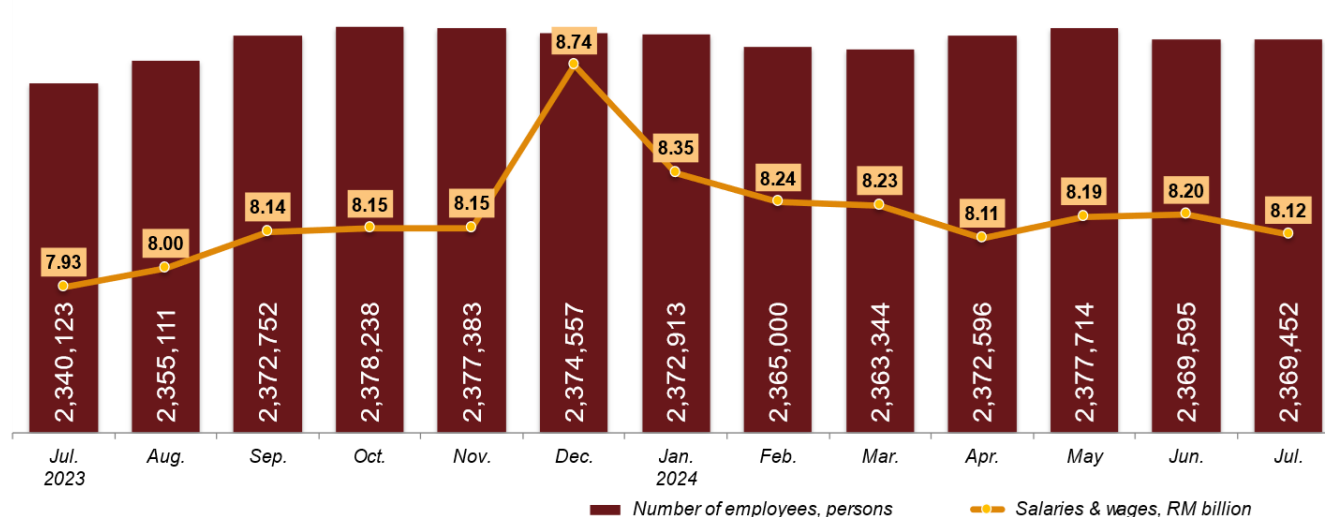
2.0 NUMBER OF EMPLOYEES

There were 2.37 million employees engaged in the Manufacturing sector in July 2024, an increase of 1.3 per cent (June 2024: 1.0%) as compared to a year ago (**Chart 2**). The growth was predominantly attributed to Food, beverages & tobacco (4.0%); Non-metallic mineral products, basic metal & fabricated metal products (2.3%); and Wood, furniture, paper products & printing (1.2%). In comparison with the preceding month, the number of employees in this sector declined slightly by 0.01 per cent (June 2024: -0.3%).

3.0 SALARIES & WAGES

The salaries & wages paid in the Manufacturing sector rose by 2.4 per cent, reaching a total of RM8.12 billion as shown in **Chart 2**. As against to the previous month, the salaries & wages dropped by 0.9 per cent, after marginal growth of 0.1 per cent recorded in June 2024.

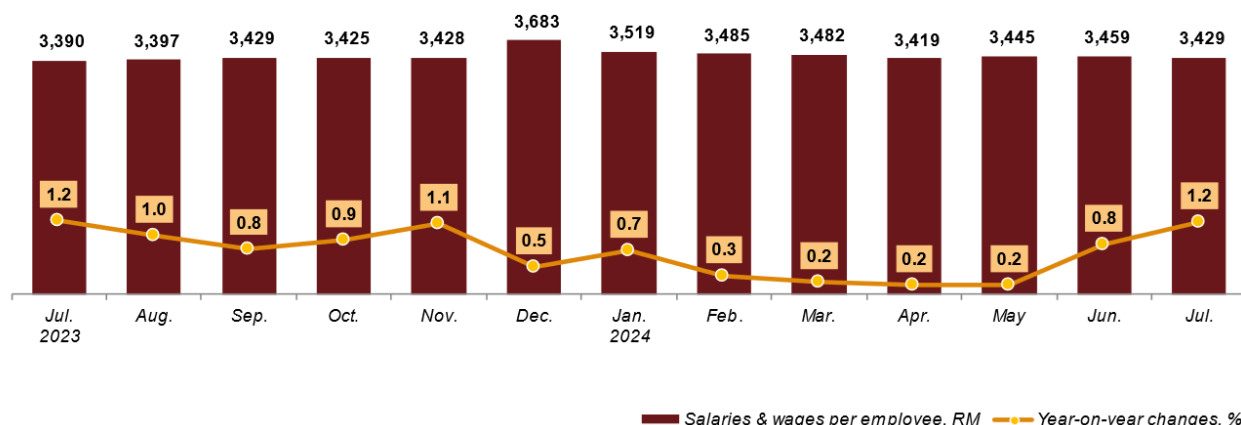
Chart 2: Number of Employees and Salaries & Wages in Manufacturing Sector, July 2023 – July 2024



4.0 AVERAGE SALARIES & WAGES PER EMPLOYEE

The average monthly salaries & wages per employee was RM3,429 in July 2024, went up by 1.2 per cent as compared to a year ago as depicted in **Chart 3**. Meanwhile, average salaries & wages paid per employee decreased by 0.9 per cent as compared to the preceding month (June 2024: RM3,459).

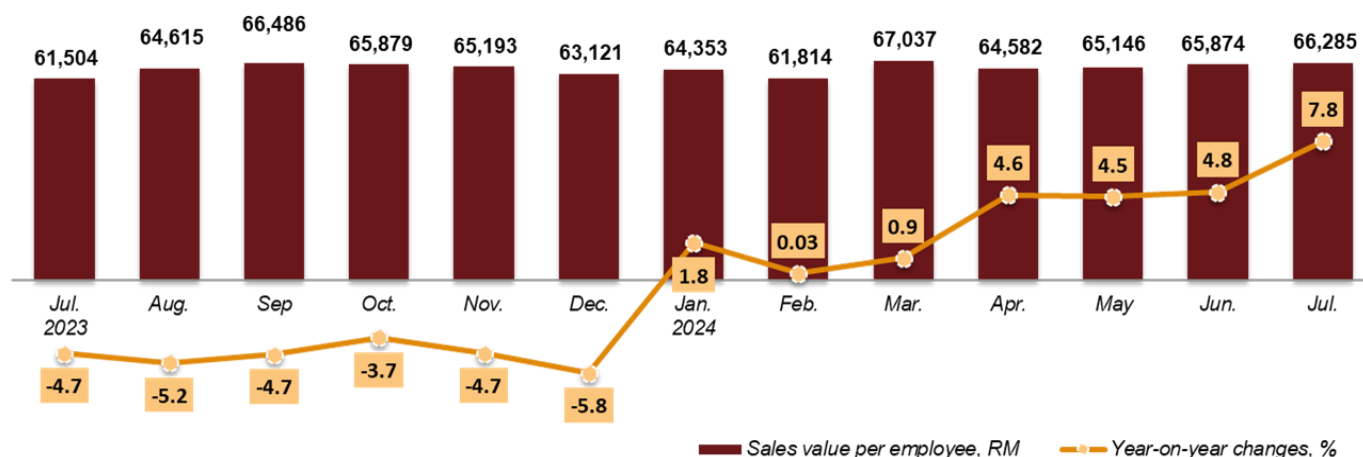
Chart 3: Salaries & Wages per Employee in Manufacturing Sector, July 2023 – July 2024



5.0 SALES VALUE PER EMPLOYEE

The sales value per employee in July 2024 rose by 7.8 per cent to record RM66,285 as compared to the same month of the previous year (**Chart 4**). In the meantime, the average sales value per employee augmented by 0.6 per cent as compared to June 2024.

Chart 4: Sales Value per Employee in Manufacturing Sector, July 2023 – July 2024



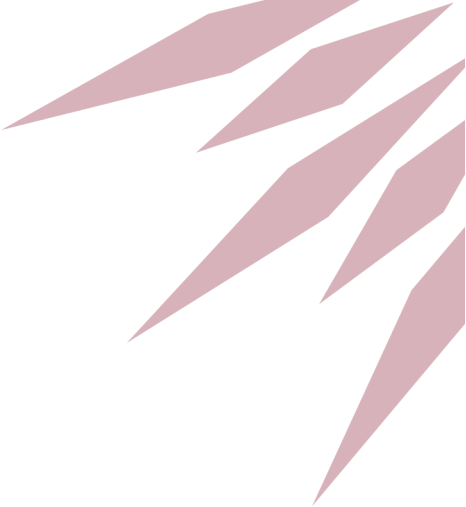
6.0 PERFORMANCE IN THE PERIOD JANUARY - JULY 2024

For the first seven months of this year (January – July 2024), the Manufacturing sector's cumulative sales value reached RM1,078.6 billion, increased by 4.5 per cent as compared to the same period of 2023 (January - July 2023: RM1,032.6 billion; 2.5%). The number of employees went up by 1.3 per cent to a total of 2.37 million persons, while salaries & wages grew by 1.5 per cent to RM57.4 billion.

Subsequently, the sales value per employee stood at RM455,213, posting a growth of 3.2 per cent. The details as per shown in **Table A**.

Table A: Sales Value, Number of Employees, Salaries & Wages and Sales Value per Employee, January - July of 2023 and 2024

Monthly Manufacturing Statistics	January - July		% Change
	2023	2024	
Sales Value (RM million)	1,032,557.8	1,078,605.0	4.5
Number of Employees	2,340,123	2,369,452	1.3
Salaries & Wages (RM million)	56,614.2	57,447.2	1.5
Sales Value per Employee (RM)	441,241	455,213	3.2



JADUAL

Tables



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Jadual **1** : Perangkaan Utama Sektor Pembuatan
Table : Principal Statistics of Manufacturing Sector

Tempoh Period		Nilai Jualan Produk Yang Dibuat Sendiri (Di Kilang) <i>Sales value of own (Ex-factory) (RM Juta/Million)</i>				Bilangan Pekerja Bergaji Pada Akhir Tempoh <i>Number of employees engaged at end of period</i>				Gaji & Upah Yang Dibayar <i>Salaries & wages paid (RM Juta/Million)</i>			
		Data Asal (Original Data)	% YoY	Pelarasan Musim (Seasonally Adjusted)	% MoM	Data Asal (Original Data)	% YoY	Pelarasan Musim (Seasonally Adjusted)	% MoM	Data Asal (Original Data)	% YoY	Pelarasan Musim (Seasonally Adjusted)	% MoM
2022		1,800,930	15.8			2,335,435	3.4			94,528	5.2		
2023		1,804,035	0.2			2,374,557	1.7			97,789	3.5		
2023	Q1	449,424	8.2			2,351,269	2.8			24,517	4.3		
	Q2	439,208	-1.0			2,345,574	2.1			24,165	3.6		
	Q3	453,856	-2.9			2,372,752	2.4			24,068	3.0		
	Q4	461,548	-2.7			2,374,557	1.7			25,039	2.9		
2024	Q1	457,326	1.8			2,363,344	0.5			24,823	1.2		
	Q2	464,219	5.7			2,369,595	1.0			24,500	1.4		
2023	(Jan. - Jul.)	1,032,558	2.5			2,340,123	1.7			56,614	3.8		
2024	(Jan. - Jul.)	1,078,605	4.5			2,369,452	1.3			57,447	1.5		
2023	Jan.	148,010	6.5	144,787	-3.9	2,341,951	3.0	2,317,914	-1.1	8,183	4.0	7,939	-2.4
	Feb.	145,219	10.3	156,489	8.1	2,349,967	3.3	2,334,559	0.7	8,164	4.6	8,056	1.5
	Mac	156,194	8.0	155,778	-0.5	2,351,269	2.8	2,340,713	0.3	8,170	4.2	8,098	0.5
	Apr.	144,981	-2.0	146,680	-5.8	2,349,159	2.5	2,344,025	0.1	8,017	3.9	8,127	0.4
	Mei	146,799	3.3	154,734	5.5	2,355,748	2.6	2,357,728	0.6	8,100	4.0	8,207	1.0
	Jun	147,427	-4.0	151,271	-2.2	2,345,574	2.1	2,358,024	0.0	8,049	3.0	8,169	-0.5
	Jul.	143,926	-3.0	148,761	-1.7	2,340,123	1.7	2,352,829	-0.2	7,932	2.9	8,097	-0.9
	Ogo.	152,175	-3.3	150,632	1.3	2,355,111	2.0	2,367,136	0.6	8,001	3.0	8,147	0.6
	Sep.	157,755	-2.4	152,290	1.1	2,372,752	2.4	2,378,722	0.5	8,135	3.2	8,204	0.7
	Okt.	156,675	-1.4	150,059	-1.5	2,378,238	2.5	2,386,448	0.3	8,146	3.4	8,236	0.4
	Nov.	154,988	-2.6	149,774	-0.2	2,377,383	2.1	2,379,668	-0.3	8,149	3.3	8,269	0.4
	Dis.	149,885	-4.2	143,728	-4.0	2,374,557	1.7	2,374,914	-0.2	8,744	2.1	8,246	-0.3
2024	Jan.	152,704	3.2	149,845	4.3	2,372,913	1.3	2,356,488	-0.8	8,350	2.0	8,155	-1.1
	Feb.	146,191	0.7	155,213	3.6	2,365,000	0.6	2,351,807	-0.2	8,243	1.0	8,137	-0.2
	Mac	158,431	1.4	156,773	1.0	2,363,344	0.5	2,352,452	0.0	8,230	0.7	8,152	0.2
	Apr.	153,227	5.7	158,530	1.1	2,372,596	1.0	2,368,972	0.7	8,112	1.2	8,218	0.8
	Mei	154,897	5.5	162,213	2.3	2,377,714	0.9	2,376,146	0.3	8,191	1.1	8,257	0.5
	Jun	156,094	5.9	158,443	-2.3	2,369,595	1.0	2,380,330	0.2	8,198	1.8	8,296	0.5
	Jul.	157,060	9.1	164,504	3.8	2,369,452	1.3	2,384,811	0.2	8,124	2.4	8,324	0.3

Jadual **1.1a** : Nilai Jualan Sektor Pembuatan Mengikut Subsektor
Table : Sales Value of Manufacturing Sector by Sub-sector

Subsektor Sub-sector	2022	2023	2023	
			Q1	
1. Makanan, minuman dan tembakau Food, beverages and tobacco	320,222	309,508	73,072	
10 Pembuatan produk makanan Manufacture of food products	304,095	292,444	68,673	
11 Pembuatan minuman Manufacture of beverages	12,717	13,055	3,204	
12 Pembuatan produk tembakau Manufacture of tobacco products	3,410	4,010	1,196	
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	23,642	24,153	6,152	
13 Pembuatan tekstil Manufacture of textiles	11,652	11,404	2,897	
14 Pembuatan pakaian Manufacture of wearing apparel	9,352	9,873	2,533	
15 Pembuatan produk kulit dan barangan bfrkaitan Manufacture of leather and related products	2,638	2,876	723	
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	84,965	86,146	23,605	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	25,894	24,608	7,502	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	28,260	29,883	7,561	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	13,709	14,526	3,812	
31 Pembuatan perabot Manufacture of furniture	17,101	17,130	4,729	
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	499,207	469,010	116,905	
19 Pembuatan kok dan produk petroleum bfrtapis Manufacture of coke and refined petroleum products	249,901	224,749	55,680	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	111,585	112,375	29,632	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	10,181	10,708	2,702	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	127,540	121,177	28,891	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	168,044	179,468	47,150	
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	49,285	52,777	14,105	
24 Pembuatan logam asas Manufacture of basic metals	54,209	56,455	15,284	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	64,550	70,235	17,762	
6. Produk elektrik dan elektronik Electrical and electronic products	581,527	598,972	149,095	
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	479,757	496,238	124,697	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	56,049	57,863	13,583	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	45,720	44,872	10,815	
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	123,324	136,778	33,444	
29 Pembuatan kenderaan bfrmotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	89,220	101,255	24,643	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	15,690	16,045	4,077	
32 Pembuatan lain Other manufacturing	12,668	13,315	3,095	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	5,746	6,163	1,629	
Pembuatan Manufacturing	Jumlah Total	1,800,930	1,804,035	449,424

			2024		2023	2024
Q2	Q3	Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)
74,851	78,190	83,395	75,567	80,980	172,302	184,816
70,724	74,099	78,948	70,861	76,479	162,453	174,137
3,131	3,284	3,436	3,399	3,387	7,400	7,950
996	807	1,010	1,307	1,114	2,450	2,728
5,888	5,842	6,271	6,544	6,264	13,985	14,940
2,866	2,770	2,872	3,117	3,164	6,687	7,311
2,374	2,391	2,576	2,656	2,439	5,717	5,981
649	681	823	771	660	1,581	1,649
19,571	19,863	23,108	24,394	20,496	49,133	51,346
4,976	5,353	6,776	7,408	5,141	13,830	14,028
7,377	7,381	7,564	7,711	7,488	17,291	17,713
3,452	3,457	3,804	3,948	3,708	8,408	8,952
3,766	3,671	4,964	5,326	4,159	9,604	10,653
118,176	119,555	114,375	111,249	117,714	274,011	270,325
56,542	58,478	54,050	48,509	52,490	130,819	120,482
26,787	28,168	27,788	29,595	28,309	65,488	67,614
2,629	2,714	2,663	2,848	2,807	6,216	6,616
32,218	30,195	29,873	30,297	34,109	71,488	75,613
42,407	42,162	47,748	51,069	47,067	102,596	112,618
12,626	12,585	13,461	15,168	13,631	30,868	33,381
12,417	12,844	15,910	15,889	13,733	31,084	33,522
17,365	16,733	18,376	20,012	19,703	40,644	45,715
147,221	154,914	147,743	152,307	157,995	344,943	362,939
121,532	128,717	121,292	127,730	132,055	286,624	303,842
14,155	15,645	14,480	13,559	14,035	32,648	32,664
11,534	10,552	11,971	11,018	11,905	25,671	26,433
31,093	33,331	38,910	36,196	33,703	75,587	81,621
22,206	24,909	29,498	27,089	24,408	55,273	60,441
3,946	3,633	4,390	4,152	4,054	9,194	9,415
3,555	3,356	3,309	3,248	3,755	7,697	8,147
1,386	1,433	1,714	1,706	1,485	3,422	3,618
439,208	453,856	461,548	457,326	464,219	1,032,558	1,078,605

Jadual **1.1a** : Nilai Jualan Sektor Pembuatan Mengikut Subsektor (samb.)
Table **1.1a** : Sales Value of Manufacturing Sector by Sub-sector (cont.)

Subsektor Sub-sector	2023						
	Jan.	Feb.	Mac	Apr.	Mei	Jun	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	24,911	24,273	23,888	24,399	25,494	24,959	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	23,470	22,881	22,322	22,922	24,070	23,733	
11 Pembuatan minuman <i>Manufacture of beverages</i>	1,047	1,043	1,114	1,118	1,049	964	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	394	349	452	359	376	262	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	2,068	2,018	2,066	1,966	1,997	1,926	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	984	938	975	945	969	952	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	840	847	846	798	806	770	
15 Pembuatan produk kulit dan barangan bfrkaitan <i>Manufacture of leather and related products</i>	245	233	245	223	221	204	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	7,747	7,716	8,142	7,112	6,592	5,867	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	2,480	2,415	2,607	2,027	1,611	1,338	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	2,418	2,505	2,639	2,584	2,437	2,356	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	1,262	1,284	1,266	1,189	1,132	1,131	
31 Pembuatan perabot <i>Manufacture of furniture</i>	1,587	1,512	1,630	1,312	1,411	1,042	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	41,517	35,956	39,432	38,663	40,314	39,198	
19 Pembuatan kok dan produk petroleum bfrtapis <i>Manufacture of coke and refined petroleum products</i>	21,738	16,662	17,279	18,063	19,413	19,065	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	9,802	9,627	10,203	8,726	9,101	8,960	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	875	885	942	898	821	910	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	9,101	8,782	11,008	10,976	10,979	10,263	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	15,584	15,563	16,003	15,047	13,943	13,417	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	4,587	4,675	4,843	4,381	4,131	4,114	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	4,942	5,048	5,293	4,737	4,081	3,599	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	6,055	5,840	5,867	5,930	5,731	5,704	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	45,026	49,203	54,866	47,937	47,443	51,840	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	36,749	41,275	46,672	39,465	38,922	43,145	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	4,583	4,401	4,598	4,595	4,653	4,907	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	3,693	3,527	3,595	3,877	3,868	3,789	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	11,158	10,489	11,797	9,856	11,016	10,220	
29 Pembuatan kenderaan bfrmotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	8,243	7,701	8,699	6,654	8,107	7,444	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	1,324	1,264	1,489	1,461	1,243	1,242	
32 Pembuatan lain <i>Other manufacturing</i>	1,061	1,012	1,021	1,164	1,264	1,128	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	530	511	589	578	402	406	
Pembuatan Manufacturing	Jumlah Total	148,010	145,219	156,194	144,981	146,799	147,427

(RM Juta/Million)												
2024												
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
24,379	25,890	27,921	28,425	27,792	27,178	27,744	23,712	24,111	26,408	27,470	27,102	28,269
23,056	24,481	26,563	26,844	26,336	25,768	26,219	22,214	22,427	24,813	25,946	25,720	26,797
1,065	1,124	1,095	1,231	1,117	1,089	1,115	1,091	1,193	1,196	1,113	1,077	1,164
258	286	263	350	338	322	410	407	490	399	411	305	308
1,944	1,951	1,947	2,037	2,149	2,085	2,234	2,102	2,209	2,094	2,142	2,027	2,132
925	941	905	937	968	966	1,071	1,018	1,029	1,026	1,088	1,050	1,030
810	781	799	832	893	851	899	835	922	840	832	767	886
209	229	243	268	288	268	264	250	258	227	223	210	217
5,958	6,734	7,171	7,554	7,831	7,722	8,176	7,796	8,421	7,512	6,822	6,162	6,456
1,352	1,924	2,077	2,311	2,261	2,204	2,482	2,290	2,636	2,097	1,638	1,406	1,478
2,354	2,495	2,533	2,531	2,534	2,499	2,579	2,537	2,595	2,612	2,456	2,420	2,513
1,143	1,148	1,165	1,151	1,341	1,312	1,321	1,316	1,310	1,279	1,199	1,229	1,296
1,109	1,166	1,396	1,561	1,696	1,707	1,794	1,652	1,880	1,523	1,528	1,107	1,168
38,930	40,885	39,739	40,065	38,765	35,545	38,231	34,736	38,283	39,467	37,848	40,399	41,362
18,598	20,301	19,579	19,927	18,597	15,525	17,176	15,204	16,129	17,118	16,001	19,370	19,483
9,069	9,840	9,258	9,079	9,298	9,412	10,322	9,379	9,894	9,594	9,450	9,265	9,711
885	905	925	933	871	859	904	942	1,001	965	846	996	962
10,378	9,840	9,977	10,126	9,998	9,749	9,828	9,211	11,259	11,790	11,551	10,769	11,206
13,038	14,005	15,119	15,176	15,999	16,572	17,081	16,443	17,545	16,967	15,189	14,912	14,482
4,137	4,233	4,214	4,113	4,614	4,734	5,140	4,869	5,158	4,804	4,434	4,393	4,582
3,384	4,179	5,281	5,273	5,373	5,264	5,140	5,203	5,546	5,225	4,465	4,042	3,899
5,518	5,592	5,623	5,790	6,013	6,574	6,801	6,371	6,840	6,938	6,289	6,476	6,000
48,627	51,810	54,477	51,155	48,728	47,860	46,315	49,820	56,172	49,253	53,228	55,514	52,637
40,395	42,924	45,398	42,391	39,807	39,094	37,731	41,913	48,086	40,611	44,502	46,942	44,057
4,910	5,319	5,416	5,003	4,817	4,661	4,772	4,323	4,464	4,586	4,766	4,683	5,070
3,322	3,567	3,663	3,762	4,104	4,105	3,813	3,584	3,621	4,056	3,960	3,889	3,509
11,050	10,901	11,380	12,263	13,724	12,923	12,922	11,582	11,692	11,526	12,199	9,978	11,723
8,425	8,168	8,316	9,155	10,488	9,855	9,877	8,718	8,494	8,193	9,157	7,058	8,944
1,172	1,183	1,278	1,458	1,518	1,414	1,374	1,288	1,491	1,486	1,302	1,267	1,209
1,047	1,101	1,208	1,092	1,119	1,097	1,123	1,049	1,075	1,237	1,309	1,209	1,144
407	449	578	557	599	557	548	527	632	610	432	444	426
143,926	152,175	157,755	156,675	154,988	149,885	152,704	146,191	158,431	153,227	154,897	156,094	157,060

Jadual **1.1b** : Nilai Jualan Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Tahunan
Table : Sales Value of Manufacturing Sector by Sub-sector: Annual Percentage Change

Subsektor Sub-sector	2022	2023	2023				2024		2023	2024	
			Q1	Q2	Q3	Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	12.8	-3.3	6.1	-12.7	-5.3	0.4	3.4	8.2	-4.8	7.3	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	12.5	-3.8	6.3	-13.7	-5.8	0.1	3.2	8.1	-5.4	7.2	
11 Pembuatan minuman <i>Manufacture of beverages</i>	19.6	2.7	0.2	3.2	1.4	5.8	6.1	8.2	1.7	7.4	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	16.0	17.6	17.4	27.0	18.6	9.0	9.3	11.8	21.4	11.4	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	7.7	2.2	0.9	3.7	2.5	1.6	6.4	6.4	2.3	6.8	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	8.6	-2.1	-2.1	-1.2	-2.7	-2.6	7.6	10.4	-2.1	9.3	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	3.5	5.6	3.1	7.4	7.5	4.6	4.9	2.8	5.9	4.6	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	20.5	9.0	6.4	14.2	8.2	8.3	6.7	1.8	10.0	4.3	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	11.1	1.4	1.8	1.7	-0.5	2.3	3.3	4.7	1.5	4.5	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	12.4	-5.0	-3.9	-2.3	-7.2	-6.2	-1.3	3.3	-3.7	1.43	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	9.6	5.7	11.0	4.8	1.9	5.6	2.0	1.5	6.9	2.4	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	13.3	6.0	7.5	5.5	7.5	3.6	3.6	7.4	6.5	6.5	
31 Pembuatan perabot <i>Manufacture of furniture</i>	9.8	0.2	-5.7	-1.9	-1.4	9.8	12.6	10.5	-3.8	10.9	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	15.5	-6.0	8.0	-4.8	-13.3	-11.2	-4.8	-0.4	-1.6	-1.3	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	42.3	-10.1	21.9	-6.2	-22.7	-20.9	-12.9	-7.2	-0.1	-7.9	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	9.0	0.7	2.1	0.7	0.7	-0.6	-0.1	5.7	1.1	3.2	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	10.8	5.2	12.0	5.1	0.7	3.5	5.4	6.8	7.2	6.4	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	-12.1	-5.0	-7.3	-7.4	-4.5	-0.3	4.9	5.9	-7.0	5.8	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	12.5	6.8	6.1	6.2	7.2	7.7	8.3	11.0	6.1	9.8	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	15.2	7.1	6.9	6.8	7.6	7.0	7.5	8.0	6.7	8.1	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	9.4	4.1	5.0	3.6	2.8	4.9	4.0	10.6	4.0	7.8	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	13.2	8.8	6.3	7.8	10.6	10.7	12.7	13.5	7.4	12.5	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	20.3	3.0	10.2	5.5	1.6	-4.2	2.2	7.3	7.3	5.2	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	22.4	3.4	11.1	6.3	2.2	-4.7	2.4	8.7	8.3	6.0	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	15.6	3.2	5.9	5.2	4.3	-1.9	-0.2	-0.9	5.4	0.05	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	6.9	-1.9	4.9	-2.3	-8.1	-1.3	1.9	3.2	-0.4	3.0	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	14.5	10.9	14.8	6.8	12.4	9.8	8.2	8.4	11.7	8.0	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	15.3	13.5	18.6	7.2	15.7	12.6	9.9	9.9	14.2	9.3	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	11.3	2.3	6.4	5.4	-0.5	-1.7	1.9	2.7	5.1	2.4	
32 Pembuatan lain <i>Other manufacturing</i>	16.3	5.1	3.4	4.4	5.7	6.9	5.0	5.6	4.2	5.8	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	7.9	7.3	7.4	11.5	10.6	1.4	4.7	7.1	9.4	5.7	
Pembuatan Manufacturing	Jumlah Total	15.8	0.2	8.2	-1.0	-2.9	-2.7	1.8	5.7	2.5	4.5

(%)

2023												2024						
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
4.5	8.6	5.5	-12.7	-10.9	-14.6	-7.8	-6.6	-1.7	2.0	2.0	-2.6	11.4	-2.3	0.9	8.2	7.7	8.6	16.0
4.4	9.1	5.4	-13.4	-12.2	-15.5	-8.4	-7.2	-2.0	1.6	1.9	-3.1	11.7	-2.9	0.5	8.3	7.8	8.4	16.2
0.5	-0.3	0.3	-3.0	12.1	1.9	2.1	0.9	1.5	8.0	3.8	5.5	6.5	4.6	7.2	7.0	6.2	11.8	9.4
20.6	5.7	25.3	9.1	57.6	20.4	19.5	17.6	18.7	16.5	4.7	6.3	3.9	16.7	8.3	11.2	9.2	16.3	19.2
0.1	1.4	1.4	1.1	7.9	2.2	2.6	2.2	2.8	3.7	3.2	-1.7	8.0	4.2	6.9	6.5	7.3	5.3	9.7
-2.8	-2.2	-1.3	-1.9	4.4	-5.6	-5.1	-1.0	-1.7	-1.0	-1.5	-5.1	8.9	8.5	5.5	8.6	12.3	10.3	11.3
1.7	4.7	2.9	1.4	9.6	11.8	10.7	5.0	6.9	8.0	7.1	-0.8	7.1	-1.4	9.0	5.3	3.2	-0.3	9.3
6.5	4.8	7.8	14.1	19.1	9.4	10.7	6.7	7.4	8.3	8.0	8.5	7.9	6.9	5.3	1.8	0.6	3.2	3.8
-2.2	6.3	1.8	-1.3	7.9	-1.1	-0.6	-0.1	-0.7	3.2	2.6	1.2	5.5	1.0	3.4	5.6	3.5	5.0	8.4
-7.4	1.2	-4.9	-5.1	7.5	-8.2	-7.8	-6.9	-7.2	-2.2	-6.4	-9.9	0.1	-5.1	1.1	3.5	1.7	5.0	9.3
7.0	16.9	9.5	4.3	8.3	1.9	1.0	1.6	3.0	3.7	7.8	5.4	6.7	1.3	-1.7	1.1	0.8	2.7	6.8
3.2	10.2	9.3	2.6	7.6	6.5	6.7	8.9	6.9	7.6	1.4	2.5	4.7	2.5	3.5	7.6	5.9	8.7	13.4
-9.9	-3.3	-3.6	-8.4	8.1	-5.4	-1.3	0.3	-2.8	8.1	9.6	11.5	13.0	9.2	15.3	16.1	8.3	6.3	5.4
10.1	9.2	4.8	-3.1	2.0	-12.4	-15.3	-12.3	-12.3	-9.5	-10.8	-13.6	-7.9	-3.4	-2.9	2.1	-6.1	3.1	6.2
26.0	25.0	14.5	0.6	2.7	-18.6	-25.6	-20.9	-21.6	-18.4	-20.0	-24.8	-21.0	-8.8	-6.7	-5.2	-17.6	1.6	4.8
1.7	2.0	2.6	-0.9	4.8	-1.8	-0.7	1.4	1.2	3.6	-0.5	-4.5	5.3	-2.6	-3.0	9.9	3.8	3.4	7.1
6.9	15.8	13.6	7.7	9.1	-0.5	-0.3	1.3	1.1	6.1	1.3	3.0	3.3	6.5	6.3	7.4	3.0	9.4	8.7
-9.1	-6.5	-6.3	-10.9	-1.9	-8.9	-5.3	-5.1	-3.1	-0.7	0.2	-0.5	8.0	4.9	2.3	7.4	5.2	4.9	8.0
1.7	8.8	8.0	4.1	8.7	6.2	6.1	6.3	9.0	7.0	8.6	7.4	9.6	5.7	9.6	12.8	8.9	11.1	11.1
3.7	9.7	7.6	4.6	9.0	7.1	5.9	7.1	9.9	7.4	7.7	6.1	12.1	4.2	6.5	9.7	7.3	6.8	10.8
-1.3	7.5	9.0	1.9	5.7	3.5	1.1	0.6	5.8	4.3	6.6	3.7	4.0	3.1	4.8	10.3	9.4	12.3	15.2
2.6	9.1	7.5	5.5	10.6	7.4	9.7	10.4	11.5	9.2	11.3	11.5	12.3	9.1	16.6	17.0	9.7	13.5	8.7
6.4	12.4	11.4	4.0	8.4	4.3	4.7	0.6	-0.04	-2.7	-5.3	-4.6	2.9	1.3	2.4	2.7	12.2	7.1	8.2
7.1	13.3	12.6	5.2	8.5	5.5	6.1	1.1	-0.1	-2.8	-6.6	-4.8	2.7	1.5	3.0	2.9	14.3	8.8	9.1
4.6	9.5	3.9	1.0	10.6	4.3	4.6	4.1	4.4	-1.1	-0.3	-4.4	4.1	-1.8	-2.9	-0.2	2.4	-4.6	3.3
2.5	5.7	6.6	-4.2	5.5	-7.4	-8.9	-9.7	-5.7	-3.4	2.5	-2.9	3.3	1.6	0.7	4.6	2.4	2.7	5.6
14.0	15.4	15.1	-4.9	17.8	8.9	17.2	11.9	8.6	14.6	9.0	6.4	15.8	10.4	-0.9	16.9	10.7	-2.4	6.1
18.9	18.1	18.6	-8.3	20.7	10.5	22.0	15.0	10.4	19.7	11.3	8.0	19.8	13.2	-2.4	23.1	12.9	-5.2	6.2
1.8	8.3	9.0	2.5	10.8	3.9	-0.2	-0.5	-0.7	-4.0	0.3	-1.2	3.8	1.9	0.1	1.7	4.7	2.0	3.1
1.4	5.4	3.5	0.9	9.2	3.0	6.0	5.0	6.2	9.5	5.2	6.2	5.9	3.6	5.3	6.3	3.6	7.2	9.2
3.7	15.4	4.5	9.8	12.4	12.9	10.8	11.0	10.2	3.0	0.8	0.5	3.4	3.0	7.4	5.6	7.3	9.2	4.8
6.5	10.3	8.0	-2.0	3.3	-4.0	-3.0	-3.3	-2.4	-1.4	-2.6	-4.2	3.2	0.7	1.4	5.7	5.5	5.9	9.1

Jadual **1.1c** : Nilai Jualan Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Bulanan/Suku Tahunan
Table **1.1c** : Sales Value of Manufacturing Sector by Sub-sector: Monthly/Quarterly Percentage Change

Subsektor Sub-sector	2023				2024		2023		
	Q1	Q2	Q3	Q4	Q1	Q2	Jan.	Feb.	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	-12.0	2.4	4.5	6.7	-9.4	7.2	-10.8	-2.6	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	-12.9	3.0	4.8	6.5	-10.2	7.9	-11.7	-2.5	
11 Pembuatan minuman <i>Manufacture of beverages</i>	-1.4	-2.3	4.9	4.7	-1.1	-0.4	1.5	-0.4	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	29.1	-16.7	-19.0	25.1	29.4	-14.7	30.3	-11.5	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	-0.3	-4.3	-0.8	7.3	4.4	-4.3	-2.5	-2.4	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	-1.7	-1.1	-3.3	3.7	8.6	1.5	-3.3	-4.7	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	2.9	-6.3	0.7	7.8	3.1	-8.1	-2.1	0.9	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	-4.9	-10.3	5.0	20.8	-6.3	-14.4	-0.8	-4.6	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	4.5	-17.1	1.5	16.3	5.6	-16.0	1.5	-0.4	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	3.8	-33.7	7.6	26.6	9.3	-30.6	1.4	-2.6	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	5.6	-2.4	0.1	2.5	1.9	-2.9	1.9	3.6	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	3.8	-9.4	0.1	10.0	3.8	-6.1	-1.4	1.7	
31 Pembuatan perabot <i>Manufacture of furniture</i>	4.6	-20.4	-2.5	35.2	7.3	-21.9	3.6	-4.7	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	-9.3	1.1	1.2	-4.3	-2.7	5.8	1.0	-13.4	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	-18.5	1.5	3.4	-7.6	-10.3	8.2	5.3	-23.4	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	6.0	-9.6	5.2	-1.3	6.5	-4.3	-0.6	-1.8	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	5.0	-2.7	3.2	-1.9	6.9	-1.5	5.0	1.1	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	-3.6	11.5	-6.3	-1.1	1.4	12.6	-7.1	-3.5	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	6.3	-10.1	-0.6	13.2	7.0	-7.8	1.0	-0.1	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	12.2	-10.5	-0.3	7.0	12.7	-10.1	2.8	1.9	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	0.8	-18.8	3.4	23.9	-0.1	-13.6	-2.6	2.1	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	7.0	-2.2	-3.6	9.8	8.9	-1.5	2.7	-3.5	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	-3.3	-1.3	5.2	-4.6	3.1	3.7	-10.2	9.3	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	-2.0	-2.5	5.9	-5.8	5.3	3.4	-10.5	12.3	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	-8.0	4.2	10.5	-7.4	-6.4	3.5	-6.0	-4.0	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	-10.8	6.6	-8.5	13.4	-8.0	8.1	-12.6	-4.5	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	-5.6	-7.0	7.2	16.7	-7.0	-6.9	-8.1	-6.0	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	-5.9	-9.9	12.2	18.4	-8.2	-9.9	-9.6	-6.6	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	-8.7	-3.2	-7.9	20.8	-5.4	-2.4	-7.6	-4.5	
32 Pembuatan lain <i>Other manufacturing</i>	-0.01	14.9	-5.6	-1.4	-1.8	15.6	2.7	-4.6	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	-3.6	-14.9	3.4	19.6	-0.4	-13.0	-4.5	-3.4	
Pembuatan Manufacturing	Jumlah Total	-5.3	-2.3	3.3	1.7	-0.9	1.5	-5.4	-1.9

(%)																
2024																
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
-1.6	2.1	4.5	-2.1	-2.3	6.2	7.8	1.8	-2.2	-2.2	2.1	-14.5	1.7	9.5	4.0	-1.3	4.3
-2.4	2.7	5.0	-1.4	-2.9	6.2	8.5	1.1	-1.9	-2.2	1.8	-15.3	1.0	10.6	4.6	-0.9	4.2
6.8	0.4	-6.3	-8.0	10.4	5.5	-2.5	12.4	-9.3	-2.5	2.4	-2.2	9.4	0.2	-6.9	-3.2	8.1
29.7	-20.7	4.9	-30.3	-1.5	11.0	-8.2	33.2	-3.4	-4.9	27.3	-0.6	20.3	-18.6	3.0	-25.8	1.0
2.4	-4.8	1.5	-3.6	1.0	0.3	-0.2	4.6	5.5	-3.0	7.2	-5.9	5.1	-5.2	2.3	-5.4	5.2
4.0	-3.1	2.5	-1.8	-2.9	1.7	-3.8	3.6	3.3	-0.3	10.9	-4.9	1.1	-0.2	6.0	-3.5	-1.9
-0.2	-5.7	1.1	-4.5	5.3	-3.6	2.4	4.0	7.4	-4.7	5.6	-7.2	10.4	-8.8	-1.0	-7.8	15.4
5.0	-8.8	-0.9	-7.9	2.5	9.6	6.2	10.1	7.4	-7.0	-1.3	-5.5	3.4	-11.8	-2.1	-5.4	3.0
5.5	-12.6	-7.3	-11.0	1.5	13.0	6.5	5.3	3.7	-1.4	5.9	-4.7	8.0	-10.8	-9.2	-9.7	4.8
8.0	-22.3	-20.5	-17.0	1.0	42.3	7.9	11.2	-2.1	-2.5	12.6	-7.7	15.1	-20.4	-21.9	-14.2	5.1
5.3	-2.1	-5.7	-3.3	-0.1	6.0	1.5	-0.1	0.1	-1.4	3.2	-1.6	2.3	0.7	-6.0	-1.5	3.9
-1.4	-6.1	-4.8	-0.1	1.1	0.4	1.5	-1.2	16.5	-2.2	0.8	-0.4	-0.5	-2.4	-6.3	2.4	5.5
7.8	-19.5	7.5	-26.1	6.4	5.2	19.7	11.9	8.6	0.7	5.1	-7.9	13.8	-19.0	0.3	-27.5	5.5
9.7	-1.9	4.3	-2.8	-0.7	5.0	-2.8	0.8	-3.2	-8.3	7.6	-9.1	10.2	3.1	-4.1	6.7	2.4
3.7	4.5	7.5	-1.8	-2.5	9.2	-3.6	1.8	-6.7	-16.5	10.6	-11.5	6.1	6.1	-6.5	21.1	0.6
6.0	-14.5	4.3	-1.6	1.2	8.5	-5.9	-1.9	2.4	1.2	9.7	-9.1	5.5	-3.0	-1.5	-2.0	4.8
6.4	-4.6	-8.6	10.9	-2.8	2.2	2.2	0.8	-6.6	-1.4	5.3	4.2	6.3	-3.6	-12.4	17.7	-3.4
25.4	-0.3	0.02	-6.5	1.1	-5.2	1.4	1.5	-1.3	-2.5	0.8	-6.3	22.2	4.7	-2.0	-6.8	4.1
2.8	-6.0	-7.3	-3.8	-2.8	7.4	8.0	0.4	5.4	3.6	3.1	-3.7	6.7	-3.3	-10.5	-1.8	-2.9
3.6	-9.5	-5.7	-0.4	0.6	2.3	-0.5	-2.4	12.2	2.6	8.6	-5.3	5.9	-6.9	-7.7	-0.9	4.3
4.9	-10.5	-13.8	-11.8	-6.0	23.5	26.4	-0.2	1.9	-2.0	-2.4	1.2	6.6	-5.8	-14.5	-9.5	-3.5
0.5	1.1	-3.4	-0.5	-3.3	1.3	0.6	3.0	3.8	9.3	3.5	-6.3	7.4	1.4	-9.4	3.0	-7.4
11.5	-12.6	-1.0	9.3	-6.2	6.5	5.1	-6.1	-4.7	-1.8	-3.2	7.6	12.7	-12.3	8.1	4.3	-5.2
13.1	-15.4	-1.4	10.8	-6.4	6.3	5.8	-6.6	-6.1	-1.8	-3.5	11.1	14.7	-15.5	9.6	5.5	-6.1
4.5	-0.1	1.3	5.5	0.1	8.3	1.8	-7.6	-3.7	-3.2	2.4	-9.4	3.3	2.7	3.9	-1.7	8.3
1.9	7.8	-0.2	-2.0	-12.3	7.4	2.7	2.7	9.1	0.04	-7.1	-6.0	1.0	12.0	-2.4	-1.8	-9.8
12.5	-16.5	11.8	-7.2	8.1	-1.4	4.4	7.8	11.9	-5.8	-0.01	-10.4	1.0	-1.4	5.8	-18.2	17.5
13.0	-23.5	21.8	-8.2	13.2	-3.0	1.8	10.1	14.6	-6.0	0.2	-11.7	-2.6	-3.5	11.8	-22.9	26.7
17.8	-1.9	-14.9	-0.1	-5.6	0.9	8.0	14.1	4.1	-6.8	-2.9	-6.2	15.7	-0.3	-12.4	-2.7	-4.5
0.9	14.0	8.6	-10.7	-7.2	5.2	9.6	-9.5	2.5	-2.0	2.4	-6.6	2.5	15.1	5.8	-7.6	-5.4
15.1	-1.9	-30.4	1.0	0.03	10.4	28.8	-3.6	7.6	-7.0	-1.7	-3.8	20.0	-3.5	-29.2	2.8	-4.0
7.6	-7.2	1.3	0.4	-2.4	5.7	3.7	-0.7	-1.1	-3.3	1.9	-4.3	8.4	-3.3	1.1	0.8	0.6

Jadual **1.2a** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor
Table **1.2a** : Number of Paid Employees of Manufacturing Sector by Sub-sector

Subsektor Sub-sector		2022	2023	2023 Q1
1. Makanan, minuman dan tembakau		312,503	331,015	318,572
<i>Food, beverages and tobacco</i>				
10	Pembuatan produk makanan <i>Manufacture of food products</i>	294,898	312,950	300,354
11	Pembuatan minuman <i>Manufacture of beverages</i>	16,373	16,805	16,770
12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	1,232	1,259	1,448
2. Tekstil, pakaian, kulit dan kasut		84,022	85,961	85,096
<i>Textiles, wearing apparel, leather and footwear</i>				
13	Pembuatan tekstil <i>Manufacture of textiles</i>	27,871	28,303	28,115
14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	43,591	44,781	43,969
15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	12,559	12,878	13,011
3. Produk kayu, perabot, keluaran kertas dan percetakan		300,117	306,775	301,925
<i>Wood products, furniture, paper products and printing</i>				
16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	94,044	94,250	92,962
17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	58,658	59,265	59,308
18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	70,120	71,281	70,319
31	Pembuatan perabot <i>Manufacture of furniture</i>	77,294	81,979	79,337
4. Petroleum, kimia, getah dan plastik		431,348	431,568	434,110
<i>Petroleum, chemical, rubber and plastic</i>				
19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	17,817	18,473	18,486
20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	104,895	103,545	107,580
21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	27,325	27,967	26,901
22	Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	281,311	281,583	281,143
5. Produk mineral bukan logam, logam asas dan produk logam yang direka		378,084	386,812	379,977
<i>Non-metallic mineral products, basic metal and fabricated metal products</i>				
23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	107,304	109,233	105,623
24	Pembuatan logam asas <i>Manufacture of basic metals</i>	111,538	112,157	112,586
25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	159,242	165,423	161,768
6. Produk elektrik dan elektronik		615,997	615,687	615,782
<i>Electrical and electronic products</i>				
26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	416,128	419,283	414,042
27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	103,580	102,410	104,635
28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	96,289	93,994	97,105
7. Kelengkapan pengangkutan dan pembuatan lain		213,364	216,739	215,807
<i>Transport equipment and other manufactures</i>				
29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	86,835	87,614	87,037
30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	43,427	44,306	44,253
32	Pembuatan lain <i>Other manufacturing</i>	40,788	40,976	40,934
33	Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	42,314	43,843	43,583
Pembuatan	Jumlah	2,335,435	2,374,557	2,351,269
<i>Manufacturing</i>	<i>Total</i>			

2024			2023		2024	
Q2	Q3	Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)
319,899	330,045	331,015	332,701	332,754	321,987	335,027
301,781	312,172	312,950	314,241	314,166	303,808	316,507
16,865	16,602	16,805	17,129	17,336	16,952	17,274
1,254	1,271	1,259	1,331	1,251	1,227	1,245
85,266	84,763	85,961	86,686	86,589	84,366	86,065
28,376	28,596	28,303	28,324	28,640	28,140	28,547
44,071	43,253	44,781	45,474	45,090	43,521	44,693
12,818	12,914	12,878	12,889	12,859	12,704	12,825
299,830	302,192	306,775	303,654	303,328	298,729	302,367
92,665	93,276	94,250	92,030	93,920	92,456	93,974
57,626	58,587	59,265	59,848	58,041	57,112	57,797
68,955	68,928	71,281	68,381	68,032	68,890	68,063
80,585	81,400	81,979	83,395	83,335	80,271	82,533
426,332	431,355	431,568	430,792	428,010	429,348	431,584
18,149	18,199	18,473	18,821	18,324	18,202	18,405
104,293	102,458	103,545	105,483	104,631	102,983	103,731
27,916	29,297	27,967	27,334	28,060	28,446	28,554
275,974	281,401	281,583	279,154	276,996	279,717	280,894
376,792	384,546	386,812	386,423	385,434	377,958	386,640
107,408	109,570	109,233	105,786	107,467	107,795	108,192
111,152	111,898	112,157	113,159	112,183	111,101	112,176
158,233	163,078	165,423	167,479	165,784	159,061	166,273
622,533	623,413	615,687	607,755	616,932	610,281	608,374
421,479	423,425	419,283	409,864	418,676	411,396	408,852
102,547	104,452	102,410	102,916	102,041	102,879	103,128
98,507	95,536	93,994	94,976	96,215	96,005	96,394
214,921	216,437	216,739	215,332	216,548	217,455	219,396
87,085	87,567	87,614	84,973	87,225	87,860	88,128
43,751	44,053	44,306	44,601	44,594	44,400	45,332
40,492	41,202	40,976	41,328	40,972	41,070	41,704
43,593	43,616	43,843	44,429	43,757	44,126	44,231
2,345,574	2,372,752	2,374,557	2,363,344	2,369,595	2,340,123	2,369,452

Jadual **1.2a** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor (samb.)
Table : Number of Paid Employees of Manufacturing Sector by Sub-sector (cont.)

Subsektor Sub-sector	2023						
	Jan.	Feb.	Mac.	Apr.	Mei.	Jun	
1. Makanan, minuman dan tembakau Food, beverages and tobacco	316,809	319,546	318,572	319,127	319,956	319,899	
10 Pembuatan produk makanan Manufacture of food products	298,930	301,386	300,354	301,010	301,817	301,781	
11 Pembuatan minuman Manufacture of beverages	16,583	16,717	16,770	16,843	16,874	16,865	
12 Pembuatan produk tembakau Manufacture of tobacco products	1,296	1,443	1,448	1,274	1,266	1,254	
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	84,837	84,831	85,096	85,098	85,729	85,266	
13 Pembuatan tekstil Manufacture of textiles	28,095	27,854	28,115	28,228	28,559	28,376	
14 Pembuatan pakaian Manufacture of wearing apparel	43,879	43,863	43,969	44,052	44,258	44,071	
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	12,863	13,114	13,011	12,818	12,912	12,818	
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	302,697	303,581	301,925	300,971	302,970	299,830	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	94,568	95,214	92,962	92,289	94,135	92,665	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	58,843	59,436	59,308	58,624	57,792	57,626	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	70,262	69,878	70,319	69,596	70,361	68,955	
31 Pembuatan perabot Manufacture of furniture	79,024	79,053	79,337	80,462	80,682	80,585	
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	430,230	431,616	434,110	433,318	431,202	426,332	
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	17,783	17,989	18,486	18,239	18,209	18,149	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	105,650	105,966	107,580	104,791	104,624	104,293	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	26,805	26,916	26,901	28,360	28,019	27,916	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	279,992	280,746	281,143	281,929	280,350	275,974	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	380,545	379,566	379,977	377,496	379,292	376,792	
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metalic mineral products	107,769	105,797	105,623	106,049	106,908	107,408	
24 Pembuatan logam asas Manufacture of basic metals	112,701	112,481	112,586	111,977	112,081	111,152	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	160,075	161,289	161,768	159,471	160,304	158,233	
6. Produk elektrik dan elektronik Electrical and electronic products	611,164	615,055	615,782	618,326	620,571	622,533	
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	410,422	413,081	414,042	417,662	421,194	421,479	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	103,746	103,887	104,635	103,268	102,562	102,547	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	96,996	98,086	97,105	97,395	96,815	98,507	
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	215,669	215,772	215,807	214,822	216,027	214,921	
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	87,000	87,089	87,037	86,924	87,437	87,085	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	44,293	44,313	44,253	43,711	43,826	43,751	
32 Pembuatan lain Other manufacturing	40,916	40,892	40,934	40,503	40,738	40,492	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	43,460	43,478	43,583	43,684	44,026	43,593	
Pembuatan Manufacturing	Jumlah Total	2,341,951	2,349,967	2,351,269	2,349,159	2,355,748	2,345,574

2024												
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac.	Apr.	Mei.	Jun	Jul.
321,987	323,631	330,045	331,773	331,484	331,015	334,249	333,253	332,701	334,073	334,617	332,754	335,027
303,808	305,925	312,172	313,811	313,598	312,950	315,935	314,888	314,241	315,542	316,083	314,166	316,507
16,952	16,539	16,602	16,689	16,622	16,805	17,041	17,045	17,129	17,275	17,289	17,336	17,274
1,227	1,167	1,271	1,272	1,264	1,259	1,272	1,320	1,331	1,256	1,245	1,251	1,245
84,366	84,095	84,763	84,368	86,006	85,961	86,619	86,300	86,686	86,617	87,340	86,589	86,065
28,140	28,549	28,596	28,519	28,433	28,303	28,464	27,993	28,324	28,453	28,899	28,640	28,547
43,521	42,881	43,253	42,777	44,583	44,781	45,202	45,287	45,474	45,314	45,504	45,090	44,693
12,704	12,664	12,914	13,072	12,990	12,878	12,953	13,021	12,889	12,850	12,936	12,859	12,825
298,729	300,621	302,192	306,093	307,012	306,775	304,136	304,734	303,654	304,902	305,392	303,328	302,367
92,456	92,885	93,276	94,039	95,049	94,250	93,472	93,238	92,030	92,893	94,455	93,920	93,974
57,112	57,618	58,587	59,353	59,133	59,265	59,457	59,910	59,848	59,082	58,102	58,041	57,797
68,890	69,227	68,928	70,157	70,901	71,281	68,570	68,558	68,381	67,899	68,016	68,032	68,063
80,271	80,892	81,400	82,545	81,929	81,979	82,638	83,028	83,395	85,027	84,819	83,335	82,533
429,348	431,511	431,355	432,901	432,707	431,568	430,409	430,174	430,792	432,975	432,442	428,010	431,584
18,202	18,349	18,199	18,408	18,453	18,473	18,245	18,511	18,821	18,538	18,340	18,324	18,405
102,983	103,371	102,458	103,829	104,131	103,545	103,959	104,451	105,483	105,321	105,043	104,631	103,731
28,446	29,157	29,297	29,415	28,071	27,967	27,305	27,303	27,334	28,522	28,114	28,060	28,554
279,717	280,635	281,401	281,249	282,053	281,583	280,900	279,909	279,154	280,594	280,946	276,996	280,894
377,958	381,483	384,546	384,787	384,301	386,812	387,410	385,020	386,423	386,062	386,414	385,434	386,640
107,795	108,712	109,570	109,021	109,659	109,233	107,161	105,855	105,786	106,568	107,172	107,467	108,192
111,101	110,940	111,898	112,805	112,006	112,157	113,533	112,816	113,159	112,910	112,702	112,183	112,176
159,061	161,831	163,078	162,961	162,636	165,423	166,716	166,349	167,479	166,585	166,541	165,784	166,273
610,281	617,325	623,413	621,335	619,211	615,687	612,053	608,381	607,755	609,925	613,847	616,932	608,374
411,396	416,465	423,425	421,955	420,728	419,283	414,252	410,364	409,864	412,304	416,510	418,676	408,852
102,879	104,815	104,452	104,048	103,012	102,410	103,051	102,040	102,916	102,560	102,908	102,041	103,128
96,005	96,046	95,536	95,332	95,471	93,994	94,750	95,978	94,976	95,061	94,429	96,215	96,394
217,455	216,445	216,437	216,981	216,662	216,739	218,037	217,138	215,332	218,043	217,662	216,548	219,396
87,860	87,475	87,567	87,763	87,590	87,614	88,016	87,310	84,973	88,425	87,703	87,225	88,128
44,400	43,820	44,053	44,038	44,156	44,306	44,728	44,592	44,601	44,452	44,655	44,594	45,332
41,070	41,066	41,202	41,335	41,317	40,976	40,834	40,981	41,328	41,017	41,131	40,972	41,704
44,126	44,084	43,616	43,845	43,599	43,843	44,459	44,254	44,429	44,148	44,174	43,757	44,231
2,340,123	2,355,111	2,372,752	2,378,238	2,377,383	2,374,557	2,372,913	2,365,000	2,363,344	2,372,596	2,377,714	2,369,595	2,369,452

Jadual **1.2b** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Tahunan
Table **1.2b** : Number of Paid Employees of Manufacturing Sector by Sub-sector: Annual Percentage Change

Subsektor Sub-sector	2022	2023	2023				2024		2023	2024
			Q1	Q2	Q3	Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	4.9	5.9	5.3	5.5	7.4	5.9	4.4	4.0	5.8	4.0
10 Pembuatan produk makanan <i>Manufacture of food products</i>	5.0	6.1	5.4	5.5	7.7	6.1	4.6	4.1	5.9	4.2
11 Pembuatan minuman <i>Manufacture of beverages</i>	2.6	2.6	2.9	3.8	2.8	2.6	2.1	2.8	4.6	1.9
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	2.8	2.2	2.4	7.1	6.1	2.2	-8.0	-0.2	5.4	1.5
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	1.8	2.3	2.4	3.2	3.0	2.3	1.9	1.6	3.1	2.0
13 Pembuatan tekstil <i>Manufacture of textiles</i>	0.5	1.5	1.9	2.6	2.5	1.5	0.7	0.9	2.3	1.4
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	2.6	2.7	1.9	3.2	3.2	2.7	3.4	2.3	3.1	2.7
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	2.2	2.5	4.9	4.5	3.6	2.5	-0.9	0.3	4.7	1.0
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	2.1	2.2	2.3	1.8	2.3	2.2	0.6	1.2	2.1	1.2
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	0.6	0.2	1.7	0.4	0.1	0.2	-1.0	1.4	0.6	1.6
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	4.3	1.0	4.1	1.8	1.7	1.0	0.9	0.7	0.6	1.2
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	4.0	1.7	3.9	4.6	5.3	1.7	-2.8	-1.3	4.8	-1.2
31 Pembuatan perabot <i>Manufacture of furniture</i>	0.6	6.1	0.5	1.0	3.0	6.1	5.1	3.4	2.5	2.8
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	2.6	0.1	1.3	-1.2	-0.4	0.1	-0.8	0.4	-0.8	0.5
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	4.2	3.7	4.3	5.1	3.1	3.7	1.8	1.0	3.2	1.1
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	3.1	-1.3	2.2	1.5	0.1	-1.3	-1.9	0.3	0.3	0.7
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	8.9	2.3	8.5	-0.3	1.6	2.3	1.6	0.5	0.2	0.4
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	1.8	0.1	0.2	-2.7	-1.1	0.1	-0.7	0.4	-1.5	0.4
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	1.3	2.3	0.9	1.3	2.6	2.3	1.7	2.3	1.3	2.3
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	1.6	1.8	0.4	1.1	2.2	1.8	0.2	0.1	0.7	0.4
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	0.4	0.6	0.3	0.7	0.8	0.6	0.5	0.9	0.2	1.0
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	1.6	3.9	1.7	1.8	4.1	3.9	3.5	4.8	2.5	4.5
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	5.2	-0.1	4.2	3.4	2.0	-0.1	-1.3	-0.9	1.1	-0.3
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	6.6	0.8	5.0	4.4	2.9	0.8	-1.0	-0.7	1.4	-0.6
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	1.5	-1.1	1.8	0.4	0.2	-1.1	-1.6	-0.5	0.6	0.2
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	3.6	-2.4	3.8	2.3	-0.1	-2.4	-2.2	-2.3	0.4	0.4
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	3.5	1.6	2.4	1.6	1.8	1.6	-0.2	0.8	2.3	0.9
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	3.6	0.9	2.4	1.5	1.4	0.9	-2.4	0.2	2.1	0.3
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	4.4	2.0	2.1	1.8	0.7	2.0	0.8	1.9	2.7	2.1
32 Pembuatan lain <i>Other manufacturing</i>	4.0	0.5	3.6	1.8	1.2	0.5	1.0	1.2	1.3	1.5
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	2.1	3.6	1.7	1.3	4.2	3.6	1.9	0.4	3.0	0.2
Pembuatan <i>Manufacturing</i>	Jumlah <i>Total</i>	3.4	1.7	2.8	2.1	2.4	1.7	0.5	1.0	1.3

(%)

2023												2024						
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
4.7	5.6	5.3	5.6	5.9	5.5	5.8	6.2	7.4	7.7	6.9	5.9	5.5	4.3	4.4	4.7	4.6	4.0	4.0
4.8	5.8	5.4	5.8	6.0	5.5	5.9	6.4	7.7	8.0	7.1	6.1	5.7	4.5	4.6	4.8	4.7	4.1	4.2
2.9	2.7	2.9	2.2	3.0	3.8	4.6	2.5	2.8	3.6	3.5	2.6	2.8	2.0	2.1	2.6	2.5	2.8	1.9
0.6	0.8	2.4	9.3	8.7	7.1	5.4	5.2	6.1	5.8	4.5	2.2	-1.8	-8.5	-8.0	-1.4	-1.6	-0.2	1.5
2.5	1.8	2.4	2.8	2.8	3.2	3.1	2.7	3.0	3.1	2.6	2.3	2.1	1.7	1.9	1.8	1.9	1.6	2.0
1.8	1.2	1.9	2.6	2.8	2.6	2.3	3.3	2.5	2.3	1.6	1.5	1.3	0.5	0.7	0.8	1.2	0.9	1.4
2.8	1.8	1.9	2.8	2.5	3.2	3.1	2.3	3.2	3.1	2.9	2.7	3.0	3.2	3.4	2.9	2.8	2.3	2.7
2.9	3.3	4.9	3.6	3.9	4.5	4.7	2.9	3.6	4.6	3.8	2.5	0.7	-0.7	-0.9	0.3	0.2	0.3	1.0
2.2	2.4	2.3	2.7	2.5	1.8	2.1	2.6	2.3	2.5	2.3	2.2	0.5	0.4	0.6	1.3	0.8	1.2	1.2
0.7	1.9	1.7	1.5	0.6	0.4	0.6	0.9	0.1	0.7	0.9	0.2	-1.2	-2.1	-1.0	0.7	0.3	1.4	1.6
4.0	4.2	4.1	3.9	2.2	1.8	0.6	1.6	1.7	1.8	1.1	1.0	1.0	0.8	0.9	0.8	0.5	0.7	1.2
4.1	3.8	3.9	6.4	7.0	4.6	4.8	5.4	5.3	2.8	1.5	1.7	-2.4	-1.9	-2.8	-2.4	-3.3	-1.3	-1.2
0.8	0.7	0.5	0.4	1.3	1.0	2.5	3.1	3.0	4.8	5.7	6.1	4.6	5.0	5.1	5.7	5.1	3.4	2.8
2.1	2.8	1.3	-0.5	-0.9	-1.2	-0.8	-0.3	-0.4	0.2	0.4	0.1	0.04	-0.3	-0.8	-0.1	0.3	0.4	0.5
4.4	4.1	4.3	5.9	5.4	5.1	3.2	3.8	3.1	4.3	4.4	3.7	2.6	2.9	1.8	1.6	0.7	1.0	1.1
3.2	3.7	2.2	2.6	1.7	1.5	0.3	0.9	0.1	0.2	-0.2	-1.3	-1.6	-1.4	-1.9	0.5	0.4	0.3	0.7
8.6	8.5	8.5	1.3	0.6	-0.3	0.2	1.7	1.6	1.9	2.2	2.3	1.9	1.4	1.6	0.6	0.3	0.5	0.4
0.9	1.8	0.2	-2.1	-2.3	-2.7	-1.5	-1.2	-1.1	-0.3	0.3	0.1	0.3	-0.3	-0.7	-0.5	0.2	0.4	0.4
1.3	1.4	0.9	0.8	1.4	1.3	1.3	2.2	2.6	2.5	2.3	2.3	1.8	1.4	1.7	2.3	1.9	2.3	2.3
1.0	0.8	0.4	0.5	0.8	1.1	0.7	1.8	2.2	1.8	2.0	1.8	-0.6	0.1	0.2	0.5	0.2	0.1	0.4
0.7	0.4	0.3	0.2	0.9	0.7	0.2	0.1	0.8	0.7	0.5	0.6	0.7	0.3	0.5	0.8	0.6	0.9	1.0
1.8	2.6	1.7	1.5	2.1	1.8	2.5	3.9	4.1	4.1	3.8	3.9	4.1	3.1	3.5	4.5	3.9	4.8	4.5
4.3	4.4	4.2	4.2	4.2	3.4	1.1	1.0	2.0	1.6	0.7	-0.1	0.1	-1.1	-1.3	-1.4	-1.1	-0.9	-0.3
5.3	5.4	5.0	5.2	5.5	4.4	1.4	1.3	2.9	2.7	1.4	0.8	0.9	-0.7	-1.0	-1.3	-1.1	-0.7	-0.6
1.3	1.6	1.8	1.6	1.0	0.4	0.6	0.5	0.2	-0.7	-0.8	-1.1	-0.7	-1.8	-1.6	-0.7	0.3	-0.5	0.2
3.4	3.2	3.8	2.7	2.0	2.3	0.4	0.2	-0.1	-0.8	-0.7	-2.4	-2.3	-2.1	-2.2	-2.4	-2.5	-2.3	0.4
3.1	2.6	2.4	2.0	2.4	1.6	2.3	1.9	1.8	1.8	1.8	1.6	1.1	0.6	-0.2	1.5	0.8	0.8	0.9
3.1	2.3	2.4	2.2	3.0	1.5	2.1	1.6	1.4	1.6	1.5	0.9	1.2	0.3	-2.4	1.7	0.3	0.2	0.3
3.4	2.9	2.1	1.9	2.3	1.8	2.7	1.0	0.7	0.8	1.3	2.0	1.0	0.6	0.8	1.7	1.9	1.9	2.1
3.7	3.0	3.6	2.4	2.5	1.8	1.3	1.2	1.2	1.6	1.5	0.5	-0.2	0.2	1.0	1.3	1.0	1.2	1.5
2.2	2.4	1.7	1.4	1.6	1.3	3.0	4.3	4.2	3.5	3.4	3.6	2.3	1.8	1.9	1.1	0.3	0.4	0.2
3.0	3.3	2.8	2.5	2.6	2.1	1.7	2.0	2.4	2.5	2.1	1.7	1.3	0.6	0.5	1.0	0.9	1.0	1.3

Jadual 1.2c : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Bulanan/Suku Tahunan
Table 1.2c : Number of Paid Employees of Manufacturing Sector by Sub-sector: Monthly/Quarterly Percentage Change

Subsektor Sub-sector	2023				2024		2023	
	Q1	Q2	Q3	Q4	Q1	Q2	Jan.	Feb.
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	1.9	0.4	3.2	0.3	0.5	0.02	1.4	0.9
10 Pembuatan produk makanan <i>Manufacture of food products</i>	1.9	0.5	3.4	0.2	0.4	-0.02	1.4	0.8
11 Pembuatan minuman <i>Manufacture of beverages</i>	2.4	0.6	-1.6	1.2	1.9	1.2	1.3	0.8
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	17.5	-13.4	1.4	-0.9	5.7	-6.0	5.2	11.4
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	1.3	0.2	-0.6	1.4	0.8	-0.1	1.0	-0.01
13 Pembuatan tekstil <i>Manufacture of textiles</i>	0.9	0.9	0.8	-1.0	0.1	1.1	0.8	-0.9
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	0.9	0.2	-1.9	3.5	1.5	-0.8	0.7	-0.04
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	3.6	-1.5	0.7	-0.3	0.1	-0.2	2.4	1.9
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	0.6	-0.7	0.8	1.5	-1.0	-0.1	0.9	0.3
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	-1.2	-0.3	0.7	1.0	-2.4	2.1	0.6	0.7
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	1.1	-2.8	1.7	1.2	1.0	-3.0	0.3	1.0
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	0.3	-1.9	-0.04	3.4	-4.1	-0.5	0.2	-0.5
31 Pembuatan perabot <i>Manufacture of furniture</i>	2.6	1.6	1.0	0.7	1.7	-0.1	2.2	0.04
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	0.6	-1.8	1.2	0.05	-0.2	-0.6	-0.3	0.3
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	3.8	-1.8	0.3	1.5	1.9	-2.6	-0.2	1.2
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	2.6	-3.1	-1.8	1.1	1.9	-0.8	0.7	0.3
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	-1.6	3.8	4.9	-4.5	-2.3	2.7	-1.9	0.4
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	-0.1	-1.8	2.0	0.1	-0.9	-0.8	-0.5	0.3
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	0.5	-0.8	2.1	0.6	-0.1	-0.3	0.7	-0.3
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	-1.6	1.7	2.0	-0.3	-3.2	1.6	0.4	-1.8
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	0.9	-1.3	0.7	0.2	0.9	-0.9	1.0	-0.2
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	1.6	-2.2	3.1	1.4	1.2	-1.0	0.5	0.8
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	-0.03	1.1	0.1	-1.2	-1.3	1.5	-0.8	0.6
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	-0.5	1.8	0.5	-1.0	-2.2	2.1	-1.4	0.6
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	1.0	-2.0	1.9	-2.0	0.5	-0.8	0.2	0.1
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	0.8	1.4	-3.0	-1.6	1.0	1.3	0.7	1.1
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	1.1	-0.4	0.7	0.1	-0.6	0.6	1.1	0.05
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	0.2	0.1	0.6	0.1	-3.0	2.6	0.2	0.1
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	1.9	-1.1	0.7	0.6	0.7	0.0	2.0	0.04
32 Pembuatan lain <i>Other manufacturing</i>	0.4	-1.1	1.8	-0.5	0.9	-0.9	0.3	-0.1
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	3.0	0.02	0.1	0.5	1.3	-1.5	2.7	0.04
Pembuatan <i>Manufacturing</i>	Jumlah <i>Total</i>	0.7	-0.2	1.2	0.1	-0.5	0.3	0.3

(%)

2024																
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
-0.3	0.2	0.3	-0.02	0.7	0.5	2.0	0.5	-0.1	-0.1	1.0	-0.3	-0.2	0.4	0.2	-0.6	0.7
-0.3	0.2	0.3	-0.01	0.7	0.7	2.0	0.5	-0.1	-0.2	1.0	-0.3	-0.2	0.4	0.2	-0.6	0.7
0.3	0.4	0.2	-0.1	0.5	-2.4	0.4	0.5	-0.4	1.1	1.4	0.02	0.5	0.9	0.1	0.3	-0.4
0.3	-12.0	-0.6	-1.0	-2.2	-4.9	8.9	0.1	-0.7	-0.4	1.0	3.7	0.9	-5.7	-0.8	0.5	-0.5
0.3	0.0	0.7	-0.5	-1.1	-0.3	0.8	-0.5	1.9	-0.1	0.8	-0.4	0.4	-0.1	0.8	-0.9	-0.6
0.9	0.4	1.2	-0.6	-0.8	1.5	0.2	-0.3	-0.3	-0.5	0.6	-1.7	1.2	0.5	1.6	-0.9	-0.3
0.2	0.2	0.5	-0.4	-1.2	-1.5	0.9	-1.1	4.2	0.4	0.9	0.2	0.4	-0.4	0.4	-0.9	-0.9
-0.8	-1.5	0.7	-0.7	-0.9	-0.3	2.0	1.2	-0.6	-0.9	0.6	0.5	-1.0	-0.3	0.7	-0.6	-0.3
-0.5	-0.3	0.7	-1.0	-0.4	0.6	0.5	1.3	0.3	-0.1	-0.9	0.2	-0.4	0.4	0.2	-0.7	-0.3
-2.4	-0.7	2.0	-1.6	-0.2	0.5	0.4	0.8	1.1	-0.8	-0.8	-0.3	-1.3	0.9	1.7	-0.6	0.1
-0.2	-1.2	-1.4	-0.3	-0.9	0.9	1.7	1.3	-0.4	0.2	0.3	0.8	-0.1	-1.3	-1.7	-0.1	-0.4
0.6	-1.0	1.1	-2.0	-0.1	0.5	-0.4	1.8	1.1	0.5	-3.8	-0.02	-0.3	-0.7	0.2	0.02	0.05
0.4	1.4	0.3	-0.1	-0.4	0.8	0.6	1.4	-0.7	0.1	0.8	0.5	0.4	2.0	-0.2	-1.8	-1.0
0.6	-0.2	-0.5	-1.1	0.7	0.5	-0.04	0.4	-0.04	-0.3	-0.3	-0.1	0.1	0.5	-0.1	-1.0	0.8
2.8	-1.3	-0.2	-0.3	0.3	0.8	-0.8	1.2	0.2	0.1	-1.2	1.5	1.7	-1.5	-1.1	-0.1	0.4
1.5	-2.6	-0.2	-0.3	-1.3	0.4	-0.9	1.3	0.3	-0.6	0.4	0.5	1.0	-0.2	-0.3	-0.4	-0.9
-0.1	5.4	-1.2	-0.4	1.9	2.5	0.5	0.4	-4.6	-0.4	-2.4	-0.01	0.1	4.3	-1.4	-0.2	1.8
0.1	0.3	-0.6	-1.6	1.4	0.3	0.3	-0.1	0.3	-0.2	-0.2	-0.4	-0.3	0.5	0.1	-1.4	1.4
0.1	-0.7	0.5	-0.7	0.3	0.9	0.8	0.1	-0.1	0.7	0.2	-0.6	0.4	-0.1	0.1	-0.3	0.3
-0.2	0.4	0.8	0.5	0.4	0.9	0.8	-0.5	0.6	-0.4	-1.9	-1.2	-0.1	0.7	0.6	0.3	0.7
0.1	-0.5	0.1	-0.8	-0.05	-0.1	0.9	0.8	-0.7	0.1	1.2	-0.6	0.3	-0.2	-0.2	-0.5	-0.01
0.3	-1.4	0.5	-1.3	0.5	1.7	0.8	-0.1	-0.2	1.7	0.8	-0.2	0.7	-0.5	-0.03	-0.5	0.3
0.1	0.4	0.4	0.3	-2.0	1.2	1.0	-0.3	-0.3	-0.6	-0.6	-0.6	-0.1	0.4	0.6	0.5	-1.4
0.2	0.9	0.8	0.1	-2.4	1.2	1.7	-0.3	-0.3	-0.3	-1.2	-0.9	-0.1	0.6	1.0	0.5	-2.3
0.7	-1.3	-0.7	-0.01	0.3	1.9	-0.3	-0.4	-1.0	-0.6	0.6	-1.0	0.9	-0.3	0.3	-0.8	1.1
-1.0	0.3	-0.6	1.7	-2.5	0.04	-0.5	-0.2	0.1	-1.5	0.8	1.3	-1.0	0.1	-0.7	1.9	0.2
0.02	-0.5	0.6	-0.5	1.2	-0.5	0.0	0.3	-0.1	0.04	0.6	-0.4	-0.8	1.3	-0.2	-0.5	1.3
-0.1	-0.1	0.6	-0.4	0.9	-0.4	0.1	0.2	-0.2	0.03	0.5	-0.8	-2.7	4.1	-0.8	-0.5	1.0
-0.1	-1.2	0.3	-0.2	1.5	-1.3	0.5	-0.03	0.3	0.3	1.0	-0.3	0.02	-0.3	0.5	-0.1	1.7
0.1	-1.1	0.6	-0.6	1.4	-0.01	0.3	0.3	-0.04	-0.8	-0.3	0.4	0.8	-0.8	0.3	-0.4	1.8
0.2	0.2	0.8	-1.0	1.2	-0.1	-1.1	0.5	-0.6	0.6	1.4	-0.5	0.4	-0.6	0.1	-0.9	1.1
0.1	-0.1	0.3	-0.4	-0.2	0.6	0.7	0.2	-0.04	-0.1	-0.1	-0.3	-0.1	0.4	0.2	-0.3	-0.01

Jadual **1.3a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Subsektor
Table **1.3a** : Salaries and Wages Paid of Manufacturing Sector by Sub-sector

Subsektor Sub-sector	2022	2023	2023				2024		2023	2024	
			Q1	Q2	Q3	Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	11,028	11,901	2,912	2,909	2,965	3,115	3,042	3,019	6,799	7,077	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	10,433	11,261	2,753	2,755	2,810	2,943	2,874	2,855	6,435	6,691	
11 Pembuatan minuman <i>Manufacture of beverages</i>	532	573	141	139	139	154	151	149	325	348	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	63	66	18	16	15	18	17	15	38	38	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	1,909	2,013	503	496	492	521	515	506	1,161	1,187	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	673	706	172	176	178	180	176	180	406	416	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	913	964	245	236	231	252	251	240	557	569	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	323	343	86	85	83	88	88	86	198	202	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	9,483	9,927	2,502	2,441	2,448	2,536	2,565	2,514	5,752	5,916	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	2,584	2,710	678	662	677	693	694	689	1,564	1,618	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	2,100	2,148	548	523	527	550	554	526	1,244	1,254	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	2,242	2,382	594	600	584	605	623	636	1,390	1,468	
31 Pembuatan perabot <i>Manufacture of furniture</i>	2,556	2,687	683	655	660	689	694	664	1,554	1,575	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	20,969	21,375	5,355	5,286	5,327	5,407	5,345	5,261	12,409	12,377	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	2,363	2,502	677	570	592	664	682	571	1,437	1,447	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	5,831	5,931	1,551	1,458	1,448	1,473	1,501	1,412	3,498	3,388	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	789	804	188	197	204	215	191	198	452	456	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	11,986	12,139	2,939	3,061	3,083	3,055	2,971	3,080	7,022	7,087	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	14,412	14,916	3,765	3,664	3,652	3,835	3,947	3,873	8,633	9,091	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	4,607	4,721	1,144	1,161	1,183	1,233	1,201	1,211	2,694	2,816	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	4,180	4,262	1,128	1,058	1,011	1,065	1,144	1,089	2,521	2,583	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	5,625	5,933	1,494	1,445	1,458	1,537	1,602	1,572	3,418	3,692	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	29,441	30,130	7,618	7,483	7,334	7,695	7,520	7,395	17,499	17,348	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	21,078	21,732	5,463	5,447	5,247	5,574	5,415	5,367	12,622	12,522	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	3,939	3,948	1,007	956	1,003	983	975	975	2,295	2,289	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	4,424	4,451	1,148	1,080	1,084	1,139	1,130	1,053	2,582	2,538	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	7,287	7,528	1,862	1,886	1,850	1,930	1,889	1,932	4,361	4,451	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	3,526	3,625	878	913	898	936	891	932	2,088	2,125	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	1,142	1,171	296	294	285	295	307	309	686	718	
32 Pembuatan lain <i>Other manufacturing</i>	1,300	1,325	328	324	328	345	329	333	760	774	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	1,319	1,407	359	355	338	355	362	359	827	835	
Pembuatan Manufacturing	Jumlah Total	94,528	97,789	24,517	24,165	24,068	25,039	24,823	24,500	56,614	57,447

(RM Juta/Million)

2023												2024						
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
978	972	962	964	973	972	978	978	1,009	1,012	1,014	1,089	1,046	1,002	994	1,006	1,009	1,003	1,016
925	919	909	911	922	921	928	927	956	958	957	1,028	989	947	938	950	956	949	962
48	47	47	47	46	45	45	45	49	49	51	54	51	50	50	51	49	49	49
6	6	6	5	5	5	5	5	5	5	5	7	6	6	6	5	5	5	5
173	164	166	166	167	163	162	163	168	167	173	181	177	168	170	170	171	166	166
59	56	57	58	59	59	59	59	60	60	60	61	60	57	59	59	61	60	60
86	79	80	80	79	76	77	76	79	78	84	90	87	82	82	82	81	77	78
29	29	29	28	28	28	27	27	29	29	29	30	30	29	29	29	29	29	28
843	832	827	811	823	808	809	816	823	830	835	870	859	857	850	837	845	832	836
226	228	224	222	222	218	224	226	227	229	230	233	234	231	230	231	231	227	235
180	186	182	175	174	174	173	175	179	182	180	188	184	186	183	176	174	175	174
204	193	197	197	203	200	196	197	191	193	199	213	204	210	209	209	214	213	210
233	225	224	217	223	215	216	218	226	226	226	237	237	229	228	221	226	217	217
1,770	1,753	1,831	1,775	1,747	1,764	1,768	1,783	1,777	1,783	1,771	1,853	1,778	1,756	1,810	1,764	1,738	1,760	1,771
216	212	249	188	187	195	190	194	208	217	207	240	216	216	250	188	185	198	194
509	512	530	502	472	484	489	483	476	480	478	515	493	497	510	490	456	467	475
65	61	62	68	64	65	67	69	68	70	67	78	66	62	63	68	65	65	67
981	968	990	1,017	1,024	1,020	1,022	1,037	1,024	1,016	1,019	1,021	1,003	981	987	1,017	1,033	1,030	1,036
1,272	1,248	1,244	1,213	1,236	1,215	1,204	1,209	1,239	1,244	1,250	1,341	1,337	1,303	1,307	1,294	1,299	1,280	1,270
393	373	379	379	392	390	389	390	404	403	408	422	406	393	402	403	405	403	403
382	375	370	356	356	346	336	334	341	342	342	381	391	377	376	371	363	355	350
498	501	495	478	488	479	479	485	494	498	499	539	540	532	530	520	530	522	518
2,529	2,571	2,518	2,462	2,518	2,503	2,398	2,438	2,498	2,484	2,478	2,733	2,527	2,523	2,470	2,396	2,480	2,519	2,433
1,794	1,849	1,820	1,801	1,832	1,814	1,712	1,738	1,798	1,787	1,793	1,993	1,810	1,821	1,784	1,736	1,797	1,835	1,739
343	337	327	298	326	332	333	337	333	327	316	340	330	323	321	303	334	337	339
393	384	371	363	360	357	354	363	367	370	368	400	386	380	365	356	349	347	355
617	624	621	626	635	624	613	616	621	625	628	677	627	633	629	646	649	638	631
292	297	289	301	306	306	297	300	301	303	302	332	298	302	290	309	313	310	303
96	98	103	98	100	96	96	93	96	98	97	99	100	101	107	103	105	102	102
111	109	109	106	110	108	108	110	111	111	111	122	108	109	111	111	112	110	112
119	120	120	122	119	115	113	113	113	113	118	124	120	121	121	123	120	116	114
8,183	8,164	8,170	8,017	8,100	8,049	7,932	8,001	8,135	8,146	8,149	8,744	8,350	8,243	8,230	8,112	8,191	8,198	8,124

Jadual **1.3b** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Tahunan
Table **1.3b** : Salaries and Wages Paid of Manufacturing Sector by Sub-sector: Annual Percentage Change

Subsektor Sub-sector	2022	2023	2023				2024		2023	2024
			Q1	Q2	Q3	Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	6.6	7.9	7.8	6.9	8.3	8.6	4.5	3.8	7.3	4.1
10 Pembuatan produk makanan <i>Manufacture of food products</i>	6.7	7.9	7.8	6.9	8.3	8.8	4.4	3.6	7.3	4.0
11 Pembuatan minuman <i>Manufacture of beverages</i>	4.8	7.7	6.9	8.3	8.5	7.2	6.7	7.2	7.8	7.1
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	2.6	4.8	4.5	8.5	5.2	1.7	-3.5	-1.4	6.2	-1.8
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	4.5	5.4	4.9	7.4	5.8	3.8	2.4	2.0	6.2	2.2
13 Pembuatan tekstil <i>Manufacture of textiles</i>	2.4	5.0	3.5	6.9	6.0	3.5	2.3	2.4	5.3	2.4
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	5.8	5.6	5.7	8.0	5.5	3.5	2.8	1.6	6.7	2.1
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	5.2	6.0	5.4	6.9	6.2	5.5	1.6	2.1	6.6	2.2
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	4.7	4.7	4.3	4.4	5.2	4.8	2.5	3.0	4.5	2.8
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	5.0	4.9	4.2	4.5	5.5	5.3	2.5	4.0	4.5	3.4
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	4.1	2.3	4.7	1.4	1.3	1.6	1.1	0.4	2.7	0.8
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	4.2	6.3	4.8	7.3	7.8	5.2	4.9	5.9	6.2	5.6
31 Pembuatan perabot <i>Manufacture of furniture</i>	5.4	5.1	3.8	4.2	6.1	6.4	1.7	1.4	4.3	1.3
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	3.1	1.9	5.4	1.2	0.01	1.3	-0.2	-0.5	2.8	-0.3
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	1.6	5.9	7.7	7.1	2.6	6.1	0.8	0.2	6.8	0.7
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	2.7	1.7	4.5	2.5	0.2	-0.4	-3.2	-3.1	3.0	-3.1
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	10.0	1.9	4.6	0.7	0.9	1.9	1.4	0.6	2.3	0.9
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	3.1	1.3	5.5	-0.5	-0.6	1.1	1.1	0.6	1.9	0.9
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	4.0	3.5	3.1	3.1	3.7	4.0	4.8	5.7	3.1	5.3
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	6.2	2.5	1.9	1.3	2.7	3.9	5.0	4.4	1.6	4.5
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	3.3	1.9	3.2	2.8	1.4	0.4	1.5	3.0	2.9	2.5
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	2.8	5.5	4.1	4.9	6.2	6.8	7.2	8.8	4.6	8.0
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	7.4	2.3	3.2	4.0	1.8	0.5	-1.3	-1.2	3.4	-0.9
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	9.3	3.1	3.7	5.0	2.3	1.4	-0.9	-1.5	4.1	-0.8
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	2.8	0.2	1.4	1.7	0.7	-2.7	-3.1	2.0	1.5	-0.3
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	3.1	0.6	2.3	0.9	0.2	-0.9	-1.5	-2.5	1.4	-1.7
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	4.2	3.3	2.3	3.5	3.9	3.5	1.4	2.4	3.1	2.1
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	3.4	2.8	0.7	2.7	4.3	3.5	1.4	2.0	2.2	1.8
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	4.2	2.5	2.4	1.7	1.4	4.6	3.7	5.2	2.1	4.7
32 Pembuatan lain <i>Other manufacturing</i>	6.1	1.9	1.0	3.0	0.6	2.9	0.1	2.8	1.9	1.8
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	4.7	6.7	7.5	7.4	8.5	3.6	0.9	0.9	7.5	0.9
Pembuatan	Jumlah	5.2	3.5	4.3	3.6	3.0	2.9	1.2	1.4	1.5
	<i>Total</i>									

(%)

2023												2024						
Jan.	Feb.	Mac.	Apr.	Mei.	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac.	Apr.	Mei.	Jun	Jul.
8.3	8.8	6.3	7.0	7.3	6.5	7.2	7.9	9.6	9.8	8.6	7.6	6.9	3.1	3.3	4.4	3.7	3.2	3.9
8.4	9.0	6.1	6.9	7.2	6.4	7.1	8.0	9.7	9.9	8.7	7.8	6.9	3.0	3.2	4.3	3.6	3.0	3.7
7.9	4.0	9.0	7.8	8.4	8.7	9.2	7.9	8.4	8.8	8.4	4.7	6.6	6.4	7.1	7.3	6.1	8.3	8.1
3.8	4.1	5.6	9.7	8.3	7.6	5.3	5.1	5.2	4.0	1.1	0.5	-0.9	-5.8	-3.8	-2.6	-2.9	1.4	2.9
4.9	4.2	5.6	7.0	6.9	8.4	6.3	5.5	5.5	5.3	4.0	2.3	2.3	2.4	2.5	2.1	2.0	1.8	2.3
4.1	1.5	4.9	6.8	7.2	6.6	5.8	6.7	5.3	4.5	3.2	3.0	2.6	1.9	2.2	2.3	2.6	2.3	2.7
5.7	5.5	6.0	7.7	6.6	9.8	5.6	5.0	5.9	5.7	4.1	1.0	2.2	3.0	3.4	2.0	1.6	1.2	1.5
4.3	5.9	6.1	5.3	7.1	8.5	9.7	4.3	4.9	6.1	5.7	4.8	2.3	1.7	0.9	2.2	1.9	2.1	4.2
4.1	4.5	4.4	4.0	5.0	4.2	5.1	5.5	5.1	5.2	4.7	4.4	1.9	3.0	2.7	3.2	2.7	3.0	3.4
2.5	5.1	5.0	4.7	4.6	4.1	5.4	5.8	5.2	5.8	6.0	4.1	3.5	1.5	2.5	4.0	3.8	4.1	4.8
4.1	5.0	4.9	1.8	1.7	0.8	0.7	1.1	2.1	3.2	1.3	0.5	2.3	0.3	0.8	0.4	0.3	0.6	1.0
5.1	4.5	4.7	6.6	8.2	7.1	7.4	8.0	7.9	5.5	4.7	5.4	0.1	8.9	5.8	6.3	5.2	6.3	7.1
4.8	3.3	3.2	2.9	5.2	4.6	6.4	6.6	5.2	5.8	6.3	7.2	1.5	1.7	1.9	2.0	1.2	0.8	0.3
5.7	6.0	4.7	3.9	0.5	-0.8	-0.2	0.1	0.1	1.4	2.2	0.4	0.4	0.2	-1.2	-0.6	-0.5	-0.2	0.2
8.1	7.3	7.6	8.3	8.0	5.1	2.8	4.1	1.1	6.0	6.3	6.1	0.1	1.8	0.6	0.4	-1.1	1.2	1.9
4.4	4.6	4.4	5.0	1.4	1.2	0.1	0.4	0.1	0.7	0.2	-1.9	-3.1	-2.8	-3.8	-2.4	-3.4	-3.6	-2.9
6.7	3.2	3.8	1.1	0.6	0.3	0.8	1.2	0.6	0.7	2.3	2.5	1.4	0.8	1.9	0.7	0.3	0.9	0.3
5.8	6.6	4.1	2.8	-1.2	-2.8	-0.9	-0.8	-0.2	0.8	2.3	0.1	2.3	1.4	-0.4	-0.1	0.8	1.0	1.4
2.9	3.8	2.8	2.7	3.5	3.2	3.2	3.8	4.1	3.8	3.6	4.5	5.1	4.4	5.0	6.7	5.1	5.3	5.5
4.0	1.6	0.1	0.2	1.8	2.0	1.6	3.0	3.7	3.3	4.4	4.0	3.5	5.5	6.1	6.5	3.5	3.2	3.6
3.4	3.3	2.8	2.7	3.3	2.3	2.2	1.1	1.0	0.5	0.2	0.5	2.3	0.7	1.4	4.1	2.1	2.8	4.1
1.6	5.8	5.0	4.8	5.0	4.8	5.4	6.4	6.7	6.8	5.6	8.0	8.5	6.3	6.9	8.8	8.6	8.9	8.1
2.3	3.2	4.0	3.7	4.8	3.4	2.0	1.6	1.7	1.3	1.2	-0.8	-0.1	-1.8	-1.9	-2.7	-1.5	0.7	1.4
2.8	4.2	4.1	4.6	6.4	4.1	2.5	2.1	2.4	2.2	2.1	0.2	0.9	-1.5	-2.0	-3.6	-1.9	1.1	1.6
0.3	1.3	2.7	2.1	1.7	1.2	1.5	0.8	0.0	-1.2	-2.8	-4.1	-3.6	-4.0	-1.8	1.8	2.4	1.7	1.9
1.7	0.5	4.8	1.0	0.2	1.6	0.2	0.1	0.1	-0.4	0.6	-2.6	-1.7	-1.3	-1.6	-1.7	-3.0	-2.7	0.2
2.4	2.3	2.2	1.6	5.1	3.8	4.4	3.8	3.6	3.6	3.7	3.4	1.6	1.4	1.3	3.1	2.1	2.2	2.8
1.0	0.4	0.9	0.3	4.3	3.7	5.0	4.1	3.8	3.9	3.7	2.9	2.4	1.6	0.3	2.8	2.1	1.2	1.9
3.7	2.7	1.0	0.7	2.4	2.0	2.2	1.0	0.8	3.1	5.2	5.6	4.4	3.1	3.5	4.6	5.0	6.0	6.4
0.3	0.1	2.8	1.9	6.1	1.2	0.9	0.3	0.7	3.5	2.8	2.3	-2.3	0.3	2.3	4.9	1.1	2.4	4.3
7.0	9.1	6.4	5.8	8.5	8.1	8.2	8.8	8.5	3.4	3.2	4.1	0.9	0.7	1.0	0.8	0.7	1.4	1.0
4.0	4.6	4.2	3.9	4.0	3.0	2.9	3.0	3.2	3.4	3.3	2.1	2.0	1.0	0.7	1.2	1.1	1.8	2.4

Jadual **1.3c** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Bulanan/Suku Tahunan
Table **1.3c** : Salaries and Wages Paid of Manufacturing Sector by Sub-sector: Monthly/Quarterly Percentage Change

Subsektor Sub-sector	2023				2024		2023		
	Q1	Q2	Q3	Q4	Q1	Q2	Jan.	Feb.	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	1.6	-0.1	1.9	5.1	-2.3	-0.8	-3.3	-0.6	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	1.7	0.1	2.0	4.7	-2.4	-0.7	-3.1	-0.6	
11 Pembuatan minuman <i>Manufacture of beverages</i>	-1.4	-1.9	0.2	10.5	-1.9	-1.4	-6.8	-2.6	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	0.9	-11.6	-2.6	17.1	-4.4	-9.6	-17.0	7.0	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	0.2	-1.4	-0.7	5.9	-1.1	-1.9	-2.2	-5.0	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	-1.3	2.1	1.3	1.4	-2.5	2.2	-0.6	-4.2	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	0.3	-3.6	-1.9	9.1	-0.3	-4.8	-4.3	-7.2	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	3.2	-2.1	-1.6	6.2	-0.6	-1.7	1.2	-0.3	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	3.3	-2.4	0.3	3.6	1.1	-2.0	1.1	-1.3	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	2.9	-2.2	2.3	2.3	0.2	-0.8	0.8	0.8	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	1.3	-4.5	0.6	4.4	0.8	-5.1	-3.4	3.0	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	3.4	1.1	-2.8	3.6	3.0	2.1	0.8	-5.3	
31 Pembuatan perabot <i>Manufacture of furniture</i>	5.5	-4.0	0.7	4.4	0.8	-4.3	5.6	-3.3	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	0.3	-1.3	0.8	1.5	-1.1	-1.6	-4.1	-1.0	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	8.2	-15.8	4.0	12.0	2.8	-16.4	-4.7	-1.5	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	4.9	-6.0	-0.7	1.7	1.9	-5.9	-3.1	0.5	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	-10.7	4.6	3.5	5.4	-11.2	3.8	-14.2	-5.5	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	-2.8	4.2	0.7	-0.9	-2.8	3.7	-3.8	-1.4	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	2.1	-2.7	-0.3	5.0	2.9	-1.9	-0.8	-1.9	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	-3.7	1.5	1.9	4.2	-2.6	0.8	-3.2	-5.1	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	6.3	-6.2	-4.4	5.3	7.4	-4.8	1.0	-1.9	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	3.8	-3.2	0.9	5.4	4.2	-1.9	-0.3	0.7	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	-0.5	-1.8	-2.0	4.9	-2.3	-1.7	-8.2	1.6	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	-0.6	-0.3	-3.7	6.2	-2.8	-0.9	-9.8	3.1	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	-0.4	-5.0	4.9	-2.0	-0.8	0.0	-3.3	-1.7	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	-0.1	-6.0	0.4	5.0	-0.8	-6.9	-4.4	-2.1	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	-0.1	1.3	-1.9	4.4	-2.2	2.3	-5.8	1.1	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	-2.9	4.0	-1.6	4.2	-4.8	4.6	-9.6	1.9	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	5.1	-0.9	-2.9	3.5	4.2	0.5	1.7	2.0	
32 Pembuatan lain <i>Other manufacturing</i>	-2.0	-1.4	1.3	5.1	-4.7	1.2	-7.4	-1.5	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	4.8	-0.9	-4.8	4.8	2.1	-0.9	0.3	0.9	
Pembuatan	Jumlah Total	0.8	-1.4	-0.4	4.0	-0.9	-1.3	-4.4	-0.2

(%)

2024																
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
-1.1	0.2	1.0	-0.1	0.6	-0.02	3.3	0.3	0.1	7.4	-4.0	-4.1	-0.9	1.2	0.3	-0.6	1.3
-1.1	0.2	1.2	-0.1	0.7	-0.02	3.1	0.3	-0.1	7.4	-3.8	-4.2	-0.9	1.3	0.6	-0.7	1.4
-0.2	1.6	-3.3	-0.8	-0.7	0.3	7.2	0.3	4.8	5.7	-5.2	-2.8	0.4	1.8	-4.4	1.3	-0.9
-3.6	-10.5	-1.3	-0.4	-2.2	-3.8	8.8	3.5	-0.7	26.8	-18.2	1.8	-1.6	-9.4	-1.6	3.9	-0.7
0.8	0.3	0.7	-2.7	-0.2	0.1	3.1	-0.3	3.6	4.6	-2.1	-5.0	0.9	-0.1	0.5	-3.0	0.3
1.9	0.8	2.8	-1.2	0.2	1.1	0.9	-0.3	0.4	1.3	-1.0	-4.8	2.2	0.9	3.1	-1.5	0.5
0.5	0.5	-0.9	-4.2	0.6	-1.1	4.0	-0.8	7.3	7.6	-3.2	-6.5	0.9	-0.8	-1.3	-4.6	0.9
-0.6	-1.4	0.6	-1.8	-3.4	1.7	5.3	1.2	0.1	2.4	-1.3	-0.8	-1.4	-0.2	0.3	-1.6	-1.4
-0.5	-2.0	1.5	-1.8	0.1	0.8	0.9	0.9	0.6	4.2	-1.4	-0.2	-0.8	-1.5	1.0	-1.6	0.5
-1.5	-1.0	0.2	-2.0	2.9	0.7	0.5	1.0	0.4	1.2	0.2	-1.1	-0.5	0.5	0.004	-1.7	3.6
-2.0	-3.8	-0.8	0.4	-1.0	1.2	2.6	1.8	-1.4	4.3	-1.7	1.0	-1.6	-4.1	-0.8	0.6	-0.6
2.2	-0.3	3.4	-1.4	-2.4	0.7	-2.9	0.9	3.0	7.3	-4.3	3.1	-0.8	0.1	2.4	-0.4	-1.7
-0.7	-3.0	2.8	-3.8	0.7	0.7	3.5	0.01	0.3	4.5	0.002	-3.1	-0.5	-2.9	2.1	-4.2	0.2
4.5	-3.1	-1.5	0.9	0.2	0.9	-0.4	0.3	-0.7	4.7	-4.1	-1.2	3.1	-2.6	-1.5	1.2	0.7
17.2	-24.6	-0.5	4.5	-2.6	2.1	6.9	4.3	-4.5	15.9	-10.1	0.2	15.8	-24.8	-1.9	7.0	-1.9
3.7	-5.3	-6.1	2.6	1.1	-1.3	-1.3	0.8	-0.5	7.8	-4.3	0.9	2.6	-3.9	-7.1	2.4	1.8
0.5	9.7	-4.9	0.4	2.8	3.9	-1.3	2.4	-3.6	15.4	-15.1	-6.1	1.7	8.4	-5.3	0.9	2.2
2.3	2.7	0.7	-0.4	0.2	1.5	-1.2	-0.8	0.3	0.2	-1.7	-2.2	0.6	3.0	1.6	-0.3	0.6
-0.3	-2.5	1.9	-1.7	-0.9	0.4	2.5	0.3	0.5	7.3	-0.3	-2.6	0.3	-1.0	0.3	-1.5	-0.7
1.7	-0.1	3.5	-0.4	-0.3	0.3	3.6	-0.1	1.2	3.3	-3.6	-3.3	2.3	0.3	0.6	-0.7	0.1
-1.2	-3.8	-0.1	-2.9	-2.9	-0.5	2.1	0.1	0.2	11.1	2.8	-3.5	-0.5	-1.2	-2.1	-2.2	-1.6
-1.1	-3.5	2.1	-1.9	0.0	1.2	2.0	0.8	0.2	7.9	0.2	-1.4	-0.5	-1.7	1.9	-1.6	-0.7
-2.0	-2.2	2.3	-0.6	-4.2	1.6	2.5	-0.6	-0.3	10.3	-7.6	-0.1	-2.1	-3.0	3.5	1.6	-3.4
-1.6	-1.1	1.7	-0.9	-5.7	1.5	3.5	-0.6	0.3	11.1	-9.2	0.6	-2.0	-2.7	3.5	2.1	-5.2
-2.8	-8.9	9.4	1.8	0.2	1.2	-1.0	-2.0	-3.2	7.4	-2.7	-2.1	-0.6	-5.5	10.0	1.1	0.4
-3.6	-2.1	-0.7	-0.9	-0.7	2.6	1.0	0.9	-0.5	8.7	-3.5	-1.7	-3.9	-2.2	-2.0	-0.6	2.2
-0.4	0.8	1.4	-1.7	-1.8	0.4	0.8	0.8	0.4	7.8	-7.4	0.9	-0.5	2.6	0.5	-1.6	-1.2
-2.5	3.9	1.9	-0.02	-3.0	1.1	0.2	0.6	-0.3	10.0	-10.0	1.1	-3.8	6.4	1.2	-0.9	-2.3
5.4	-4.8	1.5	-3.5	-0.5	-2.3	3.0	2.1	-0.8	2.0	0.6	0.7	5.9	-3.8	1.8	-2.6	-0.2
0.1	-2.8	4.3	-2.7	0.1	1.8	1.1	0.5	-0.1	9.9	-11.6	1.1	2.0	-0.3	0.5	-1.4	2.0
-0.3	1.8	-2.4	-3.7	-1.5	-0.3	0.2	0.5	3.8	4.9	-2.8	0.6	0.1	1.5	-2.4	-3.0	-1.9
0.1	-1.9	1.0	-0.6	-1.5	0.9	1.7	0.1	0.04	7.3	-4.5	-1.3	-0.2	-1.4	1.0	0.1	-0.9

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan
Table : Sales Value of Manufacturing Sector by Group

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023		
				Q1	Q2	Q3
101	Pemprosesan dan pengawetan daging	8,809	9,315	2,269	2,393	2,327
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	5,714	6,056	1,450	1,487	1,552
10201	Pengetinan ikan, krustasea dan moluska					
&						
10202	Pemprosesan dan pengawetan ikan, krustasea dan moluska	5,391	5,670	1,357	1,392	1,458
	Industri lain	323	386	93	94	94
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	1,808	2,368	517	600	620
10303	Pengetinan nanas					
&						
10304	Pembuatan jem, marmalad dan sajian jeli	357	564	113	145	150
	Industri lain	1,451	1,804	404	455	470
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	190,130	168,839	39,293	39,599	42,807
10404	Pembuatan minyak sayuran mentah dan bertapis					
&						
10406	Pembuatan sebatian lemak masakan	20,492	20,650	4,976	5,227	5,286
10405	Pembuatan minyak kelapa	1,536	1,231	315	271	307
	Industri lain	168,102	146,958	34,003	34,101	37,214
105	Pembuatan produk tenusu	12,117	12,107	3,056	3,180	2,933
10502	Pembuatan susu pekat, tepung dan sejat	11,313	11,271	2,871	2,982	2,707
	Industri lain	804	836	184	199	226
106	Pembuatan produk bijian, kanji dan produk berkanji	10,613	11,151	2,757	2,802	2,767
10611	Pengilangan beras	5,201	5,367	1,340	1,388	1,321
10613	Pengilangan tepung	5,075	5,460	1,334	1,337	1,366
	Industri lain	336	324	83	77	79
107	Pembuatan produk makanan lain	58,413	63,250	14,981	15,669	15,954
10711	Pembuatan biskut dan cookies	3,287	4,043	839	952	1,060
10712	Pembuatan roti, kek dan produk bakeri lain	12,482	13,821	3,403	3,608	3,495
10713	Pembuatan produk snek	2,830	3,309	698	797	859
10721	Pembuatan gula	5,200	6,114	1,271	1,475	1,609
10731	Pembuatan produk koko	3,402	3,612	903	869	887
10732	Pembuatan coklat dan produk coklat					
&						
10733	Pembuatan konfeksi gula	14,094	13,784	3,441	3,448	3,365
10793	Pembuatan sos dan bahan perasa	2,267	2,437	569	575	621
10799	Pembuatan produk makanan lain t.t.t.l.	6,300	6,636	1,610	1,582	1,631
	Industri lain	8,552	9,493	2,247	2,364	2,427
108/ 10800	Pembuatan makanan haiwan tersedia	16,492	19,358	4,349	4,993	5,139
110	Pembuatan minuman ringan	12,717	13,055	3,204	3,131	3,284
11041	Pembuatan minuman ringan	6,725	7,141	1,695	1,676	1,839
11042	Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	1,350	1,400	334	345	372
	Industri lain	4,643	4,514	1,174	1,111	1,073
120/ 12000	Pembuatan produk tembakau	3,410	4,010	1,196	996	807
131	Pemintalan, penenunan dan penyiapan tekstil	6,520	5,716	1,481	1,486	1,383
13110	Penyediaan dan pemintalan gentian tekstil					
&						
13120	Penenunan tekstil	4,842	4,266	1,147	1,138	1,012
13132	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	1,625	1,413	324	338	362
	Industri lain	53	37	11	9	9
139	Pembuatan tekstil lain	5,132	5,688	1,415	1,380	1,387
13910	Pembuatan fabrik dikait dan dikrusye	2,306	2,264	584	569	546
	Industri lain	2,825	3,424	831	811	841
141	Pembuatan pakaian, kecuali pakaian berbulu	8,945	9,388	2,410	2,263	2,276
14102	Pembuatan pakaian	7,847	8,293	2,096	2,009	2,029
	Industri lain	1,098	1,095	314	254	247
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	408	485	123	111	115
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	1,857	1,997	508	439	466
152	Pembuatan kasut	781	879	215	210	215
15201	Pembuatan kasut kulit					
&						
15203	Pembuatan kasut getah	498	578	138	135	143
	Industri lain	282	301	77	75	72
161/ 16100	Pengilangan dan pengetaman kayu	6,672	6,495	1,965	1,378	1,458

2024			2023	2024	Group Description/Period
Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	
2,326	2,401	2,478	5,423	5,687	Processing and preserving of meat
1,568	1,496	1,498	3,457	3,488	Processing and preserving of fish, crustaceans and molluscs
1,463	1,391	1,392	3,240	3,242	Canning of fish, crustaceans and molluscs
105	105	106	216	245	Processing, curing and preserving of fish, crustacean and molluscs
630	640	664	1,321	1,526	Other industry
156	154	157	308	364	Processing and preserving of fruits and vegetable
474	486	507	1,013	1,162	Pineapple canning
47,140	39,213	43,322	91,759	98,426	Manufacture of jams, marmalades and table jellies
5,162	5,065	4,709	11,874	11,490	Other industry
338	369	371	681	892	Manufacture of vegetable and animal oils and fats
41,640	33,779	38,243	79,204	86,045	Manufacture of crude and refined vegetable oil
2,938	2,855	2,912	7,187	6,717	Manufacture of compound cooking fats
2,710	2,621	2,641	6,733	6,113	Manufacture of coconut oil
227	234	272	454	604	Other industry
2,824	2,927	3,103	6,450	7,042	Manufacture of dairy products
1,317	1,382	1,527	3,155	3,411	Manufacture of condensed, powdered and evaporated milk
1,423	1,455	1,485	3,109	3,423	Other industry
84	89	91	186	207	Manufacture of grain mill products, starches and starch products
16,646	16,626	17,557	35,801	39,958	Manufacture of grain mill products
1,193	1,075	1,127	2,142	2,603	Rice milling
3,315	3,430	3,628	8,192	8,279	Flour milling
955	988	1,091	1,759	2,440	Other industry
1,759	1,626	1,731	3,253	3,926	Manufacture of other food products
953	1,109	1,346	2,068	2,900	Manufacture of biscuits and cookies
3,531	3,540	3,720	7,960	8,429	Manufacture of bread, cakes and other bakery products
672	666	706	1,334	1,584	Manufacture of snack products
1,813	1,680	1,609	3,690	3,809	Manufacture of sugar
2,455	2,513	2,598	5,403	5,988	Manufacture of cocoa products
4,876	4,704	4,944	11,054	11,293	Manufacture of chocolate and chocolate products
3,436	3,399	3,387	7,400	7,950	Manufacture of sugar confectionery
1,931	1,885	1,889	4,004	4,463	Manufacture of sauces and condiments
349	341	345	798	810	Manufacture of other food products n.e.c.
1,156	1,174	1,153	2,598	2,677	Other industry
1,010	1,307	1,114	2,450	2,728	Manufacture of prepared animal feeds
1,365	1,480	1,587	3,436	3,572	Manufacture of beverages
968	1,077	1,152	2,637	2,597	Manufacture of soft drinks
389	395	428	777	957	Production of natural mineral waters and other bottled waters
8	9	7	23	19	Other industry
1,506	1,637	1,577	3,251	3,739	Manufacture of tobacco products
565	617	603	1,334	1,423	Spinning, weaving and finishing of textiles
941	1,020	974	1,916	2,316	Preparation and spinning of textile fibres
2,439	2,506	2,312	5,447	5,660	Weaving of textiles
2,159	2,186	1,999	4,798	4,911	Dyeing, bleaching, printing and finishing of yarns and fabrics
280	321	313	649	749	Other industry
136	149	127	270	320	Manufacture of wearing apparel, except fur apparel
584	541	451	1,087	1,143	Manufacture of clothings
240	230	209	493	505	Other industry
163	156	138	318	339	Manufacture of articles of fur, knitted and crocheted apparel
77	74	72	176	167	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
1,694	1,798	1,307	3,724	3,460	Manufacture of footwear
					Manufacture of leather footwear
					Manufacture of rubber footwear
					Other industry
					Sawmilling and planning of wood

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : Sales Value of Manufacturing Sector by Group (cont.)

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023							
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
101	Pemprosesan dan pengawetan daging	733	772	765	802	803	789	760	782
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	512	457	481	466	524	496	520	514
10201 &	Pengetinan ikan, krustasea dan moluska	482	426	449	436	491	465	491	483
10202	Pemprosesan dan pengawetan ikan, krustasea dan moluska Industri lain	30	31	32	30	33	31	29	31
103	Pemprosesan dan pengawetan buah-buahan dansayur - sayuran	160	165	192	187	202	210	204	201
10303 &	Pengetinan nanas	34	36	43	41	49	55	50	48
10304	Pembuatan jem, marmalad dan sajian jeli Industri lain	126	129	149	147	153	155	154	153
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	13,900	13,145	12,248	12,871	13,339	13,388	12,867	13,984
10404 &	Pembuatan minyak sayuran mentah dan bertapis	1,582	1,687	1,707	1,711	1,821	1,695	1,671	1,780
10406	Pembuatan sebatian lemak masakan	119	103	93	82	103	86	95	105
10405	Pembuatan minyak kelapa Industri lain	12,199	11,355	10,449	11,078	11,415	11,607	11,100	12,098
105	Pembuatan produk tenusu	975	1,001	1,080	1,068	1,091	1,022	951	1,008
10502	Pembuatan susu pekat, tepung dan sejat Industri lain	908	943	1,020	1,007	1,023	952	880	933
		67	58	60	61	67	70	71	75
106	Pembuatan produk bijian, kanji dan produk berkanji	872	931	955	936	970	896	891	919
10611	Pengilangan beras	400	470	470	468	493	426	427	437
10613	Pengilangan tepung Industri lain	443	434	457	441	451	445	438	456
		29	27	27	26	26	25	26	25
107	Pembuatan produk makanan lain	4,918	4,979	5,084	4,976	5,442	5,252	5,151	5,362
10711	Pembuatan biskut dan cookies	265	286	288	288	333	331	351	353
10712	Pembuatan roti, kek dan produk bakeri lain	1,146	1,094	1,163	1,108	1,265	1,234	1,181	1,212
10713	Pembuatan produk snek	218	225	255	251	277	268	265	289
10721	Pembuatan gula	417	429	425	425	502	548	507	529
10731	Pembuatan produk koko	295	328	280	280	309	280	296	295
10732	Pembuatan coklat dan produk coklat &	1,156	1,136	1,148	1,136	1,214	1,098	1,071	1,135
10733	Pembuatan konfeksi gula	176	194	199	203	177	195	190	208
10793	Pembuatan sos dan bahan perasa	521	539	549	528	551	503	498	542
10799	Pembuatan produk makanan lain t.t.t.l. Industri lain	724	748	775	757	814	794	792	799
108/10800	Pembuatan makanan haiwan tersedia	1,400	1,432	1,518	1,616	1,698	1,680	1,712	1,711
110	Pembuatan minuman ringan	1,047	1,043	1,114	1,118	1,049	964	1,065	1,124
11041	Pembuatan minuman ringan	537	556	603	606	543	527	633	619
11042	Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan Industri lain	101	113	121	121	115	108	119	127
		410	374	390	391	391	329	313	377
120/12000	Pembuatan produk tembakau	394	349	452	359	376	262	258	286
131	Pemintalan, penenunan dan penyiapan tekstil	510	465	506	486	510	490	470	478
13110 &	Penyediaan dan pemintalan gentian tekstil	397	360	390	376	398	365	352	352
13120	Penenunan tekstil	110	101	113	107	109	122	115	123
13132	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik Industri lain	4	3	3	3	3	3	3	3
139	Pembuatan tekstil lain	473	473	469	459	459	462	455	462
13910	Pembuatan fabrik dikait dan dikrusye Industri lain	194	195	195	190	189	190	181	184
		279	278	274	269	270	272	274	278
141	Pembuatan pakaian, kecuali pakaian berbulu	800	806	804	761	769	733	774	746
14102	Pembuatan pakaian Industri lain	704	703	689	674	685	650	693	668
		97	102	115	87	84	83	81	78
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	39	41	42	37	37	37	36	35
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	171	165	173	151	151	137	140	154
152	Pembuatan kasut	74	69	72	73	70	67	69	75
15201 &	Pembuatan kasut kulit	49	44	46	46	45	44	45	50
15203	Pembuatan kasut getah Industri lain	25	25	27	26	25	23	24	25
161/16100	Pengilangan dan pengetaman kayu	618	631	716	560	452	366	382	555

2024											Group Description/Period
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
784	784	797	745	789	810	803	823	843	811	808	Processing and preserving of meat
518	534	526	508	531	474	491	495	506	497	494	Processing and preserving of fish, crustaceans and molluscs
483	500	490	473	495	439	458	463	470	459	459	Canning of fish, crustaceans and molluscs
34	34	35	35	36	35	34	32	37	37	35	Processing, curing and preserving of fish, crustacean and molluscs
215	212	215	204	221	206	214	218	226	220	222	Other industry
52	54	53	49	52	49	53	51	54	53	53	Processing and preserving of fruits and vegetable
163	158	161	155	169	156	161	167	173	167	169	Pineapple canning
15,956	16,104	15,540	15,496	15,661	11,973	11,579	13,939	14,540	14,843	15,891	Manufacture of jams, marmalades and table jellies
1,834	1,792	1,628	1,741	1,836	1,604	1,625	1,461	1,550	1,698	1,716	Other industry
107	117	100	121	120	127	122	108	129	134	152	Manufacture of vegetable and animal oils and fats
14,016	14,195	13,811	13,634	13,705	10,243	9,832	12,371	12,861	13,010	14,023	Manufacture of crude and refined vegetable oil
974	997	1,014	927	927	932	995	979	998	936	950	Manufacture of compound cooking fats
895	918	938	854	845	856	919	899	902	840	852	Manufacture of coconut oil
79	79	76	72	82	76	76	80	96	96	98	Other industry
957	953	944	927	981	917	1,029	1,013	1,058	1,032	1,012	Manufacture of dairy products
457	448	435	435	450	424	509	502	526	500	502	Manufacture of condensed, powdered and evaporated milk
472	477	482	465	501	465	490	480	502	502	483	Other industry
28	28	28	28	30	28	31	31	30	30	28	Manufacture of grain mill products, starches and starch products
5,441	5,530	5,633	5,483	5,573	5,383	5,670	5,714	6,063	5,780	5,775	Rice milling
356	384	410	399	368	334	373	372	378	377	401	Flour milling
1,103	1,110	1,111	1,094	1,173	1,103	1,155	1,203	1,236	1,189	1,221	Other industry
305	309	327	319	339	300	349	349	384	359	361	Manufacture of other food products
572	592	605	562	535	539	552	554	611	566	569	Manufacture of biscuits and cookies
296	321	320	313	370	375	364	386	491	469	445	Manufacture of bread, cakes and other bakery products
1,159	1,155	1,204	1,172	1,143	1,148	1,248	1,232	1,303	1,184	1,170	Manufacture of snack products
223	223	223	226	225	219	222	232	236	238	212	Manufacture of sugar
592	609	614	590	577	555	548	540	544	525	520	Manufacture of cocoa products
836	828	820	807	843	812	858	845	880	872	877	Manufacture of chocolate and chocolate products
1,717	1,729	1,668	1,479	1,538	1,521	1,646	1,632	1,711	1,602	1,645	Manufacture of sugar confectionery
1,095	1,231	1,117	1,089	1,115	1,091	1,193	1,196	1,113	1,077	1,164	Manufacture of sauces and condiments
587	685	616	630	628	592	665	680	606	602	690	Manufacture of other food products n.e.c.
126	123	117	109	109	114	118	120	113	112	124	Other industry
383	423	384	350	379	384	411	396	393	364	350	Manufacture of prepared animal feeds
263	350	338	322	410	407	490	399	411	305	308	Manufacture of beverages
435	444	458	463	519	476	485	508	560	519	505	Manufacture of soft drinks
308	310	325	333	375	341	361	379	396	377	368	Production of natural mineral waters and other bottled waters
124	131	131	127	141	132	121	126	162	139	134	Other industry
3	3	3	2	3	3	2	2	2	2	3	Manufacture of tobacco products
469	493	510	502	552	542	544	519	527	531	525	Spinning, weaving and finishing of textiles
180	187	191	188	206	205	206	201	200	202	203	Preparation and spinning of textile fibres
289	306	319	315	345	337	338	318	327	329	321	Weaving of textiles
756	786	845	809	850	785	870	795	789	728	842	Dyeing, bleaching, printing and finishing of yarns and fabrics
668	694	747	718	748	680	757	698	678	622	726	Other industry
89	91	98	91	102	105	113	97	110	106	116	Manufacture of other textiles
43	46	48	43	49	49	51	45	43	39	44	Manufacture of knitted and crocheted fabrics
172	190	206	187	182	176	184	156	153	142	151	Manufacture of wearing apparel, except fur apparel
71	77	81	81	82	74	74	71	69	69	66	Manufacture of clothings
48	52	55	55	56	49	51	46	45	47	45	Other industry
23	25	26	26	26	25	23	25	24	22	21	Manufacture of articles of fur, knitted and crocheted apparel
522	583	564	547	606	534	658	547	417	342	356	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
											Manufacture of footwear
											Manufacture of leather footwear
											Manufacture of rubber footwear
											Other industry
											Sawmilling and planning of wood

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan
Table : Sales Value of Manufacturing Sector by Group

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023		
				Q1	Q2	Q3
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	19,222	18,113	5,538	3,598	3,895
16211	Pembuatan kepingan venier dan papan lapis	9,087	9,198	2,846	1,779	1,939
16212	Pembuatan papan partikel dan papan gentian	5,885	5,112	1,543	1,046	1,110
16221	Pertukangan kayu untuk jurubina	2,156	2,034	621	394	449
	Industri lain	2,094	1,769	527	380	396
170	Pembuatan kertas dan produk kertas	28,260	29,883	7,561	7,377	7,381
17010	Pembuatan pulpa, kertas dan kertas tebal	5,903	5,677	1,471	1,339	1,387
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	10,746	10,374	2,688	2,527	2,531
17091	Pembuatan sampul surat dan kad surat	374	375	102	95	90
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	5,998	6,791	1,740	1,725	1,689
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	3,284	3,906	941	1,019	963
	Industri lain	1,955	2,760	618	672	722
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	13,709	14,526	3,812	3,452	3,457
18110	Percetakan	10,953	11,353	2,899	2,677	2,737
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan & Penerbitan semula media rakaman	2,756	3,172	913	776	720
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	249,901	224,749	55,680	56,542	58,478
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	74,078	68,175	18,784	16,292	16,825
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	2,036	1,706	529	385	367
20112 & 20113	Pembuatan kimia organik asas & Pembuatan sebatian bukan organik	38,698	34,217	9,870	7,970	8,360
20121 & 20129	Pembuatan baja & Pembuatan produk campuran nitrogen	5,859	4,778	1,417	1,241	1,108
20131	Pembuatan plastik dalam bentuk primer	21,813	22,266	5,553	5,399	5,713
	Industri lain	5,671	5,208	1,415	1,298	1,276
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	37,507	44,200	10,849	10,495	11,343
20210	Pembuatan racun perosak dan produk agrokimia lain	4,109	5,078	1,246	1,209	1,327
20221	Pembuatan cat, varnis dan penyadur dan mastik	10,181	13,718	3,126	3,314	3,611
20222	Pembuatan dakwat cetak	1,149	1,107	293	281	276
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilat & Pembuatan pewangi dan penyediaan dandanan diri	13,833	15,295	3,845	3,646	3,965
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials & Pembuatan dakwat menulis dan melukis	7,509	8,240	2,128	1,885	1,992
20299	Pembuatan produk kimia lain t.t.t.l.					
	Industri lain	726	762	210	161	171
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	10,181	10,708	2,702	2,629	2,714
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	8,413	8,789	2,218	2,186	2,206
	Industri lain	1,768	1,919	484	443	508
221	Pembuatan produk getah	65,736	59,737	14,721	16,387	14,416
22111	Pembuatan tayar getah untuk kenderaan	4,203	2,600	747	694	620
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	682	867	210	213	216
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan & Pengilangan semula getah dan prosesan susu getah	7,313	6,074	1,504	1,475	1,448
22192	Pembuatan sarung tangan getah	46,911	44,199	10,824	12,555	10,591
22199	Pembuatan produk getah lain yang t.t.t.l.	6,626	5,997	1,436	1,449	1,541
222	Pembuatan produk plastik	61,804	61,440	14,170	15,832	15,778
22201 & 22202	Pembuatan produk plastik separa siap & Pembuatan produk plastik siap	16,740	15,859	3,823	4,204	3,996
22203	Pembuatan artikel plastik untuk pembungkusan barangan	21,473	21,068	4,817	5,424	5,431
22204	Pembuatan barangan plastik jurubina	2,163	3,053	622	760	839
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	7,037	7,594	1,718	2,136	1,970
22209	Pembuatan pelbagai produk plastik t.t.t.l.	14,390	13,866	3,190	3,308	3,542
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	5,410	5,230	1,412	1,304	1,212

2024		2023		2024	Group Description/Period
Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	
5,082	5,611	3,835	10,106	10,568	Manufacture of products of wood, cork, straw and plaiting materials
2,634	2,923	1,899	5,084	5,337	Manufacture of veneer sheets and plywood
1,413	1,559	1,095	2,871	2,990	Manufacture of particle board and fibreboard
570	621	423	1,137	1,182	Manufacture of builders' carpentry
465	508	418	1,013	1,058	Other industry
7,564	7,711	7,488	17,291	17,713	Manufacture of paper and paper products
1,479	1,494	1,472	3,228	3,486	Manufacture of pulp, paper and paperboard
2,629	2,459	2,423	6,021	5,759	Manufacture of corrugated paper and paperboard and containers of paper and paperboard
88	87	91	227	206	Manufacture of envelopes and letter-card
1,638	1,758	1,630	4,004	3,868	Manufacture of household and personal hygiene paper
983	1,098	1,027	2,287	2,419	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
748	814	844	1,523	1,975	Other industry
3,804	3,948	3,708	8,408	8,952	Printing, service activities related to printing and reproduction of recorded media
3,041	3,187	3,049	6,474	7,310	Printing
764	762	658	1,934	1,642	Service activities related to printing
					Reproduction of recorded media
54,050	48,509	52,490	130,819	120,482	Manufacture of refined petroleum products
16,274	17,271	16,835	40,480	39,895	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
424	449	509	1,042	1,145	Manufacture of liquefied or compressed inorganic industrial or medical gases
8,018	8,901	8,711	20,485	20,566	Manufacture of basic organic chemicals
					Manufacture of inorganic compounds
					Manufacture of fertilizers
1,013	910	932	3,006	2,136	Manufacture of associated nitrogen products
5,600	5,695	5,331	12,815	12,899	Manufacture of plastics in primary forms
1,220	1,317	1,353	3,131	3,150	Other industry
11,514	12,324	11,473	25,008	27,719	Manufacture of other chemical products and man-made fibres
1,295	1,297	1,177	2,890	2,863	Manufacture of pesticides and other agrochemical products
3,668	4,315	3,918	7,583	9,524	Manufacture of paints, varnishes and similar coatings ink and mastics
257	314	296	670	717	Manufacture of printing ink
3,838	4,062	3,723	8,795	9,119	Manufacture of soap and detergents, cleaning and polishing preparations
					Manufacture of perfumes and toilet preparations
					Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
2,235	2,152	2,210	4,640	5,106	Manufacture of writing and drawing ink
					Manufacture of other chemical products n.e.c.
221	184	148	431	391	Other industry
2,663	2,848	2,807	6,216	6,616	Manufacture of pharmaceuticals, medicinal chemical and botanical products
2,180	2,324	2,332	5,121	5,438	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
484	524	474	1,094	1,178	Other industry
14,213	15,366	17,305	36,199	38,275	Manufacture of rubber products
540	512	605	1,665	1,315	Manufacture of rubber tyres for vehicles
228	220	226	491	528	Manufacture of interchangeable tyre treads and retreading rubber tyres
1,647	1,609	1,652	3,475	3,859	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
10,229	11,433	13,203	27,161	28,801	Rubber remilling and latex processing
1,570	1,591	1,619	3,408	3,773	Manufacture of rubber gloves
15,660	14,931	16,804	35,288	37,337	Manufacture of other rubber products n.e.c.
3,836	3,724	4,109	9,385	9,172	Manufacture of plastics products
					Manufacture of semi-manufactures of plastic products
					Manufacture of finished plastic products
5,395	5,141	6,051	12,083	13,234	Manufacture of plastic articles for the packing of goods
832	768	812	1,658	1,880	Manufacture of builders' plastics ware
1,770	1,683	1,994	4,530	4,375	Manufacture of plastic tableware, kitchenware and toilet articles
3,826	3,616	3,839	7,632	8,676	Manufacture of diverse plastic products n.e.c.
1,303	1,477	1,352	3,134	3,306	Manufacture of glass and glass products

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : Sales Value of Manufacturing Sector by Group (cont.)

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023							
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	1,862	1,784	1,891	1,466	1,159	972	970	1,370
16211	Pembuatan kepingan venier dan papan lapis	960	917	969	741	569	468	460	672
16212	Pembuatan papan partikel dan papan gentian	505	498	540	419	344	282	282	386
16221	Pertukangan kayu untuk jurubina	221	196	203	156	125	114	122	168
	Industri lain	176	173	179	151	121	108	106	144
170	Pembuatan kertas dan produk kertas	2,418	2,505	2,639	2,584	2,437	2,356	2,354	2,495
17010	Pembuatan pulpa, kertas dan kertas tebal	498	512	461	458	467	414	417	478
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	868	878	942	888	845	794	806	839
17091	Pembuatan sampul surat dan kad surat	36	31	35	33	31	31	30	30
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	540	566	634	616	566	543	540	587
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	282	309	350	369	298	351	327	317
	Industri lain	193	209	216	219	230	223	233	244
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	1,262	1,284	1,266	1,189	1,132	1,131	1,143	1,148
18110	Percetakan	948	969	982	923	875	879	899	904
18120 &	Aktiviti perkhidmatan berkaitan percetakan	314	315	284	266	257	252	245	244
18200	Penerbitan semula media rakaman								
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	21,738	16,662	17,279	18,063	19,413	19,065	18,598	20,301
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	6,184	6,168	6,432	5,444	5,510	5,338	5,404	5,980
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	198	177	154	132	137	116	128	124
20112 &	Pembuatan kimia organik asas	3,255	3,264	3,351	2,778	2,602	2,590	2,646	3,017
20113	Pembuatan sebatian bukan organik								
20121 &	Pembuatan baja	485	455	477	425	463	353	349	402
20129	Pembuatan produk campuran nitrogen	1,774	1,804	1,975	1,676	1,874	1,850	1,863	1,987
20131	Pembuatan plastik dalam bentuk primer	473	468	474	434	435	429	419	451
	Industri lain								
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	3,618	3,460	3,771	3,282	3,591	3,622	3,665	3,860
20210	Pembuatan racun perosak dan produk agrokimia lain	435	389	423	394	378	436	435	452
20221	Pembuatan cat, varnis dan penyadur dan mastik	982	984	1,160	999	1,153	1,163	1,143	1,250
20222	Pembuatan dakwat cetak	101	96	96	90	95	95	96	95
20231 &	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	1,245	1,244	1,357	1,120	1,270	1,255	1,305	1,377
20232	Pembuatan pewangi dan penyediaan dandanan diri								
20291 &	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	785	681	662	618	643	624	627	641
20292 &	Pembuatan dakwat menulis dan melukis								
20299	Pembuatan produk kimia lain t.t.t.l.	71	66	72	60	53	48	60	45
	Industri lain								
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	875	885	942	898	821	910	885	905
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan	719	725	774	756	682	748	717	737
	Industri lain	156	159	168	142	139	162	167	168
221	Pembuatan produk getah	4,562	4,251	5,907	5,670	5,446	5,270	5,092	4,577
22111	Pembuatan tayar getah untuk kenderaan	254	239	254	226	239	229	224	201
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	61	71	78	68	73	72	68	70
22191 &	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	509	463	531	490	497	488	496	473
22193	Pengilangan semula getah dan prosesan susu getah								
22192	Pembuatan sarung tangan getah	3,259	3,024	4,542	4,403	4,167	3,984	3,782	3,332
22199	Pembuatan produk getah lain yang t.t.t.l.	479	454	503	483	470	497	522	501
222	Pembuatan produk plastik	4,539	4,530	5,101	5,306	5,533	4,993	5,287	5,263
22201 &	Pembuatan produk plastik separa siap	1,210	1,240	1,373	1,371	1,464	1,368	1,358	1,302
22202	Pembuatan produk plastik siap								
22203	Pembuatan artikel plastik untuk pembungkusan barangan	1,565	1,555	1,698	1,799	1,921	1,703	1,842	1,803
22204	Pembuatan barangan plastik jurubina	162	201	260	254	264	241	276	279
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	560	507	651	721	714	702	676	664
22209	Pembuatan pelbagai produk plastik t.t.t.l.	1,043	1,028	1,120	1,161	1,169	978	1,134	1,215
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	474	454	484	447	445	412	419	417

2024											Group Description/Period
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
1,555	1,728	1,697	1,657	1,876	1,757	1,978	1,550	1,221	1,064	1,122	Manufacture of products of wood, cork, straw and plaiting materials
807	906	886	842	969	930	1,025	786	605	507	515	Manufacture of veneer sheets and plywood
442	470	465	477	531	470	558	436	352	306	337	Manufacture of particle board and fibreboard
159	196	193	181	201	201	219	168	133	123	138	Manufacture of builders' carpentry
146	156	153	157	175	157	176	160	130	127	133	Other industry
2,533	2,531	2,534	2,499	2,579	2,537	2,595	2,612	2,456	2,420	2,513	Manufacture of paper and paper products
492	502	488	489	507	519	469	479	491	502	520	Manufacture of pulp, paper and paperboard
886	889	879	861	863	762	834	832	783	809	876	Manufacture of corrugated paper and paperboard and containers of paper and paperboard
30	30	29	29	30	28	29	33	30	29	27	Manufacture of envelopes and letter-card
562	540	559	539	555	574	628	612	549	470	480	Manufacture of household and personal hygiene paper
319	327	323	333	352	388	358	390	315	322	294	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
245	242	255	250	272	266	276	268	288	289	316	Other industry
1,165	1,151	1,341	1,312	1,321	1,316	1,310	1,279	1,199	1,229	1,296	Printing, service activities related to printing and reproduction of recorded media
934	910	1,081	1,050	1,059	1,056	1,071	1,046	983	1,020	1,074	Printing
231	242	260	262	262	260	239	233	217	208	222	Service activities related to printing
											Reproduction of recorded media
19,579	19,927	18,597	15,525	17,176	15,204	16,129	17,118	16,001	19,370	19,483	Manufacture of refined petroleum products
5,440	5,289	5,472	5,513	5,877	5,607	5,788	5,805	5,590	5,440	5,788	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
115	126	156	143	144	143	162	169	172	168	188	Manufacture of liquefied or compressed inorganic industrial or medical gases
											Manufacture of basic organic chemicals
2,697	2,494	2,724	2,799	3,011	2,939	2,950	3,166	2,908	2,637	2,954	Manufacture of inorganic compounds
											Manufacture of fertilizers
357	359	339	315	290	272	348	309	307	316	294	Manufacture of associated nitrogen products
1,863	1,889	1,856	1,855	1,962	1,829	1,903	1,714	1,749	1,868	1,873	Manufacture of plastics in primary forms
407	422	396	401	470	423	424	447	454	451	480	Other industry
3,818	3,789	3,826	3,899	4,446	3,772	4,106	3,788	3,860	3,825	3,922	Manufacture of other chemical products and man-made fibres
441	463	432	400	448	436	413	388	389	400	388	Manufacture of pesticides and other agrochemical products
1,218	1,195	1,189	1,284	1,515	1,285	1,514	1,328	1,322	1,268	1,291	Manufacture of paints, varnishes and similar coatings ink and mastics
85	77	91	89	110	98	107	107	100	89	107	Manufacture of printing ink
											Manufacture of soap and detergents, cleaning and polishing preparations
1,284	1,246	1,282	1,310	1,539	1,231	1,292	1,199	1,246	1,278	1,334	Manufacture of perfumes and toilet preparations
											Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
725	742	758	735	768	663	721	720	752	738	744	Manufacture of writing and drawing ink
											Manufacture of other chemical products n.e.c.
66	66	75	80	65	59	59	46	51	52	59	Other industry
925	933	871	859	904	942	1,001	965	846	996	962	Manufacture of pharmaceuticals, medicinal chemical and botanical products
752	756	720	703	730	768	826	814	698	820	782	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
173	176	152	155	174	175	175	151	148	176	180	Other industry
4,748	4,914	4,733	4,566	4,890	4,468	6,007	6,041	5,728	5,536	5,605	Manufacture of rubber products
195	203	170	167	177	165	171	185	215	204	198	Manufacture of rubber tyres for vehicles
78	79	77	72	75	68	77	72	77	77	82	Manufacture of interchangeable tyre treads and retreading rubber tyres
											Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
479	542	553	552	552	492	564	560	559	533	598	Rubber remilling and latex processing
3,478	3,569	3,412	3,248	3,527	3,248	4,658	4,696	4,352	4,155	4,164	Manufacture of rubber gloves
518	522	521	527	559	495	537	529	525	566	562	Manufacture of other rubber products n.e.c.
5,229	5,212	5,265	5,183	4,937	4,742	5,252	5,749	5,823	5,232	5,602	Manufacture of plastics products
											Manufacture of semi-manufactures of plastic products
1,336	1,310	1,264	1,262	1,234	1,161	1,329	1,375	1,420	1,314	1,339	Manufacture of finished plastic products
1,786	1,786	1,838	1,771	1,680	1,657	1,804	2,039	2,125	1,887	2,043	Manufacture of plastic articles for the packing of goods
284	279	294	259	248	241	279	271	281	261	301	Manufacture of builders' plastics ware
631	634	562	573	564	527	592	692	664	637	698	Manufacture of plastic tableware, kitchenware and toilet articles
1,193	1,202	1,308	1,317	1,212	1,156	1,248	1,372	1,333	1,133	1,221	Manufacture of diverse plastic products n.e.c.
376	386	449	467	506	486	485	469	453	430	477	Manufacture of glass and glass products

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan
Table : Sales Value of Manufacturing Sector by Group

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023		
				Q1	Q2	Q3
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	43,875	47,547	12,693	11,322	11,373
23911	Pembuatan mortar refraktori dan konkrit					
&						
23921	Pembuatan seramik bukan refraktori	2,277	2,458	629	588	602
23930	Pembuatan produk porselin dan seramik lain	1,089	1,012	262	243	246
23941	Pembuatan simen hidrolik	10,925	12,283	3,383	2,970	2,873
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	8,191	8,934	2,404	2,138	2,148
23952	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;					
&	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan					
23953		15,461	16,587	4,325	3,901	4,011
&						
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.					
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	4,414	4,620	1,242	1,062	1,102
	Industri lain	1,518	1,653	449	419	391
241						
(24101 &						
24102 &						
24103 &						
24104 &						
24109)						
242						
(24201 &						
24202 &						
24209)						
243	Pengacuan logam	620	667	157	166	168
251 &						
252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	28,731	32,069	8,155	8,090	7,579
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan					
&	pintu pagar daripada logam					
25119	Pembuatan produk struktur logam lain	20,096	22,561	5,823	5,770	5,266
25120	Pembuatan tangki, takungan dan kontena daripada logam	7,862	8,681	2,106	2,113	2,113
	Industri lain	773	827	226	207	200
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	35,818	38,167	9,607	9,275	9,153
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	5,194	5,470	1,347	1,350	1,370
25920	Rawatan dan penyalutan logam; menggunakan mesin	3,556	4,010	1,117	942	881
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	5,846	6,221	1,467	1,461	1,563
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam					
&		12,166	11,949	3,078	2,970	2,814
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya					
25994	Pembuatan barangan rumah daripada logam	260	294	73	72	73
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	7,898	8,930	2,217	2,176	2,125
	Industri lain	899	1,293	308	305	327
261	Pembuatan komponen dan papan elektronik	346,163	354,760	91,403	86,283	92,043
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya					
&		206,533	200,443	51,831	47,614	53,011
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro					
26103	Pembuatan kapasitor dan perintang elektrik					
&						
26104	Pembuatan papan litar bercetak	128,538	139,308	36,755	35,195	34,826
&						
26105	Pembuatan komponen paparan					
26109	Pembuatan komponen lain untuk aplikasi elektronik	11,092	15,010	2,817	3,475	4,205
262						
(26201 &						
26202)						
263/						
26300	Pembuatan peralatan komunikasi	14,515	20,566	4,038	5,251	6,011
264/						
26400	Pembuatan peralatan elektronik pengguna	42,850	42,208	9,986	9,727	11,729
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	18,336	18,911	4,552	3,959	4,897
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	16,116	16,835	4,103	3,521	4,315
&						
26512	Pembuatan kelengkapan kawalan proses perindustrian					
26520	Pembuatan jam tangan dan jam dan bahagiannya	2,220	2,076	448	438	582
266/						
26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	5,147	5,382	1,273	1,203	1,334

(RM Juta/Million)

					(RM Jutaan)
2024		2023		2024	Group Description/Period
Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	
12,159	13,691	12,279	27,733	30,075	Manufacture of non-metallic mineral products n.e.c.
					Manufacture of refractory mortars and concretes
639	661	588	1,404	1,442	Manufacture of non-refractory ceramic
261	226	240	588	555	Manufacture of other porcelain and ceramic products
3,057	3,473	3,086	7,314	7,555	Manufacture of hydraulic cement
2,243	2,529	2,229	5,263	5,508	Manufacture of ready-mix and dry-mix concrete and mortars
					Manufacture of precast concrete, cement or artificial stone articles for use in construction
4,349	5,066	4,501	9,521	11,068	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
					Manufacture of other articles of concrete, cement and plaster n.e.c.
1,214	1,331	1,273	2,648	3,047	Manufacture of other non-metallic mineral products n.e.c.
395	405	362	995	901	Other industry
8,748	8,906	7,470	16,999	18,570	Manufacture of basic iron and steel
6,986	6,795	6,075	13,714	14,524	Manufacture of basic precious and other non-ferrous metals
177	188	187	372	428	Casting of metals
8,244	9,084	8,805	18,760	20,408	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
					Manufacture of metal doors, windows and their frames, shutters and gates
5,702	6,415	6,222	13,295	14,428	Manufacture of other structural metal products
2,349	2,478	2,415	4,961	5,566	Manufacture of tanks, reservoirs and containers of metal
193	191	168	503	414	Other industry
10,132	10,928	10,898	21,884	25,307	Manufacture of other fabricated metal products; metal working service activities
1,404	1,385	1,393	3,150	3,247	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
1,070	1,379	1,564	2,362	3,415	Treatment and coating of metals; machining
1,730	1,848	1,713	3,419	4,066	Manufacture of tins and cans for food products, collapsible tubes and boxes
					Manufacture of metal cable, plaited bands and similar articles
3,086	3,469	3,465	6,991	8,005	Manufacture of bolts, screws, nuts and similar threaded products
76	81	81	170	188	Manufacture of metal household articles
2,412	2,402	2,304	5,076	5,509	Manufacture of any other fabricated metal products n.e.c.
353	364	377	716	877	Other industry
85,031	89,828	89,022	206,346	208,116	Manufacture of electronic components and boards
					Manufacture of diodes, transistors and similar semiconductor devices
47,987	50,810	50,653	116,331	118,708	Manufacture of electronic integrated circuits micro assemblies
					Manufacture of electrical capacitors and resistors
32,532	33,996	33,235	82,495	77,486	Manufacture of printed circuit boards
					Manufacture of display components
4,513	5,021	5,134	7,520	11,922	Manufacture of other components for electronic applications
12,372	15,321	19,073	31,665	40,516	Manufacture of computers and peripheral equipment
5,266	5,349	6,578	10,974	14,148	Manufacture of communication equipment
10,766	9,668	10,287	23,276	23,900	Manufacture of consumer electronics
5,503	5,135	5,077	9,992	12,058	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
4,895	4,648	4,640	8,915	10,967	Manufacture of measuring, testing, navigating and control equipment
					Manufacture of industrial process control equipment
608	487	437	1,077	1,091	Manufacture of watches and clocks and parts
1,572	1,598	1,321	2,879	3,331	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : Sales Value of Manufacturing Sector by Group (cont.)

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023							
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	4,113	4,221	4,359	3,934	3,686	3,702	3,719	3,816
23911	Pembuatan mortar refraktori dan konkrit								
&									
23921	Pembuatan seramik bukan refraktori	202	210	217	198	198	193	187	195
23930	Pembuatan produk porselin dan seramik lain	93	88	81	81	83	80	83	85
23941	Pembuatan simen hidraulik	1,109	1,113	1,161	1,061	951	957	962	967
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	782	802	820	718	709	711	721	722
23952	Pembuatan konkrit pratuangan, simen atau artikel batu								
&	buatan yang digunakan dalam pembinaan;								
23953	Pembuatan komponen struktur pasang siap untuk bangunan	1,393	1,437	1,495	1,359	1,256	1,286	1,295	1,350
&	atau kejuruteraan awam dari simen, batu atau konkrit buatan								
	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.								
23959									
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	387	428	427	373	350	340	344	370
	Industri lain	148	144	157	144	140	135	127	127
241									
(24101 &									
24102 &									
24103 &	Pembuatan besi dan keluli asas	2,654	2,742	2,912	2,441	2,174	2,104	1,972	2,336
24104 &									
24109)									
242									
(24201 &									
24202 &	Pembuatan logam asas berharga dan logam bukan ferus lain	2,236	2,255	2,327	2,241	1,853	1,438	1,362	1,785
24209)									
243	Pengacuan logam	52	51	54	55	54	57	49	58
251 &									
252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	2,817	2,584	2,753	2,729	2,673	2,688	2,515	2,534
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan								
&	pintu pagar daripada logam								
25119	Pembuatan produk struktur logam lain	1,991	1,891	1,941	1,935	1,927	1,908	1,702	1,794
25120	Pembuatan tangki, takungan dan kontena daripada logam	749	620	736	725	677	711	743	672
	Industri lain	77	73	76	68	69	70	70	68
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	3,238	3,256	3,114	3,201	3,058	3,016	3,002	3,058
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	451	439	457	455	445	450	454	469
25920	Rawatan dan penyalutan logam; menggunakan mesin	405	389	324	329	305	307	304	275
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	487	494	487	482	488	491	492	533
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam								
&									
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	1,029	1,050	1,000	994	998	978	943	935
25994	Pembuatan barangan rumah daripada logam	25	24	24	25	24	23	25	24
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	741	759	717	808	695	673	683	709
	Industri lain	101	101	106	108	102	95	104	112
261	Pembuatan komponen dan papan elektronik	26,192	30,366	34,845	27,463	27,561	31,258	28,660	30,278
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya								
&									
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	15,208	16,733	19,891	14,665	15,171	17,778	16,886	17,406
26103	Pembuatan kapasitor dan perintang elektrik								
&									
26104	Pembuatan papan litar bercetak	10,127	12,740	13,888	11,764	11,262	12,169	10,545	11,564
&									
26105	Pembuatan komponen paparan								
26109	Pembuatan komponen lain untuk aplikasi elektronik	858	894	1,065	1,035	1,129	1,311	1,228	1,307
262									
(26201 &									
26202)	Pembuatan komputer dan kelengkapan peranti	4,127	4,527	4,168	5,447	4,606	4,428	4,360	4,587
263/									
26300	Pembuatan peralatan komunikasi	1,190	1,242	1,605	1,591	1,652	2,008	1,685	1,958
264/									
26400	Pembuatan peralatan elektronik pengguna	3,048	3,165	3,773	3,177	3,240	3,310	3,563	3,814
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	1,600	1,370	1,582	1,195	1,274	1,490	1,482	1,557
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	1,440	1,231	1,433	1,062	1,135	1,324	1,291	1,368
&									
26512	Pembuatan kelengkapan kawalan proses perindustrian								
26520	Pembuatan jam tangan dan jam dan bahagiannya	161	139	149	133	139	166	191	189
266/									
26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	398	407	468	389	383	430	403	469

2024											Group Description/Period
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
3,839	3,728	4,164	4,267	4,634	4,383	4,673	4,335	3,982	3,963	4,105	Manufacture of non-metallic mineral products n.e.c.
											Manufacture of refractory mortars and concretes
219	207	219	213	229	213	219	200	198	190	193	Manufacture of non-refractory ceramic
79	85	89	87	79	76	72	79	80	82	88	Manufacture of other porcelain and ceramic products
944	942	1,065	1,050	1,139	1,114	1,219	1,119	985	982	996	Manufacture of hydraulic cement
706	677	769	797	853	809	867	793	718	718	750	Manufacture of ready-mix and dry-mix concrete and mortars
											Manufacture of precast concrete, cement or artificial stone articles for use in construction
1,366	1,306	1,471	1,572	1,769	1,602	1,695	1,600	1,430	1,471	1,502	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
											Manufacture of other articles of concrete, cement and plaster n.e.c.
388	380	418	415	424	432	475	414	451	408	443	Manufacture of other non-metallic mineral products n.e.c.
136	130	132	133	141	139	126	129	121	112	133	Other industry
2,893	2,844	3,010	2,894	2,810	2,959	3,136	2,799	2,413	2,259	2,193	Manufacture of basic iron and steel
2,328	2,368	2,304	2,314	2,265	2,183	2,346	2,356	1,991	1,728	1,654	Manufacture of basic precious and other non-ferrous metals
60	61	58	57	65	60	64	70	61	56	53	Casting of metals
2,530	2,556	2,726	2,963	3,111	2,958	3,015	3,050	2,811	2,944	2,518	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
											Manufacture of metal doors, windows and their frames, shutters and gates
1,771	1,742	1,879	2,081	2,219	2,105	2,092	2,142	2,017	2,063	1,791	Manufacture of other structural metal products
697	752	781	816	825	791	862	851	738	827	673	Manufacture of tanks, reservoirs and containers of metal
62	62	66	65	67	62	62	58	57	54	55	Other industry
3,093	3,234	3,287	3,611	3,690	3,413	3,825	3,888	3,477	3,533	3,482	Manufacture of other fabricated metal products; metal working service activities
											Forging, pressing, stamping and roll-forming of metal; powder metallurgy
447	468	466	470	471	450	464	477	454	462	469	Treatment and coating of metals; machining
302	333	329	408	428	416	534	527	478	558	472	Manufacture of tins and cans for food products, collapsible tubes and boxes
538	544	553	633	641	573	633	631	556	527	505	Manufacture of metal cable, plaited bands and similar articles
937	991	1,008	1,088	1,142	1,119	1,208	1,219	1,132	1,115	1,071	Manufacture of bolts, screws, nuts and similar threaded products
24	26	25	26	28	28	26	27	26	28	25	Manufacture of metal household articles
734	760	784	868	862	706	834	877	709	718	803	Manufacture of any other fabricated metal products n.e.c.
112	113	122	118	117	121	125	131	121	125	137	Other industry
33,106	30,059	27,813	27,159	25,596	29,355	34,876	26,838	30,066	32,119	29,266	Manufacture of electronic components and boards
											Manufacture of diodes, transistors and similar semiconductor devices
18,719	17,006	15,168	15,812	14,200	16,257	20,354	14,983	16,939	18,731	17,244	Manufacture of electronic integrated circuits micro assemblies
											Manufacture of electrical capacitors and resistors
12,717	11,482	11,167	9,882	9,728	11,457	12,810	10,429	11,259	11,547	10,256	Manufacture of printed circuit boards
											Manufacture of display components
1,670	1,571	1,477	1,465	1,668	1,641	1,713	1,426	1,867	1,841	1,766	Manufacture of other components for electronic applications
2,993	4,259	3,932	4,181	4,767	5,333	5,220	7,048	5,952	6,073	6,122	Manufacture of computers and peripheral equipment
2,368	1,664	1,679	1,924	1,691	1,717	1,940	1,719	2,415	2,444	2,220	Manufacture of communication equipment
4,352	3,792	3,746	3,229	3,075	3,155	3,439	2,871	3,588	3,827	3,945	Manufacture of consumer electronics
1,859	1,851	1,818	1,835	1,730	1,610	1,795	1,454	1,758	1,865	1,846	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
											Manufacture of measuring, testing, navigating and control equipment
1,657	1,642	1,614	1,639	1,559	1,456	1,632	1,315	1,608	1,716	1,680	Manufacture of industrial process control equipment
202	209	204	195	171	153	163	138	150	149	166	Manufacture of watches and clocks and parts
461	510	553	509	590	480	528	442	484	396	412	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual
Table

1.4a : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan
: Sales Value of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023		
				Q1	Q2	Q3
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	2,249	2,794	623	627	763
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	17,122	19,166	4,201	4,450	5,587
27101	Pembuatan motor elektrik, penjana dan transformer	5,476	5,224	1,169	1,159	1,533
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	11,645	13,941	3,032	3,291	4,053
272/ 27200	Pembuatan bateri dan akumulator	6,645	6,421	1,571	1,710	1,447
273	Pembuatan pendawaian dan peranti pendawaian	10,643	9,713	2,436	2,385	2,490
27310	Pembuatan kabel gentian optikal	354	450	104	120	122
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	9,610	8,681	2,191	2,118	2,216
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	679	581	141	147	153
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	1,635	1,789	402	397	518
275/ 27500	Pembuatan perkakasan domestik	11,917	11,454	2,824	2,889	3,093
279/ 27900	Pembuatan kelengkapan elektrik lain	8,087	9,320	2,148	2,325	2,510
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	45,720	44,872	10,815	11,534	10,552
28120 & 28130	Pembuatan alat-alat kuasa bendalir	2,983	2,670	598	590	627
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	10,965	10,653	2,481	2,692	2,535
28192	Pembuatan jentera pembentukan logam dan alatan mesin					
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	11,209	9,379	2,366	2,640	1,958
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	8,316 12,248	8,173 13,996	2,170 3,201	2,137 3,474	1,831 3,601
291 (29101 & 29102)	Pembuatan kenderaan bermotor	43,437	49,965	12,356	9,860	11,663
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	7,706	8,423	2,099	2,050	1,944
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	38,077	42,867	10,188	10,295	11,301
301 (30110 & 30120)	Pembinaan kapal dan bot	5,169	5,777	1,622	1,529	1,154
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	10,521	10,269	2,455	2,417	2,480
30910	Pembuatan motosikal	2,577	2,722	600	637	715
30920	Pembuatan basikal dan <i>invalid carriages</i>	2,879	2,327	616	610	518
	Industri lain	5,066	5,220	1,239	1,170	1,247
310	Pembuatan perabot	17,101	17,130	4,729	3,766	3,671
31001	Pembuatan perabot kayu dan rotan	8,667	8,542	2,416	1,823	1,866
	Industri lain	8,434	8,588	2,313	1,943	1,805
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	5,651	5,573	1,304	1,521	1,286
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	6,168	6,956	1,594	1,800	1,893
32901	Pembuatan alat tulis	1,518	1,611	403	417	416
	Industri lain	4,650	5,345	1,191	1,383	1,478
323/ 32300	Pembuatan barangan sukan	211	244	64	67	53
324/ 32400	Pembuatan permainan dan mainan	639	542	132	168	124
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	5,746	6,163	1,629	1,386	1,433
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	2,121	2,289	591	502	546
	Industri lain	3,625	3,874	1,038	884	887
Jumlah Pembuatan		1,800,930	1,804,035	449,424	439,208	453,856

2024			2023	2024	Group Description/Period
Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	
781	832	697	1,492	1,774	Manufacture of optical instruments, photographic equipment, magnetic and optical media
4,928	4,384	4,634	10,408	10,733	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
1,362	1,193	1,217	2,781	2,874	Manufacture of electric motors, generators and transformers
3,565	3,190	3,416	7,627	7,858	Manufacture of electricity distribution and control apparatus
1,692	1,515	1,714	3,696	3,910	Manufacture of batteries and accumulators
2,402	2,271	2,349	5,632	5,436	Manufacture of wiring and wiring devices
106	108	113	266	253	Manufacture of fibre optic cables
2,156	2,007	2,068	5,030	4,810	Manufacture of other electronic and electric wires and cables
141	157	168	335	373	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
472	469	451	965	1,102	Manufacture of electric lighting equipment
2,648	2,911	2,937	6,666	6,850	Manufacture of domestic appliances
2,338	2,009	1,951	5,283	4,634	Manufacture of other electrical equipment
11,971	11,018	11,905	25,671	26,433	Manufacture of general-purpose and special-purpose machinery
855	610	586	1,356	1,377	Manufacture of fluid power equipment
					Manufacture of other pumps, compressors, taps and valves
2,945	2,825	3,135	5,988	6,911	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
					Manufacture of metal-forming machinery and machine tools
2,416	2,435	2,703	5,597	5,806	Manufacture of air-conditioning machines, including for motor vehicles
2,035	1,670	1,902	4,941	4,111	Manufacture of other special-purpose machinery n.e.c.
3,720	3,478	3,579	7,789	8,228	Other industry
16,085	14,386	11,911	26,136	30,463	Manufacture of motor vehicles
2,330	1,566	1,655	4,811	3,869	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
11,083	11,137	10,842	24,326	26,108	Manufacture of parts and accessories for motor vehicles
1,472	1,473	1,489	3,504	3,352	Building of ships and boats
2,917	2,680	2,565	5,690	6,063	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
770	787	747	1,480	1,790	Manufacture of motorcycles
583	562	580	1,398	1,317	Manufacture of bicycles and invalid carriages
1,564	1,331	1,238	2,812	2,957	Other industry
4,964	5,326	4,159	9,604	10,653	Manufacture of furniture
2,437	2,782	2,098	4,798	5,469	Manufacture of wooden and cane furniture
2,526	2,544	2,062	4,806	5,184	Other industry
1,462	1,473	1,786	3,201	3,810	Manufacture of jewellery, bijouterie and related articles
1,669	1,584	1,730	4,009	3,831	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
376	383	446	957	985	Manufacture of stationery
1,293	1,201	1,284	3,051	2,846	Other industry
59	67	66	151	149	Manufacture of sports goods
119	124	174	338	357	Manufacture of games and toys
1,714	1,706	1,485	3,422	3,618	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
649	663	599	1,234	1,424	Repair and maintenance of transport equipment except motorcycles and bicycles
1,065	1,044	886	2,188	2,194	Other industry
461,548	457,326	464,219	1,032,558	1,078,605	Total Manufacturing

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : Sales Value of Manufacturing Sector by Group (cont.)

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023							
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	194	198	232	202	205	220	242	261
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	1,423	1,329	1,449	1,427	1,461	1,562	1,757	1,895
	27101 Pembuatan motor elektrik, penjana dan transformer	411	376	383	382	383	395	452	538
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	1,012	953	1,066	1,045	1,079	1,167	1,305	1,357
272/ 27200	Pembuatan bateri dan akumulator	583	503	486	542	547	620	414	465
273	Pembuatan pendawaian dan peranti pendawaian	815	821	800	794	788	803	811	833
	27310 Pembuatan kabel gentian optikal	35	33	35	37	41	42	42	46
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	735	742	715	711	696	711	721	733
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	45	46	50	46	51	50	48	53
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	132	134	136	122	138	137	165	177
275/ 27500	Pembuatan perkakasan domestik	911	914	999	992	926	971	953	1,122
279/ 27900	Pembuatan kelengkapan elektrik lain	719	700	728	719	792	814	810	828
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3,693	3,527	3,595	3,877	3,868	3,789	3,322	3,567
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	212	213	173	199	191	200	167	186
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	860	823	798	891	894	907	816	850
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	798	759	809	920	947	773	591	698
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	730	680	760	789	648	700	634	524
		1,093	1,052	1,056	1,078	1,188	1,208	1,114	1,308
291 (29101 & 29102)	Pembuatan kenderaan bermotor	4,253	3,796	4,307	2,846	3,685	3,329	3,920	3,633
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	697	639	762	712	739	599	662	646
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	3,293	3,266	3,629	3,096	3,684	3,515	3,843	3,889
301 (30110 & 30120)	Pembinaan kapal dan bot	508	513	601	656	445	428	354	356
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	815	752	888	805	798	814	818	827
	30910 Pembuatan motosikal	205	191	204	202	206	228	243	234
	30920 Pembuatan basikal dan <i>invalid carriages</i>	210	200	206	203	208	199	172	176
	Industri lain	400	361	478	399	385	386	403	417
310	Pembuatan perabot	1,587	1,512	1,630	1,312	1,411	1,042	1,109	1,166
	31001 Pembuatan perabot kayu dan rotan	788	790	838	641	663	518	559	619
	Industri lain	799	722	792	671	748	524	550	547
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	473	416	415	491	531	498	375	397
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	523	538	534	588	640	571	615	647
	32901 Pembuatan alat tulis	136	135	133	140	142	135	137	148
	Industri lain	387	403	401	448	498	436	478	499
323/ 32300	Pembuatan barangan sukan	21	20	24	27	22	18	19	16
324/ 32400	Pembuatan permainan dan mainan	45	39	49	57	69	41	38	41
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	530	511	589	578	402	406	407	449
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	186	177	228	231	136	135	140	170
	Industri lain	344	334	360	347	266	271	266	279
Jumlah Pembuatan		148,010	145,219	156,194	144,981	146,799	147,427	143,926	152,175

2024											Group Description/Period
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
260	257	267	258	281	263	287	239	239	218	246	Manufacture of optical instruments, photographic equipment, magnetic and optical media
1,935	1,731	1,631	1,566	1,545	1,391	1,448	1,536	1,574	1,524	1,715	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
543	489	446	427	431	379	384	406	409	402	464	Manufacture of electric motors, generators and transformers
1,392	1,241	1,185	1,140	1,114	1,012	1,064	1,129	1,165	1,122	1,252	Manufacture of electricity distribution and control apparatus
569	580	556	556	544	483	488	536	591	587	681	Manufacture of batteries and accumulators
847	823	805	773	829	728	715	757	836	755	816	Manufacture of wiring and wiring devices
33	36	32	37	38	36	34	36	39	37	32	Manufacture of fibre optic cables
762	740	725	691	736	641	629	667	737	663	736	Manufacture of other electronic and electric wires and cables
52	48	47	45	54	51	51	54	60	55	48	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
175	163	162	148	167	154	148	146	161	144	183	Manufacture of electric lighting equipment
1,018	909	877	862	953	948	1,010	1,007	939	991	1,001	Manufacture of domestic appliances
872	797	786	755	735	619	655	605	663	682	674	Manufacture of other electrical equipment
3,663	3,762	4,104	4,105	3,813	3,584	3,621	4,056	3,960	3,889	3,509	Manufacture of general-purpose and special-purpose machinery
274	273	302	280	230	210	169	189	193	203	181	Manufacture of fluid power equipment
870	878	1,017	1,049	961	914	949	1,059	1,028	1,049	950	Manufacture of other pumps, compressors, taps and valves
669	721	821	875	845	796	794	920	931	852	668	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
672	685	674	676	585	515	570	693	626	584	539	Manufacture of metal-forming machinery and machine tools
1,178	1,205	1,289	1,226	1,191	1,148	1,138	1,195	1,183	1,201	1,171	Manufacture of air-conditioning machines, including for motor vehicles
4,111	4,922	5,740	5,422	5,504	4,540	4,342	4,070	4,531	3,309	4,167	Manufacture of other special-purpose machinery n.e.c.
636	774	813	743	523	458	586	520	544	591	648	Other industry
3,569	3,459	3,934	3,690	3,851	3,720	3,566	3,602	4,082	3,158	4,129	Manufacture of motor vehicles
444	560	459	453	446	458	569	616	459	415	391	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
834	897	1,059	961	928	830	922	870	843	852	818	Manufacture of parts and accessories for motor vehicles
237	234	268	268	290	249	248	247	253	247	256	Building of ships and boats
170	190	203	190	201	166	195	188	193	199	175	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
427	473	588	503	437	415	479	434	398	406	388	Manufacture of motorcycles
1,396	1,561	1,696	1,707	1,794	1,652	1,880	1,523	1,528	1,107	1,168	Manufacture of bicycles and invalid carriages
688	751	848	838	896	868	1,019	783	767	547	590	Other industry
708	810	848	868	898	784	862	740	762	560	578	Manufacture of furniture
514	453	511	498	531	457	485	581	599	606	552	Manufacture of wooden and cane furniture
631	575	551	543	531	533	520	579	623	529	516	Other industry
130	128	119	128	129	121	133	147	149	150	156	Manufacture of jewellery, bijouterie and related articles
501	447	431	416	402	412	387	431	474	379	360	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
18	19	19	21	23	21	23	26	22	17	17	Manufacture of stationery
45	45	38	36	38	38	48	52	65	57	59	Other industry
578	557	599	557	548	527	632	610	432	444	426	Manufacture of sports goods
236	213	228	208	203	200	260	263	168	169	162	Manufacture of games and toys
342	344	371	349	345	327	372	347	264	275	264	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
											Repair and maintenance of transport equipment except motorcycles and bicycles
											Other industry
157,755	156,675	154,988	149,885	152,704	146,191	158,431	153,227	154,897	156,094	157,060	Total Manufacturing

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : Sales Value of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2023	2024	2023		
				Q1	Q2	Q3	Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	Jan.	Feb.	Mac
101	Pemprosesan dan pengawetan daging	11.8	5.7	6.3	9.8	5.2	1.9	5.8	3.5	8.0	4.9	-1.9	9.3	12.3
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-9.0	6.0	1.0	3.7	10.5	8.9	3.2	0.8	4.5	0.9	1.7	1.6	-0.1
	10201 Pengetinan ikan, krustasea dan moluska													
	& 10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	-9.7	5.2	0.2	2.4	10.1	8.1	2.6	-0.02	3.7	0.1	1.2	0.3	-1.1
	Industri lain	4.0	19.5	15.7	25.6	15.8	21.2	12.5	12.6	19.8	13.5	9.2	22.4	16.0
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	1.6	31.0	16.4	36.0	36.9	34.4	23.7	10.7	28.6	15.5	-1.0	15.2	37.7
	10303 Pengetinan nanas													
	& 10304 Pembuatan jem, marmalad dan sajian jeli	-2.0	58.2	50.0	87.3	50.8	49.5	35.8	8.3	67.9	18.1	20.0	42.2	98.8
	Industri lain	2.6	24.3	9.5	25.1	32.9	30.1	20.3	11.4	20.0	14.7	-5.5	9.4	26.6
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	12.8	-11.2	4.7	-25.4	-13.8	-5.4	-0.2	9.4	-13.8	7.3	5.3	7.6	1.2
	10404 Pembuatan minyak sayuran mentah dan bertapis													
	& 10406 Pembuatan sebatian lemak masakan	19.9	0.8	22.3	-0.2	-11.1	-1.4	1.8	-9.9	4.8	-3.2	10.3	34.0	24.0
	10405 Pembuatan minyak kelapa	34.4	-19.9	-15.4	-24.6	-25.2	-14.3	17.3	36.8	-21.4	31.0	1.6	-18.5	-27.8
	Industri lain	11.9	-12.6	2.8	-28.2	-14.1	-5.8	-0.7	12.1	-15.9	8.6	4.8	4.8	-1.5
105	Pembuatan produk tenusu	12.1	-0.1	3.9	4.8	-5.1	-3.6	-6.6	-8.4	3.3	-6.5	-1.8	3.5	9.9
	10502 Pembuatan susu pekat, tepung dan sejat	13.1	-0.4	4.8	4.9	-6.0	-5.0	-8.7	-11.4	3.7	-9.2	-1.6	4.7	11.3
	Industri lain	-0.1	4.0	-9.2	2.4	7.6	15.5	26.9	36.8	-2.5	32.9	-4.9	-12.9	-10.1
106	Pembuatan produk bijian, kanji dan produk berkanji	22.1	5.1	9.6	1.0	6.2	4.0	6.1	10.7	5.5	9.2	5.8	13.6	9.4
	10611 Pengilangan beras	32.7	3.2	12.7	-1.1	1.6	0.7	3.2	10.0	5.6	8.1	6.5	15.8	15.2
	10613 Pengilangan tepung	14.0	7.6	6.9	3.6	11.5	8.5	9.1	11.1	5.8	10.1	5.3	11.7	4.1
	Industri lain	4.4	-3.7	6.5	-4.6	-1.6	-13.1	6.7	17.1	0.5	11.3	4.7	8.6	6.5
107	Pembuatan produk makanan lain	9.7	8.3	6.9	6.7	7.3	12.1	11.0	12.0	6.7	11.6	3.1	11.0	6.8
	10711 Pembuatan biskut dan cookies	47.1	23.0	5.2	12.6	33.0	40.8	28.2	18.4	13.0	21.5	-2.3	9.9	8.3
	10712 Pembuatan roti, kek dan produk bakeri lain	0.9	10.7	18.4	10.7	7.4	7.2	0.8	0.6	13.1	1.1	16.2	17.2	21.7
	10713 Pembuatan produk snek	20.8	16.9	0.9	10.2	25.6	30.6	41.5	37.0	8.1	38.7	-3.8	1.2	5.0
	10721 Pembuatan gula	-5.5	17.6	-7.2	13.6	28.5	37.5	27.9	17.4	5.6	20.7	-18.4	-0.3	-0.8
	10731 Pembuatan produk koko	0.0	6.2	4.6	7.6	4.8	7.8	22.8	54.9	5.9	40.2	-3.6	9.2	8.9
	10732 Pembuatan coklat dan produk coklat													
	& 10733 Pembuatan konfeksi gula	12.0	-2.2	1.7	-4.7	-6.7	1.2	2.9	7.9	-2.5	5.9	3.2	8.2	-5.2
	10793 Pembuatan sos dan bahan perasa	3.6	7.5	-3.4	2.5	15.2	16.2	17.0	22.8	0.7	18.7	-11.8	1.9	-0.1
	10799 Pembuatan produk makanan lain t.t.t.l.	31.2	5.3	12.3	5.7	-1.2	5.5	4.3	1.7	7.4	3.2	9.9	17.9	9.5
	Industri lain	9.3	11.0	11.7	14.0	8.4	10.2	11.9	9.9	11.9	10.8	7.5	16.6	11.3
108/ 10800	Pembuatan makanan haiwan tersedia	25.3	17.4	20.2	16.2	18.2	15.3	8.2	-1.0	18.0	2.2	9.4	20.9	31.3
110	Pembuatan minuman ringan	19.6	2.7	0.2	3.2	1.4	5.8	6.1	8.2	1.7	7.4	0.5	-0.3	0.3
	11041 Pembuatan minuman ringan	7.3	6.2	-2.5	7.2	11.4	9.0	11.2	12.7	4.0	11.5	-1.2	-4.1	-2.1
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	2.1	3.7	-3.7	3.3	7.9	7.7	2.0	0.1	0.3	1.6	-6.5	-2.1	-2.8
	Industri lain	52.7	-2.8	5.6	-2.3	-13.6	0.4	-0.1	3.8	-1.2	3.0	4.7	6.7	5.4
120/ 12000	Pembuatan produk tembakau	16.0	17.6	17.4	27.0	18.6	9.0	9.3	11.8	21.4	11.4	20.6	5.7	25.3
131	Pemintalan, penenunan dan penyiapan tekstil	6.3	-12.3	-11.8	-8.8	-12.8	-16.0	-0.1	6.8	-10.8	3.9	-9.7	-15.0	-10.7
	13110 Penyediaan dan pemintalan gentian tekstil													
	& 13120 Penenunan tekstil	7.6	-11.9	-8.5	-5.3	-13.6	-20.3	-6.2	1.2	-7.5	-1.5	-3.4	-13.0	-9.0
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3.5	-13.1	-21.5	-18.1	-9.7	-2.5	21.9	26.6	-19.9	23.2	-26.7	-21.4	-15.7
	Industri lain	-15.2	-30.1	-22.7	-31.3	-32.8	-34.3	-15.2	-24.4	-28.6	-18.6	-18.4	-21.4	-28.9
139	Pembuatan tekstil lain	11.7	10.8	10.6	8.5	10.1	14.0	15.7	14.2	9.1	15.0	6.0	14.9	11.4
	13910 Pembuatan fabrik dikait dan dikrusye	3.0	-1.8	-0.6	-0.9	-2.4	-3.5	5.6	5.9	-1.4	6.6	-4.3	3.2	-0.3
	Industri lain	19.9	21.2	20.2	16.3	20.0	27.9	22.8	20.1	17.7	20.9	14.6	24.8	21.5
141	Pembuatan pakaian, kecuali pakaian berbulu	3.6	5.0	2.4	6.8	7.2	3.8	4.0	2.2	5.3	3.9	1.7	3.8	1.8
	14102 Pembuatan pakaian	2.1	5.7	2.7	9.0	7.8	3.8	4.3	-0.5	6.4	2.4	2.1	4.8	1.2
	Industri lain	16.5	-0.2	0.6	-7.6	2.0	4.3	2.3	23.1	-2.2	15.5	-1.4	-2.8	5.8
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	0.6	18.8	18.9	19.8	14.5	21.8	21.4	15.1	18.3	18.7	3.3	26.2	29.9
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	29.0	7.5	6.4	13.4	5.7	5.8	6.5	2.7	9.4	5.2	5.9	2.9	10.6
152	Pembuatan kasut	4.1	12.6	6.2	15.9	14.0	14.7	7.1	-0.02	11.5	2.4	8.1	9.5	1.6
	15201 Pembuatan kasut kulit													
	& 15203 Pembuatan kasut getah	12.3	16.1	13.3	24.6	11.1	16.5	12.9	2.5	17.5	6.6	11.6	27.4	4.0
	Industri lain	-7.7	6.5	-4.5	3.1	20.2	11.0	-3.4	-4.6	2.1	-5.1	1.9	-12.1	-2.3
161/ 16100	Pengilangan dan pengetaman kayu	13.4	-2.7	1.6	3.3	-7.7	-7.2	-8.5	-5.2	1.9	-7.1	-10.4	12.4	4.9

2024																Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
9.7	8.8	11.0	7.2	2.6	5.9	-1.0	3.3	3.6	7.6	4.9	5.0	2.7	5.0	2.9	6.3	Processing and preserving of meat
-1.4	10.7	1.8	18.9	4.9	8.4	12.2	7.1	7.3	3.7	3.6	2.2	6.1	-3.3	0.1	-5.1	Processing and preserving of fish, crustaceans and molluscs
-2.5	9.2	0.7	19.1	4.4	7.9	12.0	5.7	6.6	2.8	3.0	1.9	6.1	-4.3	-1.3	-6.6	Canning of fish, crustaceans and molluscs
18.0	37.3	22.2	15.8	14.6	16.8	15.2	31.3	18.0	18.4	12.4	6.8	5.7	11.3	20.8	19.6	Processing, curing and preserving of fish, crustacean and molluscs
28.9	40.2	38.8	43.6	30.0	37.6	38.9	31.3	33.3	38.0	24.3	11.3	16.1	11.9	4.6	9.0	Other industry
69.3	122.4	76.2	62.8	46.3	44.9	53.6	40.4	55.9	52.3	35.3	23.1	24.4	8.9	-4.3	6.8	Processing and preserving of fruits and vegetable
20.9	25.3	29.1	38.3	25.6	35.4	34.5	28.6	27.5	34.1	21.2	7.9	13.7	12.9	7.8	9.7	Pineapple canning
-23.2	-25.6	-27.4	-18.5	-15.1	-8.4	-3.6	-3.8	-8.6	12.7	-8.9	-5.5	8.3	9.0	10.9	23.5	Manufacture of jams, marmalades and table jellies
5.4	5.2	-10.1	-17.2	-11.3	-4.7	4.3	1.7	-9.1	16.1	-5.0	-4.8	-14.6	-14.9	0.2	2.7	Other industry
-28.6	-15.2	-30.0	-29.7	-27.9	-17.6	-8.1	-17.7	-16.8	0.8	23.4	31.8	31.4	25.3	55.5	60.0	Manufacture of vegetable and animal oils and fats
-26.2	-29.0	-29.4	-18.5	-15.5	-8.8	-4.4	-4.3	-8.5	12.3	-9.8	-5.9	11.7	12.7	12.1	26.3	Manufacture of crude and refined vegetable oil
5.5	8.2	0.7	-2.8	-6.5	-5.6	-1.0	-2.0	-8.0	-4.9	-6.9	-7.8	-8.4	-8.5	-8.4	-0.1	Manufacture of compound cooking fats
6.1	8.3	0.4	-3.3	-7.4	-7.0	-2.4	-3.2	-9.3	-6.9	-9.2	-9.9	-10.7	-11.9	-11.7	-3.2	Manufacture of coconut oil
-4.0	6.2	4.8	3.7	6.1	13.0	18.8	15.0	12.4	22.6	31.0	27.7	30.1	42.1	37.6	37.2	Other industry
-4.9	5.0	3.3	8.5	4.0	6.2	5.4	5.2	1.4	12.5	-1.5	7.7	8.3	9.1	15.1	13.6	Manufacture of dairy products
-11.9	5.9	5.1	8.4	-2.0	-0.7	0.8	0.6	0.7	12.5	-9.7	8.1	7.1	6.6	17.2	17.4	Manufacture of condensed, powdered and evaporated milk
3.9	4.5	2.3	9.3	10.8	14.5	11.5	11.3	2.9	13.1	7.1	7.0	8.8	11.4	13.0	10.3	Other industry
-5.3	-2.0	-6.4	-1.6	-2.7	-0.7	-13.1	-13.7	-12.3	3.5	3.6	13.4	19.6	15.2	16.6	8.2	Manufacture of grain mill products, starches and starch products
0.8	13.6	6.0	6.1	5.0	10.9	11.7	13.9	10.8	13.3	8.1	11.5	14.8	11.4	10.1	12.1	Rice milling
-14.1	29.6	30.6	38.6	26.8	34.3	37.4	43.4	41.4	39.0	16.9	29.4	29.5	13.3	13.8	14.1	Flour milling
9.2	15.9	7.2	6.3	7.5	8.4	9.8	10.5	1.6	2.3	0.8	-0.7	8.5	-2.3	-3.6	3.4	Other industry
-0.4	18.1	13.7	24.6	24.4	27.7	25.9	35.2	30.7	55.9	33.1	36.7	38.8	38.5	33.9	36.2	Manufacture of other food products
-6.7	28.5	21.1	23.4	25.6	36.3	39.2	42.7	30.8	28.2	25.8	29.8	30.5	21.8	3.2	12.3	Manufacture of bread, cakes and other bakery products
3.7	15.2	4.1	5.2	2.2	7.0	8.2	8.7	6.4	25.4	14.4	29.8	38.0	59.2	67.1	50.1	Manufacture of snack products
-7.8	-0.8	-5.6	-7.9	-8.9	-3.1	-3.0	3.7	3.0	-1.1	1.0	8.7	8.4	7.4	7.8	9.2	Manufacture of sugar
-0.3	1.1	7.1	8.7	13.4	23.5	17.8	10.5	20.8	27.8	12.7	11.5	14.5	33.1	22.2	11.6	Manufacture of cocoa products
7.2	12.6	-2.4	-1.6	-6.4	4.3	4.9	4.3	7.6	10.7	2.9	-0.2	2.3	-1.3	4.4	4.4	Manufacture of chocolate and chocolate products
10.9	23.0	8.7	6.8	6.4	12.1	12.8	10.0	7.8	16.4	8.6	10.8	11.6	8.2	9.9	10.8	Manufacture of sugar confectionery
12.6	19.2	16.7	18.1	20.3	16.4	20.2	20.5	5.3	9.9	6.2	8.4	1.0	0.7	-4.6	-3.9	Manufacture of sauces and condiments
-3.0	12.1	1.9	2.1	0.9	1.5	8.0	3.8	5.5	6.5	4.6	7.2	7.0	6.2	11.8	9.4	Manufacture of other food products n.e.c.
-5.3	16.9	14.7	15.6	7.5	11.3	11.9	6.7	8.1	16.9	6.6	10.3	12.2	11.7	14.3	9.0	Other industry
-3.1	13.1	1.6	3.4	6.9	13.8	11.3	6.4	5.1	8.2	1.2	-2.5	-1.0	-1.6	3.0	4.8	Manufacture of prepared animal feeds
0.9	5.7	-13.4	-17.8	-10.0	-13.4	1.3	-1.2	1.1	-7.7	2.6	5.3	1.3	0.7	10.6	11.9	Manufacture of beverages
9.1	57.6	20.4	19.5	17.6	18.7	16.5	4.7	6.3	3.9	16.7	8.3	11.2	9.2	16.3	19.2	Manufacture of soft drinks
-11.4	-0.5	-13.8	-13.8	-11.0	-13.5	-13.6	-15.0	-19.1	1.7	2.4	-4.2	4.5	9.9	5.9	7.5	Production of natural mineral waters and other bottled waters
-8.2	3.0	-10.3	-11.3	-12.9	-16.8	-17.0	-19.6	-23.7	-5.4	-5.5	-7.5	0.9	-0.5	3.4	4.7	Other industry
-20.6	-10.6	-21.9	-20.0	-4.3	-3.5	-3.8	-0.3	-3.2	28.6	30.4	7.7	18.0	48.9	14.1	16.9	Manufacture of tobacco products
-26.3	-27.8	-39.1	-37.7	-29.4	-30.9	-33.0	-34.5	-35.6	-27.4	7.1	-21.6	-25.8	-28.0	-18.7	-13.0	Manufacture of textiles
10.6	10.4	4.9	5.8	12.0	12.6	13.9	15.0	13.0	16.6	14.5	16.0	12.9	14.9	14.9	15.3	Preparation and spinning of textile fibres
2.3	-0.4	-4.3	-5.3	0.1	-1.9	-4.0	-2.9	-3.5	6.1	4.9	5.8	5.7	5.8	6.2	12.1	Weaving of textiles
17.3	19.6	12.3	14.8	21.5	24.0	28.6	29.3	25.8	23.9	21.2	23.2	18.0	21.3	20.9	17.3	Dyeing, bleaching, printing and finishing of yarns and fabrics
0.6	9.1	11.7	10.6	4.6	6.3	7.4	6.3	-1.7	6.3	-2.5	8.3	4.5	2.5	-0.7	8.8	Other industry
2.6	12.5	12.6	11.2	5.5	6.9	8.1	6.5	-2.6	6.3	-3.3	9.9	3.6	-1.0	-4.2	4.8	Manufacture of other textiles
-12.6	-12.7	4.8	5.9	-1.8	2.0	2.3	4.9	5.8	5.7	3.1	-1.4	11.2	31.5	26.9	42.6	Manufacture of knitted and crocheted fabrics
22.8	22.1	14.8	12.4	13.3	17.5	19.7	24.0	21.7	23.4	18.9	22.2	22.9	16.3	6.2	20.1	Other industry
12.8	22.6	5.2	8.2	3.7	5.4	6.7	4.6	6.4	6.5	6.6	6.5	3.6	1.2	3.4	7.8	Manufacture of wearing apparel, except fur apparel
16.9	12.2	19.1	16.0	13.6	12.5	12.6	17.7	13.7	11.2	7.6	2.4	-1.9	-0.9	2.9	-4.6	Manufacture of clothings
31.7	24.6	17.8	11.1	11.7	10.5	12.8	18.1	18.5	14.5	12.4	11.8	-0.8	1.6	7.1	-0.8	Manufacture of leather footwear
-2.6	-4.5	21.4	26.9	17.6	16.7	12.3	16.8	4.4	4.7	-0.7	-13.6	-3.9	-5.1	-4.9	-11.9	Manufacture of rubber footwear
0.6	15.8	-5.3	-2.0	-9.5	-9.7	-2.3	-4.5	-14.2	-2.0	-15.4	-8.1	-2.4	-7.7	-6.5	-6.7	Sawmilling and planning of wood

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
 Table : Sales Value of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh		2022	2023	2023				2024		2023	2024	2023		
					Q1	Q2	Q3	Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	Jan.	Feb.	Mac
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain		12.1	-5.8	-5.7	-4.3	-7.1	-5.9	1.3	6.6	-5.6	4.6	-6.4	-2.2	-8.1
16211	Pembuatan kepingan venier dan papan lapis		9.9	1.2	0.9	4.3	1.9	-0.9	2.7	6.8	1.9	5.0	3.4	2.8	-3.2
16212	Pembuatan papan partikel dan papan gentian		12.6	-13.1	-12.2	-10.5	-16.5	-13.3	1.0	4.7	-12.2	4.2	-15.8	-5.0	-14.8
16221	Pertukangan kayu untuk jurubina		13.9	-5.6	-4.7	-8.5	-4.4	-5.6	-0.1	7.5	-6.8	3.9	-5.9	-6.2	-1.9
	Industri lain		19.5	-15.5	-17.6	-16.4	-19.0	-8.9	-3.7	10.1	-17.4	4.4	-22.0	-12.9	-17.4
170	Pembuatan kertas dan produk kertas		9.6	5.7	11.0	4.8	1.9	5.6	2.0	1.5	6.9	2.4	7.0	16.9	9.5
17010	Pembuatan pulpa, kertas dan kertas tebal		13.8	-3.8	-1.5	-7.3	-6.0	-0.7	1.5	9.9	-5.4	8.0	-1.4	8.8	-11.0
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal		2.5	-3.5	7.8	-5.8	-9.7	-5.0	-8.5	-4.1	-1.0	-4.4	5.2	11.8	6.7
17091	Pembuatan sampul surat dan kad surat		14.6	0.3	29.5	10.8	-11.4	-18.3	-14.6	-3.8	15.5	-9.5	42.7	21.4	24.8
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi		16.4	13.2	14.2	13.8	13.3	11.4	1.1	-5.5	14.2	-3.4	5.9	19.7	17.2
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding		17.4	19.0	28.1	22.0	8.5	19.1	16.7	0.8	23.0	5.8	29.4	32.6	23.4
	Industri lain		6.1	41.1	27.2	41.1	47.9	48.1	31.7	25.7	35.2	29.7	10.4	34.1	39.2
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman		13.3	6.0	7.5	5.5	7.5	3.6	3.6	7.4	6.5	6.5	3.2	10.2	9.3
18110	Percetakan		12.4	3.6	-0.7	1.2	6.2	8.1	9.9	13.9	0.8	12.9	-4.6	1.4	1.3
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan dan Penerbitan semula media rakaman		17.2	15.1	45.3	23.6	12.7	-11.3	-16.6	-15.2	31.3	-15.1	36.7	50.4	50.2
192 (19201 & 19202)	Pembuatan produk petroleum bertapis		42.3	-10.1	21.9	-6.2	-22.7	-20.9	-12.9	-7.2	-0.1	-7.9	26.0	25.0	14.5
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer		0.5	-8.0	-6.5	-9.1	-8.3	-8.2	-8.1	3.3	-8.3	-1.4	-7.2	-5.6	-6.6
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat		-15.8	-16.2	58.8	-28.2	-36.3	-28.1	-15.2	32.3	-1.8	9.9	49.6	65.2	64.5
20112 & 20113	Pembuatan kimia organik asas dan Pembuatan sebatian bukan organik		0.5	-11.6	-7.5	-11.7	-14.6	-13.0	-9.8	9.3	-10.8	0.4	-8.2	-7.0	-7.4
20121 & 20129	Pembuatan baja dan Pembuatan produk campuran nitrogen		18.0	-18.4	-15.1	-15.3	-20.1	-24.4	-35.8	-24.9	-16.4	-29.0	-14.5	-14.7	-16.1
20131	Pembuatan plastik dalam bentuk primer		-9.8	2.1	-9.0	-2.9	14.3	8.7	2.6	-1.3	-4.4	0.6	-10.3	-7.9	-8.9
	Industri lain		57.2	-8.2	8.5	-2.7	-20.0	-15.2	-6.9	4.3	-0.04	0.6	6.8	10.0	8.8
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia		30.9	17.8	21.4	20.7	17.6	12.5	13.6	9.3	21.3	10.8	21.6	19.3	23.1
20210	Pembuatan racun perosak dan produk agrokimia lain		53.3	23.6	19.0	31.4	42.7	6.9	4.1	-2.6	28.8	-0.9	24.1	16.7	16.2
20221	Pembuatan cat, varnis dan penyadur dan mastik		33.0	34.7	18.9	34.5	45.6	40.6	38.0	18.2	28.8	25.6	8.4	14.7	34.0
20222	Pembuatan dakwat cetak		16.2	-3.6	-0.8	-4.1	-0.8	-8.8	7.2	5.6	-1.6	7.0	-1.0	-0.6	-0.9
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilap dan Pembuatan pewangi dan penyediaan dandanan diri		30.1	10.6	23.0	16.2	3.3	2.9	5.6	2.1	18.3	3.7	23.4	23.7	22.0
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials dan Pembuatan dakwat menulis dan melukis		23.8	9.7	26.0	9.9	4.6	1.6	1.1	17.3	16.5	10.0	40.1	22.3	15.7
20299	Pembuatan produk kimia lain t.t.t.l.														
	Industri lain		16.3	4.9	38.0	-2.8	-19.2	11.9	-12.4	-7.8	12.5	-9.1	43.7	30.1	40.3
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani		10.8	5.2	12.0	5.1	0.7	3.5	5.4	6.8	7.2	6.4	6.9	15.8	13.6
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan		10.1	4.5	9.7	4.5	-0.8	5.0	4.8	6.7	5.6	6.2	4.6	13.9	10.9
	Industri lain		14.8	8.5	24.1	8.4	7.8	-2.9	8.4	7.0	15.1	7.7	18.9	25.5	28.0
221	Pembuatan produk getah		-23.9	-9.1	-10.8	-12.6	-8.6	-3.4	4.4	5.6	-11.6	5.7	-11.7	-10.7	-10.1
22111	Pembuatan tayar getah untuk kenderaan		-23.7	-38.1	-41.4	-43.2	-35.0	-28.4	-31.4	-12.9	-42.3	-21.0	-40.7	-41.6	-42.0
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup		2.4	27.1	29.9	26.8	20.7	31.3	4.7	6.3	25.8	7.5	9.2	42.0	39.8
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan dan Pengilangan semula getah dan prosesan susu getah		-7.6	-16.9	-8.6	-26.1	-24.5	-6.1	7.0	12.0	-19.6	11.0	-7.0	-10.9	-7.9
22192	Pembuatan sarung tangan getah		-28.3	-5.8	-8.4	-8.3	-3.9	-1.6	5.6	5.2	-8.0	6.0	-9.6	-7.9	-7.8
22199	Pembuatan produk getah lain yang t.t.t.l.		-4.3	-9.5	-10.6	-13.9	-9.0	-4.4	10.8	11.7	-11.6	10.7	-9.6	-8.9	-12.9
222	Pembuatan produk plastik		5.4	-0.6	-3.3	-1.2	-0.6	2.6	5.4	6.1	-1.8	5.8	-6.3	-2.3	-1.4
22201 & 22202	Pembuatan produk plastik separa siap dan Pembuatan produk plastik siap		-5.4	-5.3	-3.2	-7.7	-7.4	-2.2	-2.6	-2.3	-6.1	-2.3	-7.7	-0.8	-1.1
22203	Pembuatan artikel plastik untuk pembungkusan barangan		29.4	-1.9	5.4	-1.9	-5.6	-4.1	6.7	11.6	1.1	9.5	2.6	5.8	7.9
22204	Pembuatan barangan plastik jurubina		19.5	41.2	27.9	33.8	45.5	56.4	23.4	6.9	33.9	13.4	-0.1	42.9	41.2
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik		51.1	7.9	8.5	19.7	4.8	-1.1	-2.0	-6.7	13.1	-3.4	5.6	10.0	9.9
22209	Pembuatan pelbagai produk plastik t.t.t.l.		-19.4	-3.6	-21.5	-8.0	5.9	13.0	13.4	16.0	-12.7	13.7	-20.9	-21.7	-21.9
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca		4.8	-3.3	-4.8	-2.1	-4.1	-2.3	4.6	3.7	-4.5	5.5	2.1	-10.1	-5.8

2024																Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
-7.1	4.6	-9.3	-9.8	-5.9	-6.3	-2.2	-7.1	-8.4	0.7	-1.5	4.6	5.7	5.3	9.4	15.6	Manufacture of products of wood, cork, straw and plaiting materials
0.3	16.2	-1.6	-1.0	4.6	1.5	5.60	-3.8	-4.3	1.0	1.4	5.8	6.1	6.3	8.3	11.8	Manufacture of veneer sheets and plywood
-14.2	-2.6	-13.6	-17.7	-15.7	-16.4	-13.5	-13.3	-13.1	5.0	-5.7	3.4	4.0	2.3	8.6	19.6	Manufacture of particle board and fibreboard
-5.6	-6.5	-14.2	-11.2	-1.4	-1.7	-1.8	-1.2	-13.2	-9.0	2.2	7.5	7.7	6.7	7.9	12.8	Manufacture of builders' carpentry
-19.2	-7.9	-20.8	-19.3	-22.0	-15.5	-6.4	-11.7	-8.4	-0.5	-9.1	-1.6	6.4	8.1	17.4	24.9	Other industry
4.3	8.3	1.9	1.0	1.6	3.0	3.7	7.8	5.4	6.7	1.3	-1.7	1.1	0.8	2.7	6.8	Manufacture of paper and paper products
-14.2	2.8	-9.3	-12.0	-5.2	-1.1	-7.0	2.3	3.5	1.8	1.2	1.6	4.6	5.2	21.2	24.5	Manufacture of pulp, paper and paperboard
-6.9	-2.1	-8.4	-10.8	-11.5	-6.9	-5.0	-4.8	-5.2	-0.6	-13.2	-11.5	-6.4	-7.4	1.9	8.7	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
34.1	2.6	0.0	-6.3	-12.1	-15.4	-18.6	-17.8	-18.5	-18.1	-9.2	-15.7	-1.7	-2.0	-7.8	-10.3	Manufacture of envelopes and letter-card
15.7	15.8	9.9	15.4	17.8	7.2	12.5	17.5	4.8	2.9	1.5	-0.9	-0.7	-3.0	-13.5	-11.2	Manufacture of household and personal hygiene paper
33.7	15.5	16.8	13.2	2.4	10.2	13.9	18.2	25.6	24.8	25.6	2.2	5.5	5.7	-8.3	-10.0	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
40.3	46.6	36.4	42.0	50.4	51.3	50.1	54.9	40.1	40.9	27.3	27.7	22.4	24.9	29.7	35.9	Other industry
2.6	7.6	6.5	6.7	8.9	6.9	7.6	1.4	2.5	4.7	2.5	3.5	7.6	5.9	8.7	13.4	Printing, service activities related to printing and reproduction of recorded media
-1.6	2.9	2.5	5.0	7.1	6.5	7.1	6.8	10.4	11.7	9.0	9.1	13.3	12.3	16.1	19.5	Printing
20.3	27.1	23.5	13.3	16.1	8.7	9.3	-16.3	-20.3	-16.4	-17.4	-15.9	-12.5	-15.8	-17.4	-9.3	Service activities related to printing
																Reproduction of recorded media
0.6	2.7	-18.6	-25.6	-20.9	-21.6	-18.4	-20.0	-24.8	-21.0	-8.8	-6.7	-5.2	-17.6	1.6	4.8	Manufacture of refined petroleum products
-6.6	-7.2	-13.2	-12.1	-6.2	-6.4	-5.0	-7.7	-11.6	-5.0	-9.1	-10.0	6.6	1.5	1.9	7.1	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
-15.6	-25.5	-40.8	-33.3	-40.1	-35.0	-30.0	-20.3	-33.6	-27.3	-19.5	5.1	28.2	25.6	44.8	47.0	Manufacture of liquefied or compressed inorganic industrial or medical gases
																Manufacture of basic organic chemicals
-1.8	-14.5	-17.8	-19.1	-12.1	-12.4	-13.7	-9.4	-15.8	-7.5	-9.9	-12.0	14.0	11.8	1.8	11.6	Manufacture of inorganic compounds
																Manufacture of fertilizers
-15.9	-6.0	-24.4	-24.3	-15.2	-20.9	-17.7	-22.2	-32.6	-40.2	-40.1	-27.1	-27.3	-33.6	-10.5	-15.8	Manufacture of associated nitrogen products
-11.3	4.7	-1.8	7.5	17.5	18.5	19.1	3.2	5.1	10.6	1.4	-3.6	2.3	-6.7	0.9	0.5	Manufacture of plastics in primary forms
-2.9	0.5	-5.7	-15.3	-21.2	-23.1	-11.8	-19.7	-13.9	-0.7	-9.6	-10.6	3.1	4.4	5.3	14.6	Other industry
10.3	30.9	21.7	22.9	16.0	14.5	18.5	12.1	7.7	22.9	9.0	8.9	15.4	7.5	5.6	7.0	Manufacture of other chemical products and man-made fibres
16.5	35.0	44.8	56.8	40.9	32.6	38.3	7.0	-15.4	3.2	12.3	-2.5	-1.6	2.8	-8.2	-10.8	Manufacture of pesticides and other agrochemical products
20.5	43.4	39.9	43.6	46.7	46.5	49.7	36.3	36.8	54.3	30.6	30.5	33.0	14.7	9.0	13.0	Manufacture of paints, varnishes and similar coatings ink and mastics
-10.4	1.6	-2.9	3.4	-2.5	-3.5	-11.2	-5.4	-9.9	9.1	1.5	10.9	18.2	5.8	-6.6	10.8	Manufacture of printing ink
																Manufacture of soap and detergents, cleaning and polishing preparations
4.3	35.5	11.4	11.4	3.1	-3.5	1.4	3.4	3.8	23.7	-1.0	-4.8	7.1	-1.9	1.8	2.2	Manufacture of perfumes and toilet preparations
																Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
5.1	12.7	12.2	8.4	-1.2	6.8	8.7	2.6	-5.5	-2.1	-2.7	8.9	16.6	17.0	18.2	18.6	Manufacture of writing and drawing ink
																Manufacture of other chemical products n.e.c.
33.3	-9.7	-22.8	-8.2	-38.2	-10.2	1.4	18.7	15.6	-8.2	-10.5	-18.2	-24.5	-3.7	8.9	-1.2	Other industry
7.7	9.1	-0.5	-0.3	1.3	1.1	6.1	1.3	3.0	3.3	6.5	6.3	7.4	3.0	9.4	8.7	Manufacture of pharmaceuticals, medicinal chemical and botanical products
																Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
7.1	8.3	-1.2	-2.5	0.0	0.1	4.6	4.7	5.8	1.5	5.9	6.8	7.7	2.4	9.6	9.0	Other industry
11.2	12.9	2.6	10.2	7.6	5.8	13.4	-12.3	-8.1	11.8	9.4	4.2	6.2	6.1	8.4	7.6	Other industry
-14.2	-10.4	-13.2	-10.8	-8.8	-5.7	-4.2	-2.9	-3.1	7.2	5.1	1.7	6.5	5.2	5.0	10.1	Manufacture of rubber products
-49.9	-34.9	-43.2	-42.5	-33.1	-26.3	-21.2	-31.4	-32.9	-30.5	-30.9	-32.7	-18.1	-9.9	-10.9	-11.4	Manufacture of rubber tyres for vehicles
26.3	40.4	15.9	12.2	20.0	30.1	39.4	31.4	23.4	23.3	-4.9	-1.1	5.0	5.9	7.8	19.9	Manufacture of interchangeable tyre treads and retreading rubber tyres
																Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
-30.4	-16.4	-30.0	-27.2	-28.7	-16.5	-10.1	-3.7	-4.5	8.4	6.3	6.2	14.2	12.5	9.2	20.6	Rubber remilling and latex processing
-8.3	-8.4	-8.1	-5.8	-3.0	-2.6	-2.1	-1.3	-1.2	8.2	7.4	2.6	6.6	4.4	4.3	10.1	Manufacture of rubber gloves
-19.3	-8.6	-13.1	-7.3	-11.4	-8.2	-8.0	-2.7	-2.3	16.6	9.0	6.8	9.5	11.7	13.9	7.8	Manufacture of other rubber products n.e.c.
-7.1	8.1	-3.9	0.6	-1.7	-0.6	2.8	3.2	2.0	8.8	4.7	3.0	8.3	5.2	4.8	6.0	Manufacture of plastics products
																Manufacture of semi-manufactures of plastic products
-10.0	-0.4	-12.3	-8.8	-8.6	-4.6	-1.6	-1.9	-3.2	2.0	-6.4	-3.2	0.3	-3.0	-3.9	-1.4	Manufacture of finished plastic products
-3.5	5.3	-7.3	-0.9	-8.7	-6.8	-5.1	-2.5	-4.7	7.3	6.6	6.2	13.3	10.6	10.8	10.9	Manufacture of plastic articles for the packing of goods
33.4	41.3	26.9	49.5	40.5	46.9	62.9	65.7	41.2	53.5	19.8	7.5	6.6	6.2	7.9	8.9	Manufacture of builders' plastics ware
12.3	23.5	24.3	6.3	10.6	-2.1	3.2	-5.9	-0.6	0.7	4.0	-9.1	-3.9	-7.0	-9.2	3.2	Manufacture of plastic tableware, kitchenware and toilet articles
-22.3	10.5	-6.2	4.5	5.5	7.7	12.2	13.2	13.5	16.2	12.5	11.5	18.2	14.1	15.8	7.7	Manufacture of diverse plastic products n.e.c.
-3.7	-3.0	1.0	-10.5	-2.4	2.1	0.6	-2.4	-4.4	6.8	6.9	0.3	5.1	1.7	4.5	14.0	Manufacture of glass and glass products

Jadual
Table

1.4b : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
: Sales Value of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2023	2024	2023		
				Q1	Q2	Q3	Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	Jan.	Feb.	Mac
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	16.7	8.4	8.4	7.9	9.0	8.1	7.9	8.5	8.2	8.4	3.8	12.3	9.3
23911 & 23921	Pembuatan mortar refraktori dan konkrit Pembuatan seramik bukan refraktori	6.1	7.9	-7.5	13.3	17.8	12.6	5.2	-0.1	2.7	2.7	-13.3	-3.7	-5.3
23930	Pembuatan produk porselin dan seramik lain	8.2	-7.0	-2.8	-14.1	-9.7	-1.0	-13.5	-1.3	-9.3	-5.6	2.5	-2.5	-8.6
23941	Pembuatan simen hidrolik	22.1	12.4	22.2	13.7	10.1	4.1	2.7	3.9	17.5	3.3	25.3	21.7	19.8
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	23.8	9.1	13.3	8.7	8.1	6.1	5.2	4.2	11.1	4.6	8.1	18.7	13.5
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	10.0	7.3	0.7	6.1	10.8	12.3	17.1	15.4	3.9	16.2	-7.9	6.1	4.8
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	21.8	4.7	8.3	-0.8	2.1	8.7	7.1	19.8	2.0	15.1	3.5	15.7	5.9
	Industri lain	24.9	8.9	5.4	15.9	9.2	5.9	-9.7	-13.5	10.5	-9.5	3.6	5.6	6.9
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	9.6	6.7	7.0	6.3	5.8	7.6	7.2	11.2	7.4	9.2	-3.9	12.6	13.5
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	8.8	1.0	2.6	0.5	-1.2	1.6	-0.4	9.8	-0.03	5.9	1.9	1.9	3.9
243	Pengacuan logam	20.6	7.6	6.3	5.7	13.8	4.9	20.0	12.9	7.2	15.2	7.6	9.0	2.5
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	17.0	11.6	7.1	15.8	12.8	11.3	11.4	8.8	11.2	8.8	1.9	7.1	12.9
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam Pembuatan produk struktur logam lain	16.9	12.3	4.3	19.0	14.9	12.2	10.2	7.8	11.0	8.5	-2.9	8.3	8.8
25120	Pembuatan tangki, takungan dan kontena daripada logam	18.4	10.4	14.3	7.6	9.0	10.9	17.7	14.3	11.3	12.2	16.3	2.3	24.5
	Industri lain	7.6	7.0	16.9	18.9	0.9	-6.4	-15.5	-18.6	16.7	-17.8	10.5	19.9	21.2
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	10.4	6.6	5.7	1.7	8.8	10.2	13.7	17.5	4.3	15.6	3.3	10.8	3.1
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	24.0	5.3	7.9	6.1	4.3	3.2	2.8	3.2	6.9	3.1	8.8	9.1	6.0
25920	Rawatan dan penyalutan logam; menggunakan mesin	21.8	12.8	33.9	10.6	2.1	6.2	23.5	66.1	19.5	44.5	44.5	48.1	10.9
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-2.5	6.4	-6.9	2.8	9.0	22.3	26.0	17.3	-1.2	18.9	-13.6	-3.1	-3.3
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam Pembuatan bolt, skru, nat dan produk uliran seumpamanya	2.7	-1.8	-9.9	-9.3	8.6	7.0	12.7	16.7	-7.8	14.5	-13.5	-4.0	-12.0
25994	Pembuatan barangan rumah daripada logam	7.7	13.2	17.4	15.2	7.5	13.1	11.2	12.5	14.4	10.5	20.1	27.2	6.7
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	21.0	13.1	28.0	7.0	10.2	9.4	8.3	5.9	16.2	8.5	26.5	29.7	27.8
	Industri lain	21.7	43.8	39.4	45.1	52.0	39.6	18.0	23.7	42.7	22.5	23.0	55.6	43.4
261	Pembuatan komponen dan papan elektronik	28.9	2.5	16.5	7.4	-1.5	-9.4	-1.7	3.2	10.6	0.9	13.8	18.4	16.8
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya Pembuatan litar elektronik bersepadu dengan pemasangan mikro	34.0	-2.9	5.7	-2.1	-2.5	-11.9	-2.0	6.4	2.1	2.0	6.3	4.8	6.0
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik Pembuatan papan litar bercetak Pembuatan komponen paparan	21.4	8.4	36.1	21.1	-3.7	-10.4	-7.5	-5.6	23.7	-6.1	28.5	42.6	36.1
26109	Pembuatan komponen lain untuk aplikasi elektronik	29.8	35.3	15.8	33.2	44.2	44.0	78.3	47.8	27.7	58.5	3.9	21.3	22.3
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	8.0	2.2	-2.6	-1.3	10.6	4.2	19.5	31.7	-0.1	28.0	-3.4	-2.3	-2.0
263/ 26300	Pembuatan peralatan komunikasi	0.3	41.7	10.8	50.0	69.7	37.6	32.5	25.3	35.9	28.9	6.2	12.3	13.2
264/ 26400	Pembuatan peralatan elektronik pengguna	11.0	-1.5	-9.3	-3.6	4.4	2.4	-3.2	5.8	-4.9	2.7	-16.7	-5.6	-5.5
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	30.3	3.1	2.9	1.1	0.1	7.9	12.8	28.2	1.1	20.7	-10.5	12.1	11.9
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan Pembuatan kelengkapan kawalan proses perindustrian	31.7	4.5	4.0	4.4	0.4	8.7	13.3	31.8	3.0	23.0	-10.7	14.4	14.1
26520	Pembuatan jam tangan dan jam dan bahagiannya	20.9	-6.5	-6.6	-19.3	-2.6	1.3	8.6	-0.1	-12.0	1.3	-8.5	-5.4	-5.5
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-34.3	4.6	27.8	-8.0	-4.6	8.7	25.5	9.8	4.8	15.7	25.8	26.5	30.8

2024																Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
5.7	10.6	7.8	8.1	8.2	10.7	8.2	8.9	7.4	12.7	3.9	7.2	10.2	8.0	7.0	10.4	Manufacture of non-metallic mineral products n.e.c.
																Manufacture of refractory mortars and concretes
11.4	28.6	2.6	11.6	18.6	22.9	21.1	14.0	4.2	13.5	1.5	1.0	1.2	-0.01	-1.6	3.2	Manufacture of non-refractory ceramic
-13.6	-12.2	-16.5	-13.4	-6.6	-8.8	-1.0	1.6	-3.5	-15.0	-14.1	-11.1	-2.5	-3.3	2.1	6.4	Manufacture of other porcelain and ceramic products
13.7	14.2	13.2	13.6	8.8	8.1	4.1	5.9	2.4	2.7	0.1	5.0	5.5	3.5	2.6	3.6	Manufacture of hydraulic cement
8.6	8.9	8.6	10.8	6.5	7.2	6.6	7.6	4.2	9.1	0.8	5.7	10.4	1.3	0.9	4.0	Manufacture of ready-mix and dry-mix concrete and mortars
																Manufacture of precast concrete, cement or artificial stone articles for use in construction
-0.9	9.4	11.2	8.8	9.9	13.8	10.3	12.4	14.0	27.0	11.5	13.3	17.7	13.8	14.4	15.9	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
																Manufacture of other articles of concrete, cement and plaster n.e.c.
3.2	5.6	-10.3	-8.9	3.7	12.4	8.6	8.5	8.9	9.6	1.0	11.1	11.0	29.1	19.9	29.0	Manufacture of other non-metallic mineral products n.e.c.
15.3	15.3	17.2	12.9	6.4	8.6	12.7	2.1	3.5	-5.0	-3.6	-19.8	-10.6	-13.5	-16.5	4.6	Other industry
2.1	5.1	12.9	13.3	1.2	5.0	4.6	9.9	8.4	5.9	7.9	7.7	14.7	11.0	7.3	11.2	Manufacture of basic iron and steel
1.8	6.5	-8.2	-12.9	-0.5	6.5	3.8	2.6	-1.4	1.3	-3.2	0.8	5.1	7.5	20.1	21.4	Manufacture of basic precious and other non-ferrous metals
-1.5	3.6	16.1	16.5	14.2	11.3	13.6	3.1	-1.3	23.1	18.1	18.8	28.1	13.6	-2.4	7.9	Casting of metals
17.5	18.9	11.2	11.2	12.4	14.8	10.5	13.7	9.7	10.4	14.5	9.5	11.8	5.2	9.5	0.1	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
																Manufacture of metal doors, windows and their frames, shutters and gates
20.5	21.2	15.3	10.2	18.1	16.6	10.3	15.5	10.8	11.4	11.3	7.8	10.7	4.7	8.1	5.2	Manufacture of other structural metal products
9.8	12.3	1.6	13.7	1.9	11.5	12.3	10.8	9.6	10.2	27.5	17.0	17.3	8.9	16.4	-9.4	Manufacture of tanks, reservoirs and containers of metal
21.0	23.7	12.5	9.8	-10.3	5.6	-2.8	0.7	-15.3	-13.3	-14.1	-19.1	-15.3	-17.6	-22.9	-22.4	Other industry
-2.9	4.2	4.2	8.5	8.9	9.0	8.2	9.3	13.0	14.0	4.8	22.8	21.4	13.7	17.1	16.0	Manufacture of other fabricated metal products; metal working service activities
																Forging, pressing, stamping and roll-forming of metal; powder metallurgy
5.4	8.3	4.6	6.1	6.7	0.2	1.8	3.1	4.8	4.6	2.5	1.5	4.8	2.1	2.6	3.3	Treatment and coating of metals; machining
9.4	16.3	6.7	4.4	4.9	-2.4	4.3	3.8	10.0	5.9	7.1	65.1	60.0	56.7	82.0	55.3	Manufacture of tins and cans for food products, collapsible tubes and boxes
-3.5	11.6	1.4	6.3	9.0	11.5	17.2	19.6	29.6	31.8	16.1	30.1	30.9	13.9	7.3	2.8	Manufacture of metal cable, plaited bands and similar articles
-15.6	-10.5	-0.3	6.0	8.0	12.0	5.4	8.0	7.7	11.0	6.5	20.9	22.6	13.4	14.1	13.6	Manufacture of bolts, screws, nuts and similar threaded products
22.8	17.5	5.8	4.2	8.8	9.8	15.1	13.9	10.3	12.3	13.8	7.3	7.2	8.4	22.7	2.5	Manufacture of metal household articles
2.3	12.2	7.8	13.5	8.0	9.4	8.0	6.9	13.2	16.3	-7.0	16.3	8.6	2.1	6.7	17.6	Manufacture of any other fabricated metal products n.e.c.
41.2	51.3	43.4	46.0	52.6	57.5	43.7	40.3	35.3	16.1	19.8	18.1	20.9	18.9	32.0	32.1	Other industry
9.5	6.5	6.5	3.5	-2.5	-4.6	-7.2	-11.6	-9.6	-2.3	-3.3	0.1	-2.3	9.1	2.8	2.1	Manufacture of electronic components and boards
																Manufacture of diodes, transistors and similar semiconductor devices
-6.3	-0.7	0.4	3.9	-4.8	-5.6	-10.8	-13.9	-11.1	-6.6	-2.8	2.3	2.2	11.7	5.4	2.1	Manufacture of electronic integrated circuits micro assemblies
																Manufacture of electrical capacitors and resistors
36.4	15.7	13.7	-0.5	-2.3	-7.5	-5.6	-12.7	-12.8	-3.9	-10.1	-7.8	-11.3	-0.03	-5.1	-2.7	Manufacture of printed circuit boards
																Manufacture of display components
28.9	29.1	40.8	45.2	40.8	46.3	35.7	40.6	58.4	94.4	83.5	60.8	37.8	65.5	40.4	43.8	Manufacture of other components for electronic applications
-7.7	12.3	-5.1	12.4	10.9	7.8	4.3	5.0	3.4	15.5	17.8	25.3	29.4	29.2	37.1	40.4	Manufacture of computers and peripheral equipment
51.6	52.6	46.8	81.3	68.7	63.1	35.2	35.5	41.6	42.1	38.2	20.9	8.1	46.2	21.7	31.8	Manufacture of communication equipment
-14.2	3.7	1.3	5.7	2.1	5.4	6.7	0.2	0.1	0.9	-0.3	-8.9	-9.6	10.8	15.6	10.7	Manufacture of consumer electronics
2.9	6.8	-4.5	-4.0	-5.0	8.6	9.5	7.6	6.5	8.1	17.5	13.5	21.7	38.0	25.2	24.6	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
																Manufacture of measuring, testing, navigating and control equipment
7.6	10.9	-2.8	-3.8	-4.7	9.1	10.9	9.1	6.3	8.3	18.3	14.0	23.9	41.6	29.6	30.1	Manufacture of industrial process control equipment
-23.6	-18.2	-16.5	-5.4	-7.0	5.0	-0.4	-3.4	9.0	6.4	10.6	9.1	4.0	8.3	-10.3	-13.0	Manufacture of watches and clocks and parts
-15.7	10.1	-13.4	-9.2	-8.9	5.3	10.6	2.6	14.2	48.4	17.8	12.9	13.4	26.2	-8.1	2.0	Manufacture of irradiation, electromedical and electrotherapeutic equipment

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Table

1.4b : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
: Sales Value of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2023		2024		2023	
				Q1	Q2	Q3	Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	Jan.	Feb.	Mac	
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	33.7	24.2	26.0	20.2	22.7	27.7	33.4	11.2	21.9	18.9	21.8	28.7	27.5	
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	33.3	11.9	9.0	5.8	20.9	10.9	4.3	4.1	9.0	3.1	14.3	10.5	3.1	
27101	Pembuatan motor elektrik, penjana dan transformer	17.2	-4.6	-9.8	-18.4	6.9	2.9	2.1	5.0	-13.3	3.4	-7.6	-3.4	-17.4	
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	42.5	19.7	18.6	18.2	27.2	14.4	5.2	3.8	20.2	3.0	26.5	17.1	13.2	
272/ 27200	Pembuatan bateri dan akumulator	33.6	-3.4	29.0	25.1	-26.0	-19.6	-3.6	0.2	17.0	5.8	34.6	33.5	18.9	
273	Pembuatan pendawaian dan peranti pendawaian	0.02	-8.7	-9.5	-12.8	-8.0	-4.3	-6.8	-1.5	-10.8	-3.5	-13.1	-5.5	-9.5	
27310	Pembuatan kabel gentian optikal	14.9	27.3	23.6	28.7	39.6	17.4	4.7	-5.9	28.1	-4.8	29.5	20.3	21.3	
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	0.1	-9.7	-9.3	-13.5	-9.9	-5.5	-8.4	-2.4	-11.3	-4.4	-13.2	-5.4	-9.1	
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-7.4	-14.4	-25.6	-23.3	-5.0	2.2	11.0	14.8	-23.5	11.2	-29.3	-19.8	-27.2	
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	27.1	9.4	9.3	1.2	17.2	8.9	16.5	13.5	8.0	14.2	19.2	12.1	-1.0	
275/ 27500	Pembuatan perkakasan domestik	8.7	-3.9	2.8	-0.3	-3.0	-14.1	3.1	1.7	0.5	2.8	-9.3	11.8	7.8	
279/ 27900	Pembuatan kelengkapan elektrik lain	4.0	15.2	10.3	24.7	20.7	6.6	-6.5	-16.1	19.2	-12.3	10.2	10.8	9.8	
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	6.9	-1.9	4.9	-2.3	-8.1	-1.3	1.9	3.2	-0.4	3.0	2.5	5.7	6.6	
28120 & 28130	Pembuatan alat-alat kuasa bendalir	2.4	-10.5	12.7	-21.2	-26.3	0.3	2.0	-0.8	-10.9	1.6	11.5	24.1	2.4	
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	1.0	-2.8	6.5	-8.6	-8.3	0.7	13.9	16.5	-3.8	15.4	5.2	6.1	8.4	
28192	Pembuatan jentera pembentukan logam dan alatan mesin	-6.1	-16.3	-21.7	-17.5	-22.8	-1.5	2.9	2.4	-20.7	3.7	-23.6	-22.8	-18.5	
28290	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	-6.1	-16.3	-21.7	-17.5	-22.8	-1.5	2.9	2.4	-20.7	3.7	-23.6	-22.8	-18.5	
	Pembuatan lain-lain mesin bertujuan khas t.t.t.l.	37.9	-1.7	36.7	10.5	-18.7	-20.0	-23.0	-11.0	18.2	-16.8	32.8	37.6	39.8	
	Industri lain	10.8	14.3	12.5	16.8	17.0	11.1	8.7	3.0	14.9	5.6	9.0	15.5	13.5	
291 (29101 & 29102)	Pembuatan kenderaan bermotor	12.7	15.0	25.1	5.5	17.5	12.5	16.4	20.8	17.1	16.6	23.2	18.7	33.5	
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	17.6	9.3	5.8	-1.3	26.9	10.3	-25.4	-19.3	6.4	-19.6	8.9	15.5	-3.6	
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	17.9	12.6	14.1	10.8	12.1	13.3	9.3	5.3	12.8	7.3	16.0	17.9	9.4	
301 (30110 & 30120)	Pembinaan kapal dan bot	0.9	11.8	26.2	31.3	-1.9	-4.7	-9.2	-2.6	24.1	-4.3	16.1	27.6	34.9	
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	17.1	-2.4	-3.7	-6.3	0.2	-0.1	9.2	6.1	-4.0	6.6	-5.4	-1.8	-3.5	
30910	Pembuatan motosikal	26.3	5.6	11.7	-3.2	10.3	5.1	31.1	17.3	4.6	20.9	12.1	14.6	8.9	
30920	Pembuatan basikal dan invalid carriages	24.3	-19.2	-6.5	-15.3	-26.6	-26.7	-8.8	-4.9	-12.7	-5.8	-6.4	8.4	-17.6	
	Industri lain	9.5	3.0	-8.4	-2.5	11.2	12.4	7.4	5.8	-3.4	5.2	-12.0	-13.0	-1.0	
310	Pembuatan perabot	9.8	0.2	-5.7	-1.9	-1.4	9.8	12.6	10.5	-3.8	10.9	-9.9	-3.3	-3.6	
31001	Pembuatan perabot kayu dan rotan	1.0	-1.4	-9.5	-1.4	-2.6	9.2	15.1	15.1	-6.1	14.0	-15.2	-3.2	-9.3	
	Industri lain	20.5	1.8	-1.5	-2.4	-0.1	10.3	10.0	6.1	-1.4	7.9	-4.0	-3.4	3.2	
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	25.5	-1.4	6.4	-8.1	-7.3	5.7	12.9	17.4	-2.7	19.0	4.8	9.5	5.3	
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	10.7	12.8	4.3	18.3	17.7	10.6	-0.6	-3.8	12.2	-4.4	1.4	7.4	4.1	
32901	Pembuatan alat tulis	9.5	6.1	14.6	11.0	-3.9	4.8	-4.9	7.0	9.2	2.9	16.9	18.6	8.6	
	Industri lain	11.0	14.9	1.2	20.7	25.6	12.4	0.8	-7.1	13.2	-6.7	-3.1	4.1	2.7	
323/ 32300	Pembuatan barangan sukan	5.4	15.5	16.6	30.6	11.7	4.1	4.6	-2.6	22.4	-0.8	17.1	11.2	21.2	
324/ 32400	Pembuatan permainan dan mainan	2.6	-15.1	-28.1	-6.5	-5.1	-18.1	-6.3	3.6	-15.9	5.7	-28.1	-37.0	-18.9	
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	7.9	7.3	7.4	11.5	10.6	1.4	4.7	7.1	9.4	5.7	3.7	15.4	4.5	
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	17.8	7.9	10.2	9.3	9.2	4.0	12.0	19.3	8.9	15.4	9.4	28.5	-0.3	
	Industri lain	2.8	6.9	5.9	12.8	11.5	-0.1	0.6	0.2	9.7	0.3	0.8	9.5	7.8	
Jumlah Pembuatan		15.8	0.2	8.2	-1.0	-2.9	-2.7	1.8	5.7	2.5	4.5	6.5	10.3	8.0	

2024																Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
23.0	38.7	5.0	16.3	23.2	28.8	36.5	25.7	21.9	44.7	33.2	24.0	18.5	16.6	-0.6	1.5	Manufacture of optical instruments, photographic equipment, magnetic and optical media
-1.6	13.7	6.3	17.6	19.8	25.2	14.4	8.9	9.4	8.6	4.7	-0.1	7.6	7.7	-2.5	-2.3	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
-25.1	-9.8	-18.7	-7.8	11.5	17.6	10.9	-6.4	5.0	4.9	0.8	0.3	6.4	6.9	1.8	2.6	Manufacture of electric motors, generators and transformers
11.2	25.3	18.6	29.9	23.5	28.4	15.9	16.1	11.1	10.1	6.2	-0.2	8.1	8.0	-3.9	-4.0	Manufacture of electricity distribution and control apparatus
39.8	27.6	12.7	-27.8	-25.6	-24.9	-26.9	-10.3	-19.4	-6.7	-4.0	0.6	-1.2	8.0	-5.4	64.6	Manufacture of batteries and accumulators
-19.0	-8.2	-10.4	-8.9	-10.7	-4.5	-2.5	-3.1	-7.4	1.6	-11.3	-10.6	-4.6	6.1	-5.9	0.6	Manufacture of wiring and wiring devices
8.1	42.7	38.6	38.0	41.5	39.1	40.9	7.9	8.3	8.2	9.3	-3.2	-1.2	-5.3	-10.6	-25.1	Manufacture of fibre optic cables
-19.2	-9.5	-11.2	-10.1	-13.3	-6.3	-4.4	-4.1	-8.2	0.2	-13.6	-12.0	-6.2	5.9	-6.7	2.1	Manufacture of other electronic and electric wires and cables
-30.2	-16.4	-22.6	-17.4	-1.1	5.2	6.2	6.7	-5.7	19.6	10.3	3.7	17.6	17.0	9.9	0.7	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
-1.2	6.8	-1.8	24.7	15.9	12.2	18.9	10.0	-1.2	26.1	15.2	8.4	19.4	17.0	4.8	10.4	Manufacture of electric lighting equipment
-1.9	0.8	0.3	-3.4	0.5	-6.2	-12.1	-13.2	-17.0	4.6	3.7	1.1	1.5	1.4	2.1	5.1	Manufacture of domestic appliances
19.8	35.4	19.7	30.8	17.8	15.0	8.0	8.1	3.5	2.2	-11.6	-10.1	-15.8	-16.2	-16.2	-16.8	Manufacture of other electrical equipment
-4.2	5.5	-7.4	-8.9	-9.7	-5.7	-3.4	2.5	-2.9	3.3	1.6	0.7	4.6	2.4	2.7	5.6	Manufacture of general-purpose and special-purpose machinery
-25.5	-13.2	-23.7	-30.6	-39.1	-9.9	-12.5	6.4	9.2	8.6	-1.4	-2.0	-4.8	0.8	1.6	8.5	Manufacture of fluid power equipment
-11.6	-5.3	-8.7	-14.2	-6.3	-4.2	-3.0	2.1	2.6	11.8	11.1	19.0	18.9	15.0	15.6	16.5	Manufacture of other pumps, compressors, taps and valves
-21.2	-2.6	-27.1	-29.5	-20.7	-18.1	-11.9	5.3	2.2	5.9	4.9	-1.8	-0.1	-1.6	10.3	13.0	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
28.7	18.6	-9.5	-3.7	-32.8	-17.3	-15.1	-15.2	-28.3	-19.8	-24.3	-25.0	-12.2	-3.4	-16.6	-15.0	Manufacture of metal-forming machinery and machine tools
8.8	20.7	20.8	16.2	21.5	13.0	14.8	12.3	6.5	9.0	9.2	7.8	10.9	-0.5	-0.6	5.1	Manufacture of air-conditioning machines, including for motor vehicles
-13.4	22.3	9.3	26.7	16.0	11.1	24.3	10.9	5.1	29.4	19.6	0.8	43.0	23.0	-0.6	6.3	Manufacture of other special-purpose machinery n.e.c.
-15.2	6.7	10.0	43.3	29.2	11.5	12.7	9.8	8.5	-25.1	-28.4	-23.2	-26.9	-26.4	-1.4	-2.1	Other industry
-1.2	22.4	11.7	14.8	12.1	9.4	15.4	12.3	12.5	16.9	13.9	-1.7	16.3	10.8	-10.2	7.5	Manufacture of motor vehicles
39.8	41.3	12.7	-5.5	-3.7	2.8	0.2	-10.7	-3.7	-12.3	-10.6	-5.3	-6.1	3.1	-3.1	10.5	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-15.8	-1.1	-0.2	2.3	1.0	-2.5	-6.5	6.0	-0.03	13.9	10.4	3.8	8.1	5.6	4.7	-0.02	Manufacture of parts and accessories for motor vehicles
-12.3	-3.6	6.9	10.9	8.7	11.1	5.0	5.5	4.7	41.4	30.3	21.5	22.3	22.6	8.0	5.2	Building of ships and boats
-18.2	-12.8	-14.7	-22.4	-25.7	-31.2	-30.2	-25.3	-24.3	-4.3	-17.0	-5.5	-7.3	-7.1	-0.1	1.5	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
-16.2	8.2	4.8	12.3	13.6	8.0	1.9	24.2	10.7	9.2	15.0	0.2	8.7	3.4	5.2	-3.8	Manufacture of motorcycles
-8.4	8.1	-5.4	-1.3	0.3	-2.8	8.1	9.6	11.5	13.0	9.2	15.3	16.1	8.3	6.3	5.4	Manufacture of bicycles and invalid carriages
-2.6	10.9	-12.6	-5.0	1.0	-3.7	6.1	9.1	12.1	13.7	9.8	21.5	22.1	15.6	5.7	5.5	Other industry
-13.4	5.8	2.9	2.8	-0.5	-1.9	10.0	10.2	10.8	12.4	8.6	8.8	10.3	1.9	6.8	5.3	Manufacture of furniture
-7.8	-7.9	-8.6	-8.8	-10.2	-3.7	2.5	4.7	9.7	12.4	9.8	16.7	18.2	12.7	21.6	47.0	Manufacture of wooden and cane furniture
11.4	28.9	15.1	17.8	18.1	17.1	17.5	9.0	5.5	1.6	-0.9	-2.6	-1.7	-2.7	-7.3	-16.1	Other industry
14.3	14.6	4.3	-7.8	-5.0	2.2	6.9	-0.1	7.6	-4.7	-10.3	0.4	4.9	4.7	11.6	13.3	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
10.5	33.6	18.9	28.1	27.3	21.7	20.9	11.8	4.9	3.8	2.3	-3.6	-3.7	-4.9	-13.1	-24.6	Manufacture of stationery
32.4	39.6	18.6	16.3	11.8	7.0	6.5	0.2	5.6	10.9	6.3	-2.4	-1.7	-2.6	-3.8	-12.4	Other industry
-21.2	2.2	5.8	-0.9	-6.5	-7.2	-6.9	-25.6	-21.6	-15.9	-1.2	-1.5	-9.2	-6.3	37.8	57.3	Manufacture of sports goods
9.8	12.4	12.9	10.8	11.0	10.2	3.0	0.8	0.5	3.4	3.0	7.4	5.6	7.3	9.2	4.8	Manufacture of games and toys
12.6	6.7	6.5	2.8	15.0	9.4	5.8	3.4	2.8	9.2	12.8	13.7	14.0	23.0	24.8	15.5	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
8.1	15.6	16.4	15.5	8.7	10.8	1.4	-0.7	-0.8	0.3	-2.2	3.4	-0.03	-0.8	1.5	-0.8	Repair and maintenance of transport equipment except motorcycles and bicycles
-2.0	3.3	-4.0	-3.0	-3.3	-2.4	-1.4	-2.6	-4.2	3.2	0.7	1.4	5.7	5.5	5.9	9.1	Other industry
Total Manufacturing																

Jadual **1.4c** : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
 Table : Sales Value of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024		2023				
		Q1	Q2	Q3	Q4	Q1	Q2	Jan.	Feb.	Mac	Apr.	Mei
101	Pemprosesan dan pengawetan daging	-0.5	5.5	-2.8	-0.1	3.3	3.2	1.9	5.4	-0.9	4.8	0.2
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	0.7	2.6	4.4	1.0	-4.6	0.2	8.1	-10.7	5.2	-3.0	12.3
	10201 Pengetinan ikan, krustasea dan moluska											
	&											
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	0.2	2.6	4.7	0.3	-4.9	0.1	8.6	-11.6	5.5	-2.9	12.6
	Industri lain	7.4	1.3	-0.4	11.7	-0.3	1.5	1.6	2.5	1.8	-3.8	8.1
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	10.3	16.0	3.3	1.7	1.5	3.8	4.7	3.5	16.1	-2.4	8.0
	10303 Pengetinan nanas											
	&											
	10304 Pembuatan jem, marmalad dan sajian jeli	8.4	28.3	3.2	4.1	-1.5	2.3	8.7	6.8	17.9	-5.2	21.8
	Industri lain	10.9	12.6	3.3	0.9	2.5	4.3	3.7	2.6	15.5	-1.6	4.1
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	-21.1	0.8	8.1	10.1	-16.8	10.5	-18.1	-5.4	-6.8	5.1	3.6
	10404 Pembuatan minyak sayuran mentah dan bertapis											
	&											
	10406 Pembuatan sebatian lemak masakan	-4.9	5.1	1.1	-2.3	-1.9	-7.0	-17.4	6.7	1.2	0.3	6.4
	10405 Pembuatan minyak kelapa	-20.3	-13.8	13.2	10.2	9.1	0.5	-17.8	-13.9	-9.7	-11.6	25.8
	Industri lain	-23.1	0.3	9.1	11.9	-18.9	13.2	-18.1	-6.9	-8.0	6.0	3.0
105	Pembuatan produk tenusu	0.2	4.1	-7.8	0.2	-2.8	2.0	-3.1	2.6	7.9	-1.1	2.1
	10502 Pembuatan susu pekat, tepung dan sejat	0.7	3.8	-9.2	0.1	-3.3	0.8	-3.6	3.8	8.2	-1.3	1.7
	Industri lain	-6.5	7.8	13.8	0.7	2.8	16.2	3.7	-13.4	2.9	3.0	9.7
106	Pembuatan produk bijian, kanji dan produk berkanji	1.5	1.6	-1.3	2.1	3.6	6.0	-4.7	6.7	2.6	-2.0	3.7
	10611 Pengilangan beras	2.4	3.6	-4.8	-0.3	4.9	10.5	-7.4	17.4	0.2	-0.4	5.3
	10613 Pengilangan tepung	1.7	0.2	2.2	4.2	2.3	2.0	-1.9	-2.0	5.4	-3.6	2.3
	Industri lain	-13.8	-7.1	2.7	5.7	5.8	2.0	-7.4	-6.9	-0.1	-2.7	-2.4
107	Pembuatan produk makanan lain	0.9	4.6	1.8	4.3	-0.1	5.6	-0.6	1.2	2.1	-2.1	9.4
	10711 Pembuatan biskut dan cookies	-1.0	13.5	11.3	12.5	-9.9	4.8	-6.3	8.1	0.8	-0.2	15.9
	10712 Pembuatan roti, kek dan produk bakeri lain	10.0	6.0	-3.1	-5.2	3.5	5.8	6.4	-4.6	6.3	-4.7	14.2
	10713 Pembuatan produk snek	-4.6	14.1	7.9	11.2	3.4	10.5	-10.9	3.4	13.3	-1.5	10.3
	10721 Pembuatan gula	-0.6	16.0	9.1	9.4	-7.6	6.5	-2.9	2.7	-0.8	-0.2	18.2
	10731 Pembuatan produk koko	2.1	-3.8	2.1	7.5	16.3	21.4	0.4	11.1	-14.4	-0.3	10.4
	10732 Pembuatan coklat dan produk coklat											
	&											
	10733 Pembuatan konfeksi gula	-1.4	0.2	-2.4	4.9	0.3	5.1	1.6	-1.7	1.1	-1.0	6.8
	10793 Pembuatan sos dan bahan perasa	-1.5	1.0	8.0	8.2	-0.9	6.0	-5.9	10.3	2.8	1.8	-12.7
	10799 Pembuatan produk makanan lain t.t.t.l.	-6.3	-1.8	3.1	11.1	-7.3	-4.2	-4.9	3.4	1.9	-3.9	4.4
	Industri lain	0.8	5.2	2.6	1.2	2.4	3.4	-3.3	3.2	3.6	-2.3	7.4
108/ 10800	Pembuatan makanan haiwan tersedia	2.9	14.8	2.9	-5.1	-3.5	5.1	-0.3	2.3	6.0	6.5	5.1
110	Pembuatan minuman ringan	-1.4	-2.3	4.9	4.7	-1.1	-0.4	1.5	-0.4	6.8	0.4	-6.3
	11041 Pembuatan minuman ringan	-4.3	-1.2	9.7	5.0	-2.4	0.2	-7.9	3.6	8.5	0.6	-10.5
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	3.1	3.1	8.0	-6.2	-2.4	1.2	-2.8	11.9	6.9	0.4	-4.8
	Industri lain	2.0	-5.4	-3.4	7.7	1.5	-1.7	18.5	-8.7	4.2	0.3	-0.1
120/ 12000	Pembuatan produk tembakau	29.1	-16.7	-19.0	25.1	29.4	-14.7	30.3	-11.5	29.7	-20.7	4.9
131	Pemintalan, penenunan dan penyiapan tekstil	-8.9	0.3	-6.9	-1.3	8.4	7.2	-10.8	-8.9	8.8	-4.0	5.0
	13110 Penyediaan dan pemintalan gentian tekstil											
	&											
	13120 Penenunan tekstil	-5.6	-0.8	-11.1	-4.3	11.2	7.0	-9.3	-9.2	8.3	-3.7	5.9
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-18.9	4.4	7.2	7.4	1.4	8.4	-16.6	-7.5	10.9	-4.9	1.7
	Industri lain	-12.1	-12.8	-1.5	-13.0	13.5	-22.2	12.5	-23.1	-0.7	-4.6	8.9
139	Pembuatan tekstil lain	7.1	-2.5	0.5	8.6	8.7	-3.7	6.4	-0.05	-0.8	-2.1	-0.1
	13910 Pembuatan fabrik dikait dan dikrusye	-0.3	-2.6	-4.1	3.6	9.1	-2.3	0.01	0.2	-0.1	-2.6	-0.2
	Industri lain	13.0	-2.4	3.7	11.8	8.5	-4.5	11.4	-0.2	-1.3	-1.8	0.04
141	Pembuatan pakaian, kecuali pakaian berbulu	2.6	-6.1	0.6	7.2	2.7	-7.7	-2.8	0.7	-0.2	-5.3	1.1
	14102 Pembuatan pakaian	0.7	-4.1	1.0	6.4	1.2	-8.5	-4.5	-0.04	-2.0	-2.2	1.7
	Industri lain	16.6	-18.9	-2.8	13.4	14.4	-2.4	12.2	5.8	12.3	-24.2	-3.5
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	9.8	-10.0	3.5	19.1	9.4	-14.7	12.6	5.1	1.3	-12.5	1.1
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-7.8	-13.6	6.2	25.2	-7.2	-16.7	-2.7	-3.5	4.8	-12.7	0.4
152	Pembuatan kasut	2.9	-2.5	2.6	11.4	-3.9	-9.0	3.9	-7.2	5.4	0.3	-3.5
	15201 Pembuatan kasut kulit											
	&											
	15203 Pembuatan kasut getah	-1.4	-2.4	6.1	14.1	-4.4	-11.4	4.2	-10.3	4.3	2.0	-4.1
	Industri lain	11.7	-2.7	-3.6	5.9	-2.7	-3.9	3.5	-1.3	7.4	-2.5	-2.5
161/ 16100	Pengilangan dan pengetaman kayu	7.7	-29.9	5.8	16.1	6.1	-27.3	-3.0	2.1	13.6	-21.8	-19.3

2024														Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
-1.8	-3.6	2.9	0.2	-0.03	1.6	-6.6	5.9	2.6	-0.8	2.5	2.4	-3.8	-0.4	Processing and preserving of meat
-5.3	4.8	-1.2	0.7	3.2	-1.5	-3.4	4.5	-10.8	3.8	0.7	2.3	-1.9	-0.7	Processing and preserving of fish, crustaceans and molluscs
-5.2	5.6	-1.6	0.0	3.4	-1.9	-3.6	4.7	-11.4	4.3	1.1	1.5	-2.2	-0.1	Canning of fish, crustaceans and molluscs
-5.9	-6.6	6.2	11.7	-0.1	3.6	-0.8	2.0	-2.6	-3.3	-4.8	13.8	2.1	-7.5	Processing, curing and preserving of fish, crustacean and molluscs
														Other industry
4.0	-3.2	-1.3	7.2	-1.5	1.1	-5.1	8.3	-6.8	3.9	1.8	4.1	-2.8	0.8	Processing and preserving of fruits and vegetable
														Pineapple canning
11.4	-10.1	-3.2	9.0	2.9	-0.7	-8.7	6.2	-5.1	7.3	-4.1	6.6	-2.1	0.3	Manufacture of jams, marmalades and table jellies
1.6	-0.8	-0.7	6.6	-2.9	1.7	-3.9	9.0	-7.3	2.9	3.7	3.4	-3.0	1.0	Other industry
0.4	-3.9	8.7	14.1	0.9	-3.5	-0.3	1.1	-23.5	-3.3	20.4	4.3	2.1	7.1	Manufacture of vegetable and animal oils and fats
														Manufacture of crude and refined vegetable oil
-6.9	-1.4	6.5	3.0	-2.3	-9.1	6.9	5.4	-12.6	1.3	-10.1	6.1	9.6	1.1	Manufacture of compound cooking fats
-16.3	10.3	10.5	1.4	10.0	-14.4	20.2	-0.3	5.3	-3.6	-11.9	20.0	3.9	13.5	Manufacture of coconut oil
1.7	-4.4	9.0	15.8	1.3	-2.7	-1.3	0.5	-25.3	-4.0	25.8	4.0	1.2	7.8	Other industry
-6.3	-6.9	6.0	-3.3	2.3	1.7	-8.6	0.05	0.5	6.8	-1.7	2.0	-6.2	1.5	Manufacture of dairy products
-7.0	-7.6	6.0	-4.0	2.6	2.2	-8.9	-1.1	1.3	7.4	-2.2	0.4	-6.9	1.4	Manufacture of condensed, powdered and evaporated milk
4.1	2.1	5.2	5.5	-0.2	-4.1	-4.6	13.1	-7.4	0.3	4.9	19.8	0.8	1.7	Other industry
-7.6	-0.6	3.1	4.2	-0.5	-0.8	-1.8	5.8	-6.5	12.2	-1.5	4.4	-2.5	-1.9	Manufacture of grain mill products, starches and starch products
-13.5	0.2	2.3	4.7	-2.1	-2.9	0.1	3.4	-5.8	20.0	-1.3	4.8	-4.9	0.3	Rice milling
-1.5	-1.5	4.2	3.4	1.0	1.1	-3.5	7.8	-7.2	5.3	-2.0	4.7	-0.1	-3.8	Flour milling
-1.1	1.4	-1.3	11.2	0.2	-0.8	-1.9	9.3	-6.9	9.4	2.5	-6.0	0.1	-5.9	Other industry
-3.5	-1.9	4.1	1.5	1.6	1.9	-2.7	1.6	-3.4	5.3	0.8	6.1	-4.7	-0.08	Manufacture of other food products
-0.7	6.0	0.5	0.7	7.9	6.7	-2.5	-7.9	-9.1	11.6	-0.2	1.4	-0.2	6.3	Manufacture of biscuits and cookies
-2.4	-4.3	2.6	-9.0	0.7	0.05	-1.6	7.2	-6.0	4.7	4.2	2.8	-3.8	2.6	Manufacture of bread, cakes and other bakery products
-3.3	-1.2	9.3	5.3	1.3	6.1	-2.5	6.3	-11.7	16.4	-0.03	10.1	-6.6	0.5	Manufacture of snack products
9.3	-7.5	4.3	8.1	3.5	2.1	-7.1	-4.9	0.8	2.4	0.4	10.3	-7.3	0.5	Manufacture of sugar
-9.1	5.7	-0.5	0.3	8.5	-0.3	-2.2	18.3	1.2	-2.8	6.0	27.3	-4.6	-5.0	Manufacture of cocoa products
														Manufacture of chocolate and chocolate products
-9.5	-2.4	6.0	2.1	-0.4	4.3	-2.6	-2.5	0.4	8.7	-1.3	5.7	-9.1	-1.2	Manufacture of sugar confectionery
9.8	-2.5	9.6	7.1	0.02	-0.1	1.4	-0.5	-2.7	1.6	4.5	1.5	0.9	-10.9	Manufacture of sauces and condiments
-8.7	-1.0	8.8	9.2	3.0	0.7	-3.8	-2.2	-3.9	-1.1	-1.5	0.7	-3.4	-1.1	Manufacture of other food products n.e.c.
-2.5	-0.2	0.9	4.7	-1.0	-0.9	-1.5	4.4	-3.7	5.7	-1.5	4.1	-0.9	0.5	Other industry
-1.1	1.9	-0.03	0.3	0.7	-3.5	-11.4	4.0	-1.1	8.2	-0.8	4.8	-6.4	2.7	Manufacture of prepared animal feeds
-8.0	10.4	5.5	-2.5	12.4	-9.3	-2.5	2.4	-2.2	9.4	0.2	-6.9	-3.2	8.1	Manufacture of beverages
-3.0	20.2	-2.2	-5.2	16.8	-10.1	2.2	-0.4	-5.6	12.2	2.3	-10.9	-0.8	14.6	Manufacture of soft drinks
-6.0	9.6	7.0	-0.8	-2.4	-5.0	-6.9	0.1	4.7	3.0	1.9	-5.4	-1.7	11.6	Production of natural mineral waters and other bottled waters
-15.7	-4.9	20.5	1.4	10.4	-9.2	-8.9	8.3	1.5	7.0	-3.6	-0.7	-7.4	-3.8	Other industry
-30.3	-1.5	11.0	-8.2	33.2	-3.4	-4.9	27.3	-0.6	20.3	-18.6	3.0	-25.8	1.0	Manufacture of tobacco products
-4.0	-4.1	1.9	-9.0	2.0	3.2	1.0	12.1	-8.3	1.8	4.8	10.3	-7.4	-2.7	Spinning, weaving and finishing of textiles
														Preparation and spinning of textile fibres
-8.3	-3.6	0.1	-12.4	0.5	4.8	2.6	12.5	-9.2	6.0	5.0	4.4	-4.7	-2.4	Weaving of textiles
12.1	-5.8	7.0	1.0	5.7	-0.5	-2.6	10.8	-6.2	-8.4	4.2	28.3	-14.1	-3.5	Dyeing, bleaching, printing and finishing of yarns and fabrics
-13.3	2.5	16.0	-20.5	1.9	-1.1	-12.8	26.8	13.4	-27.3	-9.7	5.8	-2.1	9.7	Other industry
0.7	-1.5	1.6	1.5	5.2	3.4	-1.5	9.8	-1.8	0.5	-4.7	1.7	0.7	-1.2	Manufacture of other textiles
0.3	-4.6	1.6	-2.1	3.8	2.0	-1.6	10.0	-0.9	0.8	-2.6	-0.1	0.6	0.8	Manufacture of knitted and crocheted fabrics
1.0	0.6	1.6	3.9	6.0	4.2	-1.4	9.6	-2.4	0.3	-5.9	2.8	0.7	-2.4	Other industry
-4.7	5.6	-3.6	1.4	3.9	7.6	-4.3	5.1	-7.6	10.8	-8.7	-0.8	-7.7	15.6	Manufacture of wearing apparel, except fur apparel
-5.2	6.6	-3.6	-0.1	4.0	7.6	-3.9	4.3	-9.1	11.3	-7.8	-2.8	-8.2	16.7	Manufacture of clothings
-0.8	-2.7	-4.1	14.1	2.9	7.8	-7.3	12.2	3.2	7.4	-14.5	14.1	-4.3	9.3	Other industry
-1.0	-0.9	-4.1	23.4	6.6	3.9	-10.7	14.1	1.3	4.1	-12.0	-4.3	-9.6	12.1	Manufacture of articles of fur, knitted and crocheted apparel
														Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
-9.5	2.3	9.6	12.3	10.5	8.4	-9.6	-2.6	-3.3	4.6	-15.1	-1.9	-7.5	6.7	
-4.5	2.8	9.7	-6.1	9.2	5.1	-0.5	1.6	-10.2	0.3	-3.9	-2.5	-0.9	-4.6	Manufacture of footwear
														Manufacture of leather footwear
-2.3	3.8	10.6	-4.7	9.8	5.7	0.2	0.6	-12.0	3.7	-9.5	-1.8	3.1	-3.8	Manufacture of rubber footwear
-8.5	1.0	8.1	-9.1	8.0	3.8	-1.8	3.8	-6.4	-6.6	8.5	-3.7	-8.3	-6.4	Other industry
-19.1	4.3	45.4	-5.9	11.7	-3.3	-3.0	10.8	-11.9	23.4	-16.9	-23.7	-18.0	4.0	Sawmilling and planning of wood

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
 Table : Sales Value of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024		2023				
		Q1	Q2	Q3	Q4	Q1	Q2	Jan.	Feb.	Mac	Apr.	Mei
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	2.5	-35.0	8.3	30.5	10.4	-31.7	3.0	-4.2	6.0	-22.5	-20.9
16211	Pembuatan kepingan venier dan papan lapis	7.0	-37.5	9.0	35.8	11.0	-35.0	9.1	-4.5	5.7	-23.6	-23.1
16212	Pembuatan papan partikel dan papan gentian	-5.3	-32.2	6.1	27.2	10.4	-29.8	-8.0	-1.4	8.3	-22.3	-17.9
16221	Pertukangan kayu untuk jurubina	2.9	-36.6	14.0	27.0	8.9	-31.8	6.1	-11.3	3.7	-23.6	-19.8
	Industri lain	3.3	-28.0	4.4	17.4	9.1	-17.7	2.9	-2.0	3.6	-15.7	-20.0
170	Pembuatan kertas dan produk kertas	5.6	-2.4	0.1	2.5	1.9	-2.9	1.9	3.6	5.3	-2.1	-5.7
17010	Pembuatan pulpa, kertas dan kertas tebal	-1.2	-9.0	3.6	6.7	1.0	-1.5	5.4	2.9	-9.9	-0.8	2.0
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	-2.8	-6.0	0.1	3.9	-6.5	-1.4	-4.4	1.2	7.3	-5.7	-4.9
17091	Pembuatan sampul surat dan kad surat	-4.5	-7.1	-5.2	-2.9	-0.1	4.6	4.0	-14.9	12.3	-4.4	-8.0
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	18.4	-0.8	-2.1	-3.0	7.3	-7.3	5.1	4.8	12.0	-2.8	-8.2
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	14.0	8.2	-5.5	2.1	11.7	-6.5	6.6	9.4	13.5	5.4	-19.2
	Industri lain	22.5	8.6	7.5	3.6	8.9	3.7	8.3	8.1	3.5	1.1	5.3
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	3.8	-9.4	0.1	10.0	3.8	-6.1	-1.4	1.7	-1.4	-6.1	-4.8
18110	Percetakan	3.1	-7.7	2.3	11.1	4.8	-4.3	-0.3	2.3	1.3	-6.0	-5.3
18120 &	Aktiviti perkhidmatan berkaitan percetakan	6.1	-15.0	-7.2	6.1	-0.3	-13.6	-4.5	0.2	-9.6	-6.4	-3.3
18200	Penerbitan semula media rakaman											
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	-18.5	1.5	3.4	-7.6	-10.3	8.2	5.3	-23.4	3.7	4.5	7.5
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	5.9	-13.3	3.3	-3.3	6.1	-2.5	-0.8	-0.3	4.3	-15.4	1.2
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	-10.3	-27.3	-4.5	15.5	5.7	13.5	-8.1	-10.2	-13.0	-14.6	3.7
20112 &	Pembuatan kimia organik asas	7.1	-19.3	4.9	-4.1	11.0	-2.1	-2.1	0.3	2.7	-17.1	-6.4
20113	Pembuatan sebatian bukan organik											
20121 &	Pembuatan baja	5.8	-12.4	-10.7	-8.6	-10.2	2.4	3.8	-6.2	5.0	-10.9	8.8
20129	Pembuatan produk campuran nitrogen	7.8	-2.8	5.8	-2.0	1.7	-6.4	0.5	1.7	9.5	-15.2	11.8
20131	Pembuatan plastik dalam bentuk primer	-1.6	-8.3	-1.6	-4.4	8.0	2.7	1.6	-1.0	1.2	-8.5	0.4
	Industri lain											
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	6.0	-3.3	8.1	1.5	7.0	-6.9	-0.1	-4.4	9.0	-13.0	9.4
20210	Pembuatan racun perosak dan produk agrokimia lain	2.9	-3.0	9.8	-2.4	0.2	-9.3	-8.2	-10.6	8.9	-6.8	-4.1
20221	Pembuatan cat, varnis dan penyadur dan mastik	19.8	6.0	9.0	1.6	17.6	-9.2	4.6	0.3	17.8	-13.9	15.4
20222	Pembuatan dakwat cetak	3.9	-4.3	-1.7	-6.7	22.1	-5.7	1.5	-4.5	0.3	-6.2	4.7
20231 &	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilap	3.1	-5.2	8.8	-3.2	5.8	-8.3	-1.4	-0.1	9.1	-17.5	13.4
20232	Pembuatan pewangi dan penyediaan dandanan diri											
20291 &	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials											
20292 &	Pembuatan dakwat menulis dan melukis	-3.2	-11.4	5.7	12.2	-3.7	2.7	0.9	-13.2	-2.7	-6.8	4.1
20299	Pembuatan produk kimia lain t.t.t.l.											
	Industri lain	6.4	-23.3	6.5	28.8	-16.7	-19.3	2.8	-6.9	9.0	-16.3	-12.8
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	5.0	-2.7	3.2	-1.9	6.9	-1.5	5.0	1.1	6.4	-4.6	-8.6
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	6.9	-1.5	0.9	-1.2	6.6	0.4	8.2	0.8	6.6	-2.2	-9.9
	Industri lain	-2.8	-8.4	14.7	-4.9	8.4	-9.6	-7.7	2.2	5.5	-15.5	-2.1
221	Pembuatan produk getah	0.04	11.3	-12.0	-1.4	8.1	12.6	-3.2	-6.8	38.9	-4.0	-4.0
22111	Pembuatan tayar getah untuk kenderaan	-0.9	-7.0	-10.7	-12.9	-5.0	18.0	2.1	-5.9	6.2	-11.0	5.8
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	20.9	1.4	1.5	5.4	-3.6	2.9	4.0	17.0	8.8	-12.1	7.0
22191 &	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	-14.3	-1.9	-1.8	13.7	-2.3	2.7	-11.9	-9.1	14.7	-7.7	1.3
22193	Pengilangan semula getah dan prosesan susu getah											
22192	Pembuatan sarung tangan getah	4.2	16.0	-15.6	-3.4	11.8	15.5	-0.9	-7.2	50.2	-3.0	-5.4
22199	Pembuatan produk getah lain yang t.t.t.l.	-12.5	0.9	6.3	1.9	1.3	1.8	-11.1	-5.2	10.7	-4.0	-2.6
222	Pembuatan produk plastik	-7.1	11.7	-0.3	-0.8	-4.7	12.5	-10.7	-0.2	12.6	4.0	4.3
22201 &	Pembuatan produk plastik separa siap	-2.6	10.0	-4.9	-4.0	-2.9	10.3	-7.2	2.5	10.7	-0.1	6.8
22202	Pembuatan produk plastik siap											
22203	Pembuatan artikel plastik untuk pembungkusan barangan	-14.4	12.6	0.1	-0.7	-4.7	17.7	-15.8	-0.7	9.2	6.0	6.8
22204	Pembuatan barangan plastik jurubina	16.8	22.2	10.5	-0.8	-7.8	5.8	-11.9	24.3	29.3	-2.1	4.0
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	-4.0	24.4	-7.8	-10.2	-4.9	18.5	-2.9	-9.3	28.4	10.7	-0.9
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-5.8	3.7	7.1	8.0	-5.5	6.2	-10.1	-1.4	9.0	3.7	0.6
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	5.9	-7.7	-7.0	7.5	13.4	-8.5	-3.1	-4.1	6.5	-7.7	-0.3

2024														Group Description/Period
Jun	Jul	Ogo	Sep	Okt	Nov	Dis	Jan	Feb	Mac	Apr	Mei	Jun	Jul	
-16.1	-0.2	41.1	13.5	11.1	-1.8	-2.3	13.2	-6.4	12.6	-21.6	-21.2	-12.9	5.5	Manufacture of products of wood, cork, straw and plaiting materials
-17.7	-1.8	46.0	20.1	12.2	-2.2	-5.0	15.1	-4.1	10.2	-23.3	-23.0	-16.2	1.4	Manufacture of veneer sheets and plywood
-18.1	-0.1	37.0	14.6	6.2	-1.0	2.6	11.1	-11.5	18.9	-21.9	-19.3	-13.0	10.0	Manufacture of particle board and fibreboard
-9.0	7.6	37.3	-5.1	23.3	-1.8	-6.1	11.2	-0.4	9.1	-23.4	-20.5	-7.9	12.5	Manufacture of builders' carpentry
-10.2	-2.0	35.4	1.7	6.4	-1.8	2.4	11.8	-10.5	12.2	-8.7	-18.7	-2.5	4.3	Other industry
-3.3	-0.1	6.0	1.5	-0.1	0.1	-1.4	3.2	-1.6	2.3	0.7	-6.0	-1.5	3.9	Manufacture of paper and paper products
-11.3	0.8	14.5	2.9	2.1	-2.7	0.1	3.6	2.4	-9.6	2.1	2.6	2.2	3.6	Manufacture of pulp, paper and paperboard
-6.1	1.6	4.0	5.6	0.3	-1.2	-2.1	0.2	-11.6	9.3	-0.2	-5.8	3.3	8.3	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
1.7	-3.2	-0.6	-0.03	0.8	-4.9	-0.5	4.5	-5.6	4.1	11.5	-8.3	-4.3	-5.8	Manufacture of envelopes and letter-card
-4.0	-0.6	8.7	-4.4	-3.8	3.4	-3.6	3.1	3.4	9.4	-2.6	-10.3	-14.4	2.1	Manufacture of household and personal hygiene paper
17.7	-6.8	-3.0	0.5	2.6	-1.2	2.9	5.9	10.1	-7.6	8.8	-19.1	2.1	-8.5	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
-3.1	4.4	4.7	0.5	-1.2	5.5	-2.1	8.9	-2.4	3.8	-3.1	7.5	0.6	9.4	Other industry
-0.1	1.1	0.4	1.5	-1.2	16.5	-2.2	0.8	-0.4	-0.5	-2.4	-6.3	2.4	5.5	Printing, service activities related to printing and reproduction of recorded media
0.4	2.3	0.6	3.3	-2.6	18.8	-2.9	0.9	-0.2	1.4	-2.3	-6.1	3.8	5.3	Printing
-2.0	-3.0	-0.3	-5.3	4.6	7.6	0.8	0.2	-0.9	-8.0	-2.6	-6.9	-3.8	6.5	Service activities related to printing
														Reproduction of recorded media
-1.8	-2.5	9.2	-3.6	1.8	-6.7	-16.5	10.6	-11.5	6.1	6.1	-6.5	21.1	0.6	Manufacture of refined petroleum products
-3.1	1.2	10.7	-9.0	-2.8	3.5	0.8	6.6	-4.6	3.2	0.3	-3.7	-2.7	6.4	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
-15.0	9.8	-2.6	-7.1	8.9	23.9	-8.5	0.7	-0.6	13.6	4.2	1.6	-1.9	11.4	Manufacture of liquefied or compressed inorganic industrial or medical gases
-0.5	2.2	14.0	-10.6	-7.5	9.2	2.7	7.6	-2.4	0.4	7.3	-8.1	-9.3	12.0	Manufacture of basic organic chemicals
														Manufacture of inorganic compounds
														Manufacture of fertilizers
-23.7	-1.1	15.2	-11.2	0.4	-5.3	-7.2	-7.9	-6.1	27.7	-11.1	-0.7	2.9	-6.9	Manufacture of associated nitrogen products
-1.2	0.7	6.6	-6.2	1.4	-1.7	-0.03	5.8	-6.8	4.1	-9.9	2.0	6.8	0.3	Manufacture of plastics in primary forms
-1.5	-2.3	7.6	-9.7	3.8	-6.1	1.2	17.2	-9.9	0.1	5.5	1.6	-0.7	6.3	Other industry
0.8	1.2	5.3	-1.1	-0.8	1.0	1.9	14.0	-15.1	8.8	-7.7	1.9	-0.9	2.5	Manufacture of other chemical products and man-made fibres
15.3	-0.4	3.9	-2.3	4.9	-6.7	-7.3	12.0	-2.7	-5.4	-6.0	0.3	2.9	-3.2	Manufacture of pesticides and other agrochemical products
0.9	-1.7	9.4	-2.5	-1.9	-0.5	8.0	18.1	-15.2	17.8	-12.3	-0.4	-4.2	1.8	Manufacture of paints, varnishes and similar coatings ink and mastics
0.8	0.7	-1.0	-11.2	-8.9	18.4	-2.0	22.8	-11.1	9.7	-0.1	-6.2	-11.0	19.4	Manufacture of printing ink
														Manufacture of soap and detergents, cleaning and polishing preparations
-1.2	3.9	5.5	-6.7	-3.0	2.9	2.2	17.5	-20.0	4.9	-7.1	3.9	2.6	4.4	Manufacture of perfumes and toilet preparations
														Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
-2.8	0.4	2.2	13.1	2.5	2.1	-3.0	4.5	-13.7	8.8	-0.1	4.4	-1.9	0.8	Manufacture of writing and drawing ink
														Manufacture of other chemical products n.e.c.
-9.8	26.6	-24.9	45.5	0.1	13.4	7.2	-18.4	-9.3	-0.3	-22.7	11.2	2.0	14.9	Other industry
10.9	-2.8	2.2	2.2	0.8	-6.6	-1.4	5.3	4.2	6.3	-3.6	-12.4	17.7	-3.4	Manufacture of pharmaceuticals, medicinal chemical and botanical products
9.8	-4.1	2.7	2.0	0.6	-4.8	-2.3	3.8	5.2	7.6	-1.4	-14.3	17.5	-4.7	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
16.3	3.4	0.3	3.3	1.8	-14.0	2.4	12.2	0.04	0.5	-13.9	-2.2	18.8	2.6	Other industry
-3.2	-3.4	-10.1	3.7	3.5	-3.7	-3.5	7.1	-8.6	34.4	0.6	-5.2	-3.4	1.2	Manufacture of rubber products
-4.0	-2.5	-10.2	-2.8	3.7	-16.0	-1.8	5.7	-6.5	3.5	8.2	16.4	-5.0	-3.1	Manufacture of rubber tyres for vehicles
-1.8	-4.6	2.6	10.7	1.8	-3.1	-5.5	3.9	-9.7	13.0	-6.6	7.8	0.02	6.0	Manufacture of interchangeable tyre treads and retreading rubber tyres
														Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
-1.65	1.6	-4.7	1.2	13.1	2.1	-0.1	0.02	-10.9	14.7	-0.8	-0.2	-4.5	12.19	Rubber remilling and latex processing
-4.4	-5.1	-11.9	4.4	2.6	-4.4	-4.8	8.6	-7.9	43.4	0.8	-7.3	-4.5	0.2	Manufacture of rubber gloves
5.7	5.1	-4.0	3.5	0.8	-0.2	1.0	6.1	-11.4	8.5	-1.6	-0.7	7.8	-0.6	Manufacture of other rubber products n.e.c.
-9.8	5.9	-0.5	-0.6	-0.3	1.0	-1.6	-4.7	-4.0	10.7	9.5	1.3	-10.1	7.1	Manufacture of plastics products
														Manufacture of semi-manufactures of plastic products
-6.6	-0.7	-4.2	2.6	-2.0	-3.5	-0.1	-2.3	-5.9	14.4	3.5	3.3	-7.4	1.9	Manufacture of finished plastic products
-11.4	8.2	-2.1	-1.0	0.04	2.9	-3.6	-5.2	-1.4	8.9	13.0	4.2	-11.2	8.3	Manufacture of plastic articles for the packing of goods
-8.6	14.4	1.0	1.7	-1.5	5.1	-11.9	-4.2	-3.0	15.9	-2.9	3.6	-7.1	15.5	Manufacture of builders' plastics ware
-1.8	-3.7	-1.8	-5.0	0.6	-11.4	1.9	-1.6	-6.4	12.3	16.9	-4.1	-4.0	9.5	Manufacture of plastic tableware, kitchenware and toilet articles
-16.3	15.9	7.1	-1.8	0.8	8.8	0.7	-8.0	-4.6	7.9	10.0	-2.8	-15.0	7.8	Manufacture of diverse plastic products n.e.c.
-7.6	1.7	-0.3	-10.0	2.7	16.5	4.0	8.2	-4.0	-0.2	-3.3	-3.6	-5.0	11.0	Manufacture of glass and glass products

Jadual
Table

1.4c

: Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
: Sales Value of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024		2023				
		Q1	Q2	Q3	Q4	Q1	Q2	Jan.	Feb.	Mac	Apr.	Mei
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	12.9	-10.8	0.5	6.9	12.6	-10.3	3.5	2.6	3.3	-9.7	-6.3
23911	Pembuatan mortar refraktori dan konkrit											
&		10.7	-6.4	2.3	6.3	3.4	-11.1	-1.3	3.9	3.6	-8.9	0.02
23921	Pembuatan seramik bukan refraktori											
23930	Pembuatan produk porselin dan seramik lain	-0.6	-6.9	1.2	5.8	-13.2	6.2	3.3	-4.8	-8.4	-0.3	2.5
23941	Pembuatan simen hidrolik	15.2	-12.2	-3.2	6.4	13.6	-11.1	8.1	0.3	4.4	-8.6	-10.3
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	13.7	-11.0	0.5	4.4	12.7	-11.9	2.3	2.5	2.2	-12.4	-1.4
23952	Pembuatan konkrit pratuangan, simen atau artikel batu											
&	buatan yang digunakan dalam pembinaan;											
23953	Pembuatan komponen struktur pasang siap untuk bangunan	11.7	-9.8	2.8	8.4	16.5	-11.2	1.0	3.1	4.1	-9.1	-7.6
&	atau kejuruteraan awam dari simen, batu atau konkrit buatan											
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.											
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	11.2	-14.5	3.7	10.2	9.6	-4.3	1.5	10.5	-0.1	-12.7	-6.3
	Industri lain	20.4	-6.7	-6.7	1.0	2.7	-10.6	15.0	-2.7	9.2	-8.2	-3.0
241												
(24101 &												
24102 &												
24103 &												
24104 &												
24109)												
242												
(24201 &												
24202 &												
24209)												
243	Pengacuan logam	-6.7	5.6	1.2	5.3	6.7	-0.7	-9.1	-2.6	4.9	2.0	-0.9
251 &												
252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	10.1	-0.8	-6.3	8.8	10.2	-3.1	4.3	-8.3	6.5	-0.9	-2.0
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan											
&	pintu pagar daripada logam	14.5	-0.9	-8.7	8.3	12.5	-3.0	6.0	-5.0	2.6	-0.3	-0.4
25119	Pembuatan produk struktur logam lain											
25120	Pembuatan tangki, takungan dan kontena daripada logam	-0.7	0.4	0.0	11.2	5.5	-2.5	0.6	-17.1	18.7	-1.5	-6.7
	Industri lain	9.8	-8.7	-3.0	-3.7	-0.9	-12.0	-0.1	-5.7	5.1	-10.7	1.1
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	4.5	-3.5	-1.3	10.7	7.9	-0.3	1.3	0.6	-4.4	2.8	-4.5
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-1.0	0.2	1.5	2.5	-1.4	0.6	0.4	-2.6	4.1	-0.4	-2.3
25920	Rawatan dan penyalutan logam; menggunakan mesin	10.9	-15.7	-6.4	21.5	28.8	13.4	9.0	-3.9	-16.8	1.8	-7.3
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	3.7	-0.4	7.0	10.7	6.8	-7.3	-0.3	1.4	-1.4	-1.0	1.3
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	6.7	-3.5	-5.2	9.7	12.4	-0.1	1.8	2.0	-4.8	-0.6	0.4
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya											
25994	Pembuatan barangan rumah daripada logam	9.0	-1.3	0.7	4.3	7.2	-0.1	7.8	-2.8	-1.0	4.4	-2.5
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	0.6	-1.9	-2.3	13.5	-0.4	-4.1	-3.4	2.4	-5.5	12.6	-13.9
	Industri lain	21.8	-1.1	7.3	8.0	2.9	3.7	15.6	0.4	4.5	2.0	-5.8
261	Pembuatan komponen dan papan elektronik	-2.7	-5.6	6.7	-7.6	5.6	-0.9	-12.8	15.9	14.7	-21.2	0.4
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya											
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	-4.9	-8.1	11.3	-9.5	5.9	-0.3	-14.5	10.0	18.9	-26.3	3.4
26103	Pembuatan kapasitor dan perintang elektrik											
&												
26104	Pembuatan papan litar bercetak	1.3	-4.2	-1.0	-6.6	4.5	-2.2	-10.6	25.8	9.0	-15.3	-4.3
&												
26105	Pembuatan komponen paparan											
26109	Pembuatan komponen lain untuk aplikasi elektronik	-10.1	23.3	21.0	7.3	11.3	2.2	-7.2	4.2	19.2	-2.9	9.1
262												
(26201 &												
26202)												
263/												
26300	Pembuatan peralatan komunikasi	5.5	30.0	14.5	-12.4	1.6	23.0	-12.4	4.4	29.2	-0.9	3.8
264/												
26400	Pembuatan peralatan elektronik pengguna	-5.0	-2.6	20.6	-8.2	-10.2	6.4	-5.5	3.8	19.2	-15.8	2.0
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	-10.8	-13.0	23.7	12.4	-6.7	-1.1	-7.1	-14.4	15.5	-24.5	6.6
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	-8.9	-14.2	22.6	13.4	-5.1	-0.2	-6.7	-14.5	16.4	-25.9	7.0
26512	Pembuatan kelengkapan kawalan proses perindustrian											
26520	Pembuatan jam tangan dan jam dan bahagiannya	-25.3	-2.4	32.9	4.5	-19.9	-10.2	-10.4	-13.7	7.7	-10.8	4.1
266/												
26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-12.0	-5.5	10.8	17.9	1.6	-17.3	-10.8	2.4	14.9	-16.8	-1.5

2024														Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
0.4	0.4	2.6	0.6	-2.9	11.7	2.5	8.6	-5.4	6.6	-7.2	-8.1	-0.5	3.6	Manufacture of non-metallic mineral products n.e.c.
														Manufacture of refractory mortars and concretes
-2.5	-3.0	4.4	12.3	-5.7	6.1	-2.9	7.6	-7.2	3.1	-8.8	-1.2	-4.1	1.8	Manufacture of non-refractory ceramic
-2.7	2.9	2.2	-6.3	7.9	3.9	-2.6	-9.0	-3.8	-5.2	9.4	1.7	2.7	7.3	Manufacture of other porcelain and ceramic products
0.6	0.5	0.5	-2.3	-0.3	13.1	-1.4	8.5	-2.2	9.5	-8.2	-12.0	-0.2	1.4	Manufacture of hydraulic cement
0.4	1.3	0.2	-2.3	-4.0	13.6	3.6	7.1	-5.2	7.2	-8.5	-9.5	0.02	4.4	Manufacture of ready-mix and dry-mix concrete and mortars
														Manufacture of precast concrete, cement or artificial stone articles for use in construction
2.4	0.7	4.2	1.2	-4.3	12.6	6.9	12.6	-9.5	5.8	-5.6	-10.7	2.9	2.1	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
														Manufacture of other articles of concrete, cement and plaster n.e.c.
-2.8	1.2	7.7	4.7	-2.0	10.1	-0.7	2.1	1.8	10.0	-12.8	9.0	-9.7	8.8	Manufacture of other non-metallic mineral products n.e.c.
-3.7	-5.6	-0.2	7.5	-4.9	1.6	1.0	5.6	-1.2	-9.2	2.3	-6.2	-7.0	18.3	Other industry
-3.2	-6.3	18.4	23.9	-1.7	5.9	-3.9	-2.9	5.3	6.0	-10.8	-13.8	-6.4	-2.9	Manufacture of basic iron and steel
-22.4	-5.3	31.1	30.4	1.7	-2.7	0.4	-2.1	-3.6	7.5	0.4	-15.5	-13.2	-4.3	Manufacture of basic precious and other non-ferrous metals
5.3	-14.1	19.4	3.0	1.7	-4.6	-2.6	13.4	-6.6	5.5	10.1	-12.1	-9.6	-5.0	Casting of metals
0.6	-6.4	0.7	-0.1	1.0	6.7	8.7	5.0	-4.9	1.9	1.1	-7.8	4.7	-14.4	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
														Manufacture of metal doors, windows and their frames, shutters and gates
-1.0	-10.8	5.4	-1.3	-1.6	7.9	10.7	6.6	-5.1	-0.6	2.4	-5.8	2.3	-13.2	Manufacture of other structural metal products
5.0	4.5	-9.5	3.7	7.9	3.8	4.5	1.1	-4.1	9.0	-1.3	-13.3	12.1	-18.6	Manufacture of tanks, reservoirs and containers of metal
0.8	1.0	-3.2	-8.4	-0.5	6.0	-0.4	2.3	-6.6	-1.0	-6.6	-1.6	-5.7	1.7	Other industry
-1.4	-0.4	1.8	1.2	4.6	1.6	9.9	2.2	-7.5	12.1	1.7	-10.6	1.6	-1.4	Manufacture of other fabricated metal products; metal working service activities
1.1	0.9	3.4	-4.7	4.6	-0.3	0.9	0.2	-4.5	3.1	2.9	-4.8	1.6	1.6	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
0.4	-0.9	-9.4	9.8	10.4	-1.3	24.0	5.0	-2.8	28.3	-1.3	-9.3	16.7	-15.5	Treatment and coating of metals; machining
0.5	0.2	8.5	0.9	1.1	1.7	14.5	1.3	-10.6	10.4	-0.4	-11.8	-5.3	-4.1	Manufacture of tins and cans for food products, collapsible tubes and boxes
														Manufacture of metal cable, plaited bands and similar articles
-2.1	-3.6	-0.8	0.2	5.8	1.7	8.0	5.0	-2.1	8.0	0.9	-7.1	-1.5	-4.0	Manufacture of bolts, screws, nuts and similar threaded products
-6.7	7.6	-0.8	-1.6	7.0	-3.2	3.0	9.7	-1.5	-6.7	4.2	-1.4	5.6	-10.1	Manufacture of metal household articles
-3.1	1.4	3.9	3.4	3.6	3.2	10.8	-0.7	-18.1	18.3	5.1	-19.1	1.2	11.8	Manufacture of any other fabricated metal products n.e.c.
-6.7	9.1	7.6	0.3	1.0	8.2	-3.4	-0.8	3.6	3.0	4.4	-7.3	3.7	9.1	Other industry
13.4	-8.3	5.6	9.3	-9.2	-7.5	-2.3	-5.8	14.7	18.8	-23.0	12.0	6.8	-8.9	Manufacture of electronic components and boards
17.2	-5.0	3.1	7.5	-9.1	-10.8	4.2	-10.2	14.5	25.2	-26.4	13.1	10.6	-7.9	Manufacture of diodes, transistors and similar semiconductor devices
														Manufacture of electronic integrated circuits micro assemblies
														Manufacture of electrical capacitors and resistors
8.1	-13.3	9.7	10.0	-9.7	-2.7	-11.5	-1.6	17.8	11.8	-18.6	8.0	2.6	-11.2	Manufacture of printed circuit boards
														Manufacture of display components
16.2	-6.3	6.4	27.7	-5.9	-6.0	-0.8	13.9	-1.6	4.4	-16.8	31.0	-1.4	-4.1	Manufacture of other components for electronic applications
-3.9	-1.5	5.2	-34.7	42.3	-7.7	6.3	14.0	11.9	-2.1	35.0	-15.6	2.0	0.8	Manufacture of computers and peripheral equipment
21.5	-16.1	16.2	21.0	-29.8	0.9	14.6	-12.1	1.5	13.0	-11.4	40.5	1.2	-9.2	Manufacture of communication equipment
2.2	7.6	7.1	14.1	-12.9	-1.2	-13.8	-4.8	2.6	9.0	-16.5	25.0	6.7	3.1	Manufacture of consumer electronics
17.0	-0.6	5.1	19.4	-0.4	-1.8	0.9	-5.7	-7.0	11.5	-19.0	21.0	6.1	-1.1	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
														Manufacture of measuring, testing, navigating and control equipment
16.6	-2.5	6.0	21.1	-0.9	-1.7	1.6	-4.9	-6.6	12.1	-19.4	22.3	6.7	-2.1	Manufacture of industrial process control equipment
20.0	14.8	-1.0	7.0	3.4	-2.5	-4.2	-12.5	-10.3	6.3	-15.0	8.3	-0.6	11.4	Manufacture of watches and clocks and parts
12.2	-6.3	16.3	-1.8	10.6	8.6	-8.1	16.0	-18.8	10.1	-16.4	9.5	-18.3	4.1	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
Table : Sales Value of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024		2023				
		Q1	Q2	Q3	Q4	Q1	Q2	Jan.	Feb.	Mac	Apr.	Mei
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	1.9	0.5	21.7	2.4	6.5	-16.2	-8.1	1.8	17.1	-12.8	1.6
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-5.4	5.9	25.5	-11.8	-11.0	5.7	-0.6	-6.6	9.0	-1.5	2.4
27101	Pembuatan motor elektrik, penjana dan transformer	-11.7	-0.8	32.2	-11.1	-12.4	2.0	1.2	-8.7	1.8	-0.2	0.2
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	-2.8	8.5	23.2	-12.0	-10.5	7.1	-1.3	-5.8	11.9	-2.0	3.2
272/ 27200	Pembuatan bateri dan akumulator	-25.3	8.8	-15.4	16.9	-10.5	13.1	-15.6	-13.6	-3.5	11.7	0.9
273	Pembuatan pendawaian dan peranti pendawaian	-2.9	-2.1	4.4	-3.6	-5.4	3.4	-2.3	0.7	-2.6	-0.7	-0.7
27310	Pembuatan kabel gentian optikal	15.2	15.4	1.7	-13.2	2.8	3.8	2.3	-7.2	7.5	4.1	12.3
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	-4.0	-3.3	4.6	-2.7	-6.9	3.0	-2.3	1.0	-3.7	-0.5	-2.1
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	2.5	4.0	4.3	-8.1	11.3	7.6	-5.4	2.1	7.2	-7.2	10.9
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-7.2	-1.4	30.4	-8.8	-0.7	-3.9	-11.6	1.0	2.1	-10.7	13.1
275/ 27500	Pembuatan perkakasan domestik	-8.4	2.3	7.1	-14.4	9.9	0.9	-12.3	0.4	9.3	-0.8	-6.6
279/ 27900	Pembuatan kelengkapan elektrik lain	-2.1	8.2	8.0	-6.9	-14.1	-2.9	-1.4	-2.6	4.0	-1.4	10.2
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-10.8	6.6	-8.5	13.4	-8.0	8.1	-12.6	-4.5	1.9	7.8	-0.2
28120 & 28130	Pembuatan alat-alat kuasa bendalir	-29.8	-1.3	6.2	36.3	-28.6	-4.0	-17.2	0.5	-19.0	15.1	-3.7
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	-15.2	8.5	-5.8	16.1	-4.1	11.0	-15.9	-4.3	-3.0	11.7	0.3
28192	Pembuatan jentera pembentukan logam dan alatan mesin	-3.6	11.6	-25.8	23.4	0.8	11.0	-6.7	-4.9	6.6	13.8	2.8
28290	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	-14.7	-1.5	-14.3	11.1	-17.9	13.9	-22.5	-6.8	11.7	3.9	-17.9
	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-4.4	8.5	3.6	3.3	-6.5	2.9	-5.1	-3.8	0.5	2.0	10.3
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-13.6	-20.2	18.3	37.9	-10.6	-17.2	-17.5	-10.8	13.5	-33.9	29.5
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	-0.6	-2.3	-5.2	19.8	-32.8	5.7	1.9	-8.3	19.2	-6.6	3.7
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	4.2	1.1	9.8	-1.9	0.5	-2.7	0.4	-0.8	11.1	-14.7	19.0
301 (30110 & 30120)	Pembinaan kapal dan bot	5.0	-5.7	-24.6	27.6	0.0	1.1	8.1	0.9	17.1	9.2	-32.2
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	-15.9	-1.6	2.6	17.7	-8.1	-4.3	-15.2	-7.8	18.2	-9.4	-0.8
30910	Pembuatan motosikal	-18.2	6.1	12.2	7.7	2.1	-5.1	-19.8	-7.1	6.7	-0.7	2.0
30920	Pembuatan basikal dan invalid carriages	-22.5	-1.0	-15.1	12.6	-3.6	3.3	-16.3	-4.9	3.4	-1.6	2.2
	Industri lain	-11.0	-5.6	6.6	25.4	-14.9	-7.0	-12.1	-9.7	32.4	-16.5	-3.7
310	Pembuatan perabot	4.6	-20.4	-2.5	35.2	7.3	-21.9	3.6	-4.7	7.8	-19.5	7.5
31001	Pembuatan perabot kayu dan rotan	8.2	-24.6	2.4	30.6	14.1	-24.6	5.3	0.3	6.1	-23.5	3.4
	Industri lain	1.0	-16.0	-7.1	39.9	0.7	-19.0	2.0	-9.6	9.6	-15.2	11.4
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	-5.7	16.6	-15.4	13.6	0.8	21.2	4.2	-11.9	-0.3	18.4	8.1
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	5.6	12.9	5.2	-11.8	-5.1	9.2	1.5	2.9	-0.7	10.3	8.8
32901	Pembuatan alat tulis	12.4	3.5	-0.3	-9.6	2.0	16.4	14.3	-0.7	-1.4	5.7	1.2
	Industri lain	3.5	16.1	6.9	-12.5	-7.2	7.0	-2.3	4.1	-0.5	11.8	11.2
323/ 32300	Pembuatan barangan sukan	12.5	4.8	-20.9	11.5	13.1	-2.4	6.3	-4.0	18.2	13.7	-15.9
324/ 32400	Pembuatan permainan dan mainan	-8.7	26.5	-26.2	-3.9	4.5	39.9	-0.8	-14.5	26.5	17.0	21.4
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-3.6	-14.9	3.4	19.6	-0.4	-13.0	-4.5	-3.4	15.1	-1.9	-30.4
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	-5.2	-15.1	8.7	18.8	2.1	-9.5	-8.3	-4.4	28.8	1.0	-40.9
	Industri lain	-2.6	-14.8	0.3	20.1	-2.0	-15.1	-2.3	-2.9	7.8	-3.6	-23.4
Jumlah Pembuatan		-5.3	-2.3	3.3	1.7	-0.9	1.5	-5.4	-1.9	7.6	-7.2	1.3

2024														Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
7.1	10.3	7.6	-0.3	-1.1	3.7	-3.4	9.2	-6.3	9.0	-16.7	-0.02	-8.7	12.6	Manufacture of optical instruments, photographic equipment, magnetic and optical media
6.9	12.4	7.9	2.1	-10.6	-5.8	-4.0	-1.4	-10.0	4.1	6.1	2.5	-3.2	12.6	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
3.3	14.4	19.1	0.9	-9.9	-8.7	-4.4	1.0	-12.2	1.4	5.9	0.7	-1.7	15.3	Manufacture of electric motors, generators and transformers
8.2	11.8	4.0	2.6	-10.8	-4.6	-3.8	-2.3	-9.1	5.2	6.1	3.2	-3.7	11.6	Manufacture of electricity distribution and control apparatus
13.3	-33.3	12.2	22.4	1.9	-4.0	0.04	-2.3	-11.2	1.1	9.7	10.4	-0.8	16.1	Manufacture of batteries and accumulators
1.8	1.0	2.7	1.6	-2.8	-2.2	-3.9	7.1	-12.1	-1.8	6.0	10.4	-9.7	8.0	Manufacture of wiring and wiring devices
0.6	2.1	8.7	-28.1	7.8	-9.6	16.1	2.2	-6.2	-4.8	6.2	7.7	-5.1	-14.4	Manufacture of fibre optic cables
2.2	1.3	1.8	3.9	-2.9	-2.0	-4.7	6.6	-12.9	-1.9	6.0	10.6	-10.0	10.9	Manufacture of other electronic and electric wires and cables
-2.3	-4.1	12.0	-3.2	-7.4	-0.9	-5.0	19.9	-5.9	0.8	5.2	10.3	-8.3	-12.1	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
-0.5	20.6	7.2	-1.2	-7.0	-0.7	-8.6	12.9	-7.7	-4.0	-1.5	10.8	-10.9	27.0	Manufacture of electric lighting equipment
4.8	-1.8	17.7	-9.2	-10.7	-3.5	-1.8	10.5	-0.5	6.6	-0.3	-6.7	5.5	1.0	Manufacture of domestic appliances
2.8	-0.4	2.1	5.4	-8.6	-1.4	-4.0	-2.7	-15.8	5.8	-7.6	9.6	2.8	-1.2	Manufacture of other electrical equipment
-2.0	-12.3	7.4	2.7	2.7	9.1	0.04	-7.1	-6.0	1.0	12.0	-2.4	-1.8	-9.8	Manufacture of general-purpose and special-purpose machinery
4.6	-16.6	11.7	46.7	-0.4	10.9	-7.4	-17.7	-8.7	-19.5	11.8	1.9	5.5	-10.9	Manufacture of fluid power equipment
														Manufacture of other pumps, compressors, taps and valves
1.5	-10.1	4.2	2.3	1.0	15.8	3.1	-8.4	-4.9	3.9	11.5	-3.0	2.1	-9.4	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
														Manufacture of metal-forming machinery and machine tools
-18.4	-23.6	18.2	-4.2	7.8	13.8	6.6	-3.4	-5.9	-0.2	15.8	1.3	-8.5	-21.6	Manufacture of air-conditioning machines, including for motor vehicles
8.1	-9.4	-17.4	28.2	1.9	-1.5	0.2	-13.4	-11.9	10.5	21.6	-9.7	-6.7	-7.7	Manufacture of other special-purpose machinery n.e.c.
1.7	-7.8	17.5	-9.9	2.3	7.0	-4.9	-2.9	-3.6	-0.9	5.0	-1.1	1.6	-2.5	Other industry
-9.7	17.7	-7.3	13.2	19.7	16.6	-5.5	1.5	-17.5	-4.4	-6.2	11.3	-27.0	25.9	Manufacture of motor vehicles
-18.8	10.5	-2.5	-1.5	21.7	5.0	-8.6	-29.6	-12.4	27.9	-11.1	4.4	8.7	9.7	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-4.6	9.3	1.2	-8.2	-3.1	13.7	-6.2	4.4	-3.4	-4.1	1.0	13.3	-22.6	30.8	Manufacture of parts and accessories for motor vehicles
-3.8	-17.4	0.6	24.8	26.2	-18.1	-1.4	-1.6	2.9	24.0	8.3	-25.5	-9.6	-5.8	Building of ships and boats
1.9	0.6	1.1	0.8	7.6	18.0	-9.2	-3.5	-10.6	11.1	-5.7	-3.0	1.0	-3.9	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
10.7	6.6	-3.8	1.3	-1.2	14.2	0.1	8.3	-14.4	-0.4	-0.1	2.2	-2.4	3.8	Manufacture of motorcycles
-4.1	-13.6	2.3	-3.7	11.9	7.0	-6.5	5.9	-17.6	17.8	-3.5	2.4	3.1	-12.2	Manufacture of bicycles and invalid carriages
0.4	4.4	3.5	2.4	10.8	24.3	-14.3	-13.2	-4.9	15.4	-9.4	-8.4	2.2	-4.6	Other industry
-26.1	6.4	5.2	19.7	11.9	8.6	0.7	5.1	-7.9	13.8	-19.0	0.3	-27.5	5.5	Manufacture of furniture
-21.9	8.0	10.7	11.1	9.3	12.8	-1.1	6.8	-3.1	17.4	-23.1	-2.1	-28.6	7.8	Manufacture of wooden and cane furniture
-29.8	4.8	-0.4	29.4	14.4	4.7	2.4	3.4	-12.7	9.9	-14.1	2.9	-26.4	3.3	Other industry
-6.3	-24.6	5.9	29.3	-11.8	12.8	-2.6	6.8	-14.0	6.0	19.9	3.1	1.1	-8.9	Manufacture of jewellery, bijouterie and related articles
-10.9	7.8	5.1	-2.4	-8.9	-4.3	-1.3	-2.2	0.3	-2.5	11.3	7.6	-15.0	-2.5	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-5.0	2.0	7.6	-11.8	-1.4	-7.0	6.9	1.2	-6.5	10.3	10.4	1.0	1.2	3.5	Manufacture of stationery
-12.5	9.6	4.4	0.4	-10.8	-3.5	-3.6	-3.3	2.6	-6.2	11.6	9.9	-20.1	-4.8	Other industry
-19.8	6.3	-15.9	11.1	7.5	1.1	5.9	11.6	-7.9	8.5	14.5	-16.7	-20.8	-3.1	Manufacture of sports goods
-40.4	-9.0	10.0	8.4	0.04	-14.4	-7.0	6.4	0.5	26.0	7.8	25.4	-12.4	3.9	Manufacture of games and toys
1.0	0.03	10.4	28.8	-3.6	7.6	-7.0	-1.7	-3.8	20.0	-3.5	-29.2	2.8	-4.0	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
-0.9	3.8	21.0	39.0	-9.8	7.0	-8.7	-2.5	-1.3	29.8	1.2	-36.2	0.6	-4.0	Repair and maintenance of transport equipment except motorcycles and bicycles
2.0	-1.8	4.8	22.5	0.7	7.9	-5.9	-1.3	-5.3	14.0	-6.8	-23.9	4.3	-4.0	Other industry
0.4	-2.4	5.7	3.7	-0.7	-1.1	-3.3	1.9	-4.3	8.4	-3.3	1.1	0.8	0.6	Total Manufacturing

Jadual **1.5a** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan
Table : Number of Paid Employees of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023		
				Q1	Q2	Q3
101	Pemprosesan dan pengawetan daging	13,600	14,664	13,849	14,305	14,857
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	16,751	17,342	17,382	17,330	17,416
	10201 Pengetinan ikan, krustasea dan moluska					
	&					
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	14,170	14,485	14,711	14,566	14,554
	Industri lain	2,581	2,857	2,671	2,764	2,862
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	9,962	10,127	10,536	10,835	10,474
	10303 Pengetinan nanas					
	&					
	10304 Pembuatan jem, marmalad dan sajian jeli	620	570	568	560	570
	Industri lain	9,342	9,557	9,967	10,275	9,904
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	84,266	89,888	85,462	85,734	89,500
	10404 Pembuatan minyak sayuran mentah dan bertapis					
	&					
	10406 Pembuatan sebatian lemak masakan	4,052	4,477	4,124	4,141	4,465
	10405 Pembuatan minyak kelapa	2,542	2,631	2,558	2,558	2,633
	Industri lain	77,672	82,779	78,780	79,035	82,401
105	Pembuatan produk tenusu	13,321	13,874	13,366	13,280	13,759
	10502 Pembuatan susu pekat, tepung dan sejat	9,674	9,858	9,678	9,560	9,830
	Industri lain	3,648	4,017	3,689	3,719	3,928
106	Pembuatan produk bijian, kanji dan produk	11,197	11,538	11,341	11,257	11,509
	10611 Pengilangan beras	5,307	5,400	5,421	5,301	5,390
	10613 Pengilangan tepung	4,921	5,223	5,010	5,044	5,202
	Industri lain	969	915	910	912	917
107	Pembuatan produk makanan lain	130,228	141,851	132,812	133,853	140,391
	10711 Pembuatan biskut dan cookies	14,486	14,889	14,747	14,600	14,836
	10712 Pembuatan roti, kek dan produk bakeri lain	31,304	33,814	31,832	32,231	33,443
	10713 Pembuatan produk snek	8,846	9,620	8,858	8,961	9,202
	10721 Pembuatan gula	1,744	1,836	1,760	1,783	1,878
	10731 Pembuatan produk koko	2,563	2,644	2,523	2,614	2,636
	10732 Pembuatan coklat dan produk coklat					
	&					
	10733 Pembuatan konfeksi gula	7,861	8,634	7,925	7,955	8,566
	10793 Pembuatan sos dan bahan perasa	11,546	13,437	11,881	11,908	12,698
	10799 Pembuatan produk makanan lain t.t.t.l.	15,127	18,153	15,474	16,158	18,537
	Industri lain	36,752	38,825	37,813	37,642	38,595
108/ 10800	Pembuatan makanan haiwan tersedia	15,573	13,666	15,606	15,188	14,266
110	Pembuatan minuman ringan	16,373	16,805	16,770	16,865	16,602
	11041 Pembuatan minuman ringan	10,622	10,717	10,744	10,847	10,607
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	3,923	4,111	4,197	4,172	4,104
	Industri lain	1,828	1,976	1,829	1,846	1,890
120/ 12000	Pembuatan produk tembakau	1,232	1,259	1,448	1,254	1,271
131	Pemintalan, penenunan dan penyiapan tekstil	13,055	13,207	13,274	13,204	13,419
	13110 Penyediaan dan pemintalan gentian tekstil					
	&					
	13120 Penenunan tekstil	8,882	9,168	9,093	9,029	9,316
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3,762	3,592	3,690	3,701	3,610
	Industri lain	412	447	491	474	493
139	Pembuatan tekstil lain	14,816	15,096	14,841	15,173	15,177
	13910 Pembuatan fabrik dikait dan dikrusye	5,792	5,531	5,619	5,657	5,593
	Industri lain	9,024	9,564	9,222	9,515	9,584
141	Pembuatan pakaian, kecuali pakaian berbulu	42,584	43,688	42,881	42,985	42,139
	14102 Pembuatan pakaian	31,056	31,863	31,236	31,154	30,424
	Industri lain	11,528	11,825	11,645	11,831	11,715
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1,007	1,093	1,089	1,086	1,114
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	5,843	5,808	6,032	5,746	5,903
152	Pembuatan kasut	6,717	7,071	6,979	7,072	7,012
	15201 Pembuatan kasut kulit					
	&					
	15203 Pembuatan kasut getah	3,748	3,719	3,760	3,667	3,659
	Industri lain	2,969	3,352	3,219	3,405	3,353
161/ 16100	Pengilangan dan pengetaman kayu	25,101	24,448	25,234	24,629	24,640

2024		2023		2024	Group Description/Period
Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	
14,664	14,966	14,548	14,080	14,629	Processing and preserving of meat
17,342	17,616	17,657	17,410	17,485	Processing and preserving of fish, crustaceans and molluscs
14,485	14,642	14,690	14,788	14,481	Canning of fish, crustaceans and molluscs
2,857	2,974	2,967	2,622	3,004	Processing, curing and preserving of fish, crustacean and molluscs
10,127	10,789	10,401	10,731	10,171	Other industry
570	583	567	578	566	Processing and preserving of fruits and vegetable
9,557	10,206	9,834	10,153	9,606	Pineapple canning
89,888	89,298	90,516	86,716	91,435	Manufacture of jams, marmalades and table jellies
4,477	4,604	4,666	4,163	4,668	Other industry
2,631	2,669	2,665	2,542	2,672	Manufacture of vegetable and animal oils and fats
82,779	82,025	83,184	80,011	84,096	Manufacture of crude and refined vegetable oil
13,874	14,144	14,003	13,366	14,033	Manufacture of compound cooking fats
9,858	10,197	9,969	9,638	9,989	Manufacture of coconut oil
4,017	3,947	4,034	3,728	4,044	Other industry
11,538	11,325	11,202	11,238	11,092	Manufacture of dairy products
5,400	5,438	5,309	5,279	5,282	Manufacture of condensed, powdered and evaporated milk
5,223	4,992	5,005	5,033	4,918	Other industry
915	895	888	926	892	Manufacture of grain mill products, starches and starch products
141,851	142,155	142,049	135,228	143,903	Rice milling
14,889	14,430	14,578	14,639	15,020	Flour milling
33,814	33,618	34,421	33,322	35,257	Other industry
9,620	9,581	9,671	8,856	9,737	Manufacture of other food products
1,836	1,829	1,829	1,785	1,822	Manufacture of biscuits and cookies
2,644	2,569	2,402.9	2,617	2,392	Manufacture of bread, cakes and other bakery products
8,634	8,682	8,562	8,087	8,652	Manufacture of snack products
13,437	13,873	13,438	11,819	13,612	Manufacture of sugar
18,153	18,596	18,293	16,501	18,634	Manufacture of cocoa products
38,825	38,979	38,855	37,603	38,776	Manufacture of chocolate and chocolate products
13,666	13,947	13,790	15,039	13,759	Manufacture of sugar confectionery
16,805	17,129	17,336	16,952	17,274	Manufacture of sauces and condiments
10,717	10,884	11,080	10,907	11,046	Manufacture of other food products n.e.c.
4,111	4,247	4,238	4,190	4,228	Other industry
1,976	1,998	2,018	1,856	2,001	Manufacture of prepared animal feeds
1,259	1,331	1,251	1,227	1,245	Manufacture of beverages
13,207	13,470	13,726	13,025	13,822	Manufacture of soft drinks
9,168	9,433	9,611	9,075	9,492	Production of natural mineral waters and other bottled waters
3,592	3,568	3,638	3,485	3,869	Other industry
447	469	478	465	461	Manufacture of tobacco products
15,096	14,854	14,914	15,115	14,725	Spinning, weaving and finishing of textiles
5,531	5,407	5,552	5,604	5,493	Preparation and spinning of textile fibres
9,564	9,447	9,361	9,511	9,232	Weaving of textiles
43,688	44,375	43,995	42,441	43,602	Dyeing, bleaching, printing and finishing of yarns and fabrics
31,863	32,580	32,287	30,709	32,059	Other industry
11,825	11,795	11,708	11,732	11,543	Manufacture of other textiles
1,093	1,099	1,095	1,080	1,091	Manufacture of knitted and crocheted fabrics
5,808	5,680	5,579	5,673	5,615	Other industry
7,071	7,209	7,280	7,031	7,210	Manufacture of wearing apparel, except fur apparel
3,719	3,731	3,729	3,646	3,667	Manufacture of clothings
3,352	3,478	3,551	3,386	3,543	Other industry
24,448	24,271	24,178	24,377	23,901	Sawmilling and planning of wood

Jadual **1.5a** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : Number of Paid Employees of Manufacturing Sector by Group (cont.)

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023							
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
101	Pemprosesan dan pengawetan daging	14,001	13,965	13,849	14,325	14,357	14,305	14,080	14,139
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	17,041	17,485	17,382	17,297	17,338	17,330	17,410	17,136
	10201 Pengetinan ikan, krustasea dan moluska								
	&								
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	14,410	14,801	14,711	14,606	14,646	14,566	14,788	14,313
	Industri lain	2,632	2,684	2,671	2,692	2,692	2,764	2,622	2,823
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	10,313	10,554	10,536	10,589	10,882	10,835	10,731	10,224
	10303 Pengetinan nanas								
	&								
	10304 Pembuatan jem, marmalad dan sajian jeli	565	567	568	566	569	560	578	564
	Industri lain	9,748	9,987	9,967	10,023	10,313	10,275	10,153	9,660
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	84,824	85,592	85,462	84,987	85,282	85,734	86,716	87,316
	10404 Pembuatan minyak sayuran mentah dan bertapis								
	&								
	10406 Pembuatan sebatian lemak masakan	4,089	4,096	4,124	4,100	4,118	4,141	4,163	4,424
	10405 Pembuatan minyak kelapa	2,549	2,549	2,558	2,555	2,558	2,558	2,542	2,582
	Industri lain	78,185	78,947	78,780	78,332	78,606	79,035	80,011	80,310
105	Pembuatan produk tenusu	13,386	13,363	13,366	13,435	13,253	13,280	13,366	13,533
	10502 Pembuatan susu pekat, tepung dan sejat	9,714	9,694	9,678	9,831	9,576	9,560	9,638	9,744
	Industri lain	3,672	3,668	3,689	3,604	3,677	3,719	3,728	3,788
106	Pembuatan produk bijian, kanji dan produk	11,251	11,421	11,341	11,227	11,285	11,257	11,238	11,025
	10611 Pengilangan beras	5,356	5,458	5,421	5,322	5,352	5,301	5,279	5,123
	10613 Pengilangan tepung	4,924	5,037	5,010	4,993	5,015	5,044	5,033	5,007
	Industri lain	972	927	910	912	918	912	926	895
107	Pembuatan produk makanan lain	132,511	133,336	132,812	134,023	134,287	133,853	135,228	138,077
	10711 Pembuatan biskut dan cookies	14,820	15,050	14,747	14,673	14,652	14,600	14,639	14,711
	10712 Pembuatan roti, kek dan produk bakeri lain	31,580	31,680	31,832	32,306	32,179	32,231	33,322	32,948
	10713 Pembuatan produk snek	8,864	8,896	8,858	8,899	8,970	8,961	8,856	9,083
	10721 Pembuatan gula	1,747	1,747	1,760	1,770	1,790	1,783	1,785	1,862
	10731 Pembuatan produk koko	2,566	2,593	2,523	2,519	2,593	2,614	2,617	2,602
	10732 Pembuatan coklat dan produk coklat								
	&								
	10733 Pembuatan konfeksi gula	8,120	7,963	7,925	7,988	7,978	7,955	8,087	8,511
	10793 Pembuatan sos dan bahan perasa	11,777	11,786	11,881	11,931	11,855	11,908	11,819	12,519
	10799 Pembuatan produk makanan lain t.t.t.l.	15,627	15,531	15,474	16,201	16,417	16,158	16,501	17,951
	Industri lain	37,410	38,091	37,813	37,736	37,854	37,642	37,603	37,889
108/ 10800	Pembuatan makanan haiwan tersedia	15,602	15,668	15,606	15,128	15,134	15,188	15,039	14,475
110	Pembuatan minuman ringan	16,583	16,717	16,770	16,843	16,874	16,865	16,952	16,539
	11041 Pembuatan minuman ringan	10,617	10,714	10,744	10,810	10,823	10,847	10,907	10,568
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	4,142	4,144	4,197	4,197	4,209	4,172	4,190	4,096
	Industri lain	1,825	1,858	1,829	1,836	1,842	1,846	1,856	1,875
120/ 12000	Pembuatan produk tembakau	1,296	1,443	1,448	1,274	1,266	1,254	1,227	1,167
131	Pemintalan, penenunan dan penyiapan tekstil	13,197	13,098	13,274	13,214	13,354	13,204	13,025	13,376
	13110 Penyediaan dan pemintalan gentian tekstil								
	&								
	13120 Penenunan tekstil	8,987	8,901	9,093	9,073	9,103	9,029	9,075	9,310
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3,752	3,721	3,690	3,676	3,761	3,701	3,485	3,580
	Industri lain	458	476	491	465	489	474	465	486
139	Pembuatan tekstil lain	14,898	14,756	14,841	15,015	15,205	15,173	15,115	15,173
	13910 Pembuatan fabrik dikait dan dikrusye	5,774	5,757	5,619	5,694	5,697	5,657	5,604	5,636
	Industri lain	9,123	8,998	9,222	9,321	9,508	9,515	9,511	9,537
141	Pembuatan pakaian, kecuali pakaian berbulu	42,847	42,795	42,881	42,964	43,166	42,985	42,441	41,773
	14102 Pembuatan pakaian	31,403	31,127	31,236	31,164	31,366	31,154	30,709	30,120
	Industri lain	11,444	11,668	11,645	11,799	11,800	11,831	11,732	11,654
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1,032	1,068	1,089	1,089	1,093	1,086	1,080	1,107
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	5,939	6,023	6,032	5,858	5,873	5,746	5,673	5,750
152	Pembuatan kasut	6,924	7,091	6,979	6,959	7,039	7,072	7,031	6,915
	15201 Pembuatan kasut kulit								
	&								
	15203 Pembuatan kasut getah	3,896	3,840	3,760	3,692	3,665	3,667	3,646	3,644
	Industri lain	3,028	3,250	3,219	3,268	3,374	3,405	3,386	3,271
161/ 16100	Pengilangan dan pengetaman kayu	25,720	25,710	25,234	24,749	25,144	24,629	24,377	24,802

2024											Group Description/Period
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
14,857	14,918	14,906	14,664	14,832	14,925	14,966	14,891	14,941	14,548	14,629	Processing and preserving of meat
17,416	17,348	17,206	17,342	17,808	17,743	17,616	17,849	17,864	17,657	17,485	Processing and preserving of fish, crustaceans and molluscs
14,554	14,570	14,351	14,485	14,874	14,747	14,642	14,851	14,874	14,690	14,481	Canning of fish, crustaceans and molluscs
2,862	2,778	2,855	2,857	2,934	2,996	2,974	2,998	2,990	2,967	3,004	Processing, curing and preserving of fish, crustacean and molluscs
10,474	10,474	10,303	10,127	10,503	10,712	10,789	10,740	10,497	10,401	10,171	Processing and preserving of fruits and vegetable
570	572	567	570	546	601	583	587	563	567	566	Pineapple canning
9,904	9,902	9,736	9,557	9,957	10,112	10,206	10,152	9,933	9,834	9,606	Manufacture of jams, marmalades and table jellies
89,500	89,940	89,900	89,888	89,773	89,390	89,298	89,531	89,947	90,516	91,435	Manufacture of vegetable and animal oils and fats
4,465	4,480	4,474	4,477	4,426	4,588	4,604	4,690	4,682	4,666	4,668	Manufacture of crude and refined vegetable oil
2,633	2,633	2,623	2,631	2,669	2,673	2,669	2,669	2,672	2,665	2,672	Manufacture of compound cooking fats
82,401	82,827	82,804	82,779	82,678	82,129	82,025	82,172	82,592	83,184	84,096	Manufacture of coconut oil
13,759	13,774	13,853	13,874	14,023	13,937	14,144	14,160	14,266	14,003	14,033	Manufacture of dairy products
9,830	9,797	9,824	9,858	10,060	9,972	10,197	10,182	10,273	9,969	9,989	Manufacture of condensed, powdered and evaporated milk
3,928	3,976	4,029	4,017	3,962	3,964	3,947	3,978	3,993	4,034	4,044	Other industry
11,509	11,502	11,541	11,538	11,615	11,351	11,325	11,255	11,224	11,202	11,092	Manufacture of grain mill products, starches and starch products
5,390	5,392	5,435	5,400	5,492	5,517	5,438	5,395	5,381	5,309	5,282	Rice milling
5,202	5,207	5,193	5,223	5,226	4,940	4,992	4,977	4,967	5,005	4,918	Flour milling
917	903	912	915	897	893	895	882	876	888	892	Other industry
140,391	141,712	141,605	141,851	143,476	142,916	142,155	143,154	143,362	142,049	143,903	Manufacture of other food products
14,836	14,783	14,847	14,889	14,944	14,786	14,430	14,408	14,575	14,578	15,020	Manufacture of biscuits and cookies
33,443	33,837	33,795	33,814	34,029	34,078	33,618	34,687	34,712	34,421	35,257	Manufacture of bread, cakes and other bakery products
9,202	9,270	9,453	9,620	9,784	9,626	9,581	9,574	9,624	9,671	9,737	Manufacture of snack products
1,878	1,885	1,838	1,836	1,839	1,843	1,829	1,825	1,831	1,829	1,822	Manufacture of sugar
2,636	2,658	2,649	2,644	2,653	2,647	2,569	2,530	2,420	2,403	2,392	Manufacture of cocoa products
8,566	8,641	8,711	8,634	8,761	8,708	8,682	8,613	8,638	8,562	8,652	Manufacture of chocolate and chocolate products
12,698	12,810	13,505	13,437	13,754	13,723	13,873	13,897	13,753	13,438	13,612	Manufacture of sugar confectionery
18,537	18,923	17,994	18,153	18,611	18,669	18,596	18,544	18,562	18,293	18,634	Manufacture of sauces and condiments
38,595	38,905	38,813	38,825	39,100	38,836	38,979	39,074	39,246	38,855	38,776	Manufacture of other food products n.e.c.
14,266	14,143	14,284	13,666	13,905	13,915	13,947	13,963	13,983	13,790	13,759	Manufacture of prepared animal feeds
16,602	16,689	16,622	16,805	17,041	17,045	17,129	17,275	17,289	17,336	17,274	Manufacture of beverages
10,607	10,643	10,633	10,717	10,808	10,787	10,884	10,989	11,000	11,080	11,046	Manufacture of soft drinks
4,104	4,145	4,097	4,111	4,259	4,262	4,247	4,260	4,280	4,238	4,228	Production of natural mineral waters and other bottled waters
1,890	1,901	1,892	1,976	1,974	1,996	1,998	2,026	2,009	2,018	2,001	Other industry
1,271	1,272	1,264	1,259	1,272	1,320	1,331	1,256	1,245	1,251	1,245	Manufacture of tobacco products
13,419	13,371	13,309	13,207	13,152	13,122	13,470	13,587	13,871	13,726	13,822	Spinning, weaving and finishing of textiles
9,316	9,269	9,264	9,168	9,112	9,092	9,433	9,591	9,748	9,611	9,492	Preparation and spinning of textile fibres
3,610	3,618	3,602	3,592	3,588	3,577	3,568	3,527	3,629	3,638	3,869	Weaving of textiles
493	484	443	447	453	453	469	469	494	478	461	Dyeing, bleaching, printing and finishing of yarns and fabrics
15,177	15,148	15,124	15,096	15,312	14,871	14,854	14,866	15,028	14,914	14,725	Manufacture of other textiles
5,593	5,585	5,576	5,531	5,594	5,391	5,407	5,422	5,596	5,552	5,493	Manufacture of knitted and crocheted fabrics
9,584	9,563	9,548	9,564	9,717	9,480	9,447	9,444	9,432	9,361	9,232	Other industry
42,139	41,735	43,481	43,688	44,103	44,189	44,375	44,187	44,384	43,995	43,602	Manufacture of wearing apparel, except fur apparel
30,424	30,239	31,657	31,863	32,271	32,361	32,580	32,374	32,615	32,287	32,059	Manufacture of clothings
11,715	11,496	11,824	11,825	11,831	11,828	11,795	11,813	11,769	11,708	11,543	Other industry
1,114	1,042	1,102	1,093	1,100	1,098	1,099	1,126	1,120	1,095	1,091	Manufacture of articles of fur, knitted and crocheted apparel
5,903	5,935	5,891	5,808	5,772	5,751	5,680	5,665	5,646	5,579	5,615	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
7,012	7,137	7,099	7,071	7,181	7,270	7,209	7,186	7,291	7,280	7,210	Manufacture of footwear
3,659	3,720	3,733	3,719	3,827	3,802	3,731	3,687	3,730	3,729	3,667	Manufacture of leather footwear
3,353	3,417	3,365	3,352	3,354	3,467	3,478	3,499	3,560	3,551	3,543	Manufacture of rubber footwear
24,640	24,792	24,924	24,448	24,204	23,918	24,271	24,315	24,708	24,178	23,901	Sawmilling and planning of wood

Jadual 1.5a : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan
Table : Number of Paid Employees of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023		
				Q1	Q2	Q3
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	68,943	69,802	67,728	68,036	68,637
16211	Pembuatan kepingan venier dan papan lapis	38,426	39,618	37,446	37,646	38,723
16212	Pembuatan papan partikel dan papan gentian	6,419	6,961	6,345	6,563	7,116
16221	Pertukangan kayu untuk jurubina	10,830	9,650	10,642	10,645	9,651
	Industri lain	13,268	13,573	13,295	13,181	13,146
170	Pembuatan kertas dan produk kertas	58,658	59,265	59,308	57,626	58,587
17010	Pembuatan pulpa, kertas dan kertas tebal	9,259	9,041	9,332	8,473	8,582
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	23,850	23,505	23,877	23,353	23,416
17091	Pembuatan sampul surat dan kad surat	1,692	1,762	1,789	1,769	1,777
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	10,818	11,370	10,723	10,515	11,368
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	7,480	7,480	7,837	7,792	7,465
	Industri lain	5,559	6,107	5,749	5,724	5,979
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	70,120	71,281	70,319	68,955	68,928
18110	Percetakan	57,286	58,603	57,476	56,770	56,789
18120 &	Aktiviti perkhidmatan berkaitan percetakan	12,834	12,678	12,843	12,185	12,139
18200	Penerbitan semula media rakaman					
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	17,817	18,473	18,486	18,149	18,199
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	47,560	47,699	49,475	48,507	47,094
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	5,802	6,330	6,315	6,155	6,192
20112 &	Pembuatan kimia organik asas	19,633	19,255	20,155	19,696	19,050
20113	Pembuatan sebatian bukan organik					
20121 &	Pembuatan baja	7,649	7,201	8,353	7,982	7,227
20129	Pembuatan produk campuran nitrogen	11,413	11,649	11,428	11,453	11,411
20131	Pembuatan plastik dalam bentuk primer	3,063	3,264	3,226	3,221	3,215
	Industri lain					
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	57,336	55,846	58,105	55,785	55,364
20210	Pembuatan racun perosak dan produk agrokimia lain	4,030	4,587	4,262	4,151	4,419
20221	Pembuatan cat, varnis dan penyadur dan mastik	9,451	9,587	9,966	9,644	9,412
20222	Pembuatan dakwat cetak	5,659	5,924	5,967	5,983	5,883
20231 &	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	21,711	20,041	21,322	19,568	19,767
20232	Pembuatan pewangi dan penyediaan dandanan diri					
20291 &	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials					
20292 &	Pembuatan dakwat menulis dan melukis	16,082	15,435	16,137	16,006	15,588
20299	Pembuatan produk kimia lain t.t.t.l.					
	Industri lain	402	273	451	433	295
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	27,325	27,967	26,901	27,916	29,297
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	19,310	19,519	18,765	19,668	20,535
	Industri lain	8,015	8,448	8,136	8,249	8,762
221	Pembuatan produk getah	122,297	117,399	121,509	114,969	118,329
22111	Pembuatan tayar getah untuk kenderaan	6,618	6,790	6,740	7,052	6,731
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2,289	2,564	2,340	2,279	2,427
22191 &	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	17,767	18,551	18,775	19,192	18,619
22193	Pengilangan semula getah dan prosesan susu getah					
22192	Pembuatan sarung tangan getah	62,537	56,913	60,077	55,214	57,500
22199	Pembuatan produk getah lain yang t.t.t.l.	33,087	32,581	33,577	31,231	33,052
222	Pembuatan produk plastik	159,013	164,184	159,633	161,005	163,072
22201 &	Pembuatan produk plastik separa siap	37,664	38,248	37,301	38,558	38,510
22202	Pembuatan produk plastik siap					
22203	Pembuatan artikel plastik untuk pembungkusan barangan	50,397	53,304	50,812	51,215	53,151
22204	Pembuatan barangan plastik jurubina	3,656	3,666	3,699	3,690	3,708
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	14,177	14,272	14,782	14,642	14,638
22209	Pembuatan pelbagai produk plastik t.t.t.l.	53,120	54,694	53,040	52,901	53,066
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	20,948	20,742	21,026	21,133	21,102

2024			2023	2024	Group Description/Period
Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	
69,802	67,760	69,742	68,079	70,073	Manufacture of products of wood, cork, straw and plaiting materials
39,618	37,829	39,264	38,239	39,783	Manufacture of veneer sheets and plywood
6,961	7,008	7,317	6,555	7,247	Manufacture of particle board and fibreboard
9,650	9,627	9,443	10,417	9,432	Manufacture of builders' carpentry
13,573	13,296	13,719	12,868	13,611	Other industry
59,265	59,848	58,041	57,112	57,797	Manufacture of paper and paper products
9,041	9,297	8,753	8,462	8,789	Manufacture of pulp, paper and paperboard
23,505	23,403	22,740	23,039	22,431	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
1,762	1,715	1,675	1,776	1,684	Manufacture of envelopes and letter-card
11,370	11,361	10,882	10,347	10,703	Manufacture of household and personal hygiene paper
7,480	7,856	7,854	7,753	7,892	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
6,107	6,215	6,137	5,735	6,298	Other industry
71,281	68,381	68,032	68,890	68,063	Printing, service activities related to printing and reproduction of recorded media
58,603	56,011	55,417	56,668	55,378	Printing
12,678	12,370	12,615	12,222	12,686	Service activities related to printing
					Reproduction of recorded media
18,473	18,821	18,324	18,202	18,405	Manufacture of refined petroleum products
47,699	49,133	48,962	46,679	48,889	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
6,330	6,818	6,938	6,137	6,966	Manufacture of liquefied or compressed inorganic industrial or medical gases
					Manufacture of basic organic chemicals
19,255	19,676	19,527	18,836	19,587	Manufacture of inorganic compounds
					Manufacture of fertilizers
7,201	7,397	7,327	7,379	7,312	Manufacture of associated nitrogen products
11,649	11,866	11,793	11,248	11,633	Manufacture of plastics in primary forms
3,264	3,377	3,377	3,078	3,391	Other industry
55,846	56,350	55,669	56,305	54,842	Manufacture of other chemical products and man-made fibres
4,587	4,643	4,691	4,156	4,683	Manufacture of pesticides and other agrochemical products
9,587	10,133	9,706	9,598	9,601	Manufacture of paints, varnishes and similar coatings ink and mastics
5,924	6,068	6,094	6,025	5,658	Manufacture of printing ink
20,041	19,883	19,772	20,034	19,639	Manufacture of soap and detergents, cleaning and polishing preparations
					Manufacture of perfumes and toilet preparations
					Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
15,435	15,334	15,132	16,062	14,991	Manufacture of writing and drawing ink
					Manufacture of other chemical products n.e.c.
273	288	273	430	270	Other industry
27,967	27,334	28,060	28,446	28,554	Manufacture of pharmaceuticals, medicinal chemical and botanical products
19,519	18,758	19,397	19,899	19,739	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
8,448	8,576	8,662	8,547	8,815	Other industry
117,399	115,414	110,997	115,215	111,326	Manufacture of rubber products
6,790	6,761	6,736	7,490	6,623	Manufacture of rubber tyres for vehicles
2,564	2,566	2,490	2,301	2,515	Manufacture of interchangeable tyre treads and retreading rubber tyres
					Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
18,551	18,997	19,213	19,928	19,159	Rubber remilling and latex processing
56,913	54,956	51,979	54,281	52,129	Manufacture of rubber gloves
32,581	32,134	30,578	31,215	30,899	Manufacture of other rubber products n.e.c.
164,184	163,740	165,999	164,502	169,568	Manufacture of plastics products
38,248	37,765	38,681	38,435	38,716	Manufacture of semi-manufactures of plastic products
					Manufacture of finished plastic products
53,304	53,214	53,279	52,383	53,356	Manufacture of plastic articles for the packing of goods
3,666	3,699	3,752	3,675	3,715	Manufacture of builders' plastics ware
14,272	14,756	14,749	14,102	14,794	Manufacture of plastic tableware, kitchenware and toilet articles
54,694	54,306	55,539	55,907	58,987	Manufacture of diverse plastic products n.e.c.
20,742	21,080	22,378	20,225	21,729	Manufacture of glass and glass products

Jadual
Table

1.5a : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan (samb.)
: Number of Paid Employees of Manufacturing Sector by Group (cont.)

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023							
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	68,848	69,504	67,728	67,540	68,991	68,036	68,079	68,083
16211	Pembuatan kepingan venier dan papan lapis	38,035	38,412	37,446	37,071	38,304	37,646	38,239	37,873
16212	Pembuatan papan partikel dan papan gentian	6,275	6,387	6,345	6,261	6,553	6,563	6,555	7,458
16221	Pertukangan kayu untuk jurubina	10,966	11,134	10,642	10,772	10,752	10,645	10,417	9,814
	Industri lain	13,572	13,571	13,295	13,435	13,383	13,181	12,868	12,938
170	Pembuatan kertas dan produk kertas	58,843	59,436	59,308	58,624	57,792	57,626	57,112	57,618
17010	Pembuatan pulpa, kertas dan kertas tebal	9,269	9,407	9,332	9,352	8,476	8,473	8,462	8,641
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	23,728	23,899	23,877	23,294	23,345	23,353	23,039	22,862
17091	Pembuatan sampul surat dan kad surat	1,745	1,798	1,789	1,760	1,785	1,769	1,776	1,766
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	10,909	10,821	10,723	10,671	10,669	10,515	10,347	11,002
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	7,507	7,821	7,837	7,850	7,795	7,792	7,753	7,519
	Industri lain	5,686	5,691	5,749	5,696	5,722	5,724	5,735	5,827
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	70,262	69,878	70,319	69,596	70,361	68,955	68,890	69,227
18110	Percetakan	57,387	56,975	57,476	57,255	58,072	56,770	56,668	56,882
18120 &	Aktiviti perkhidmatan berkaitan percetakan	12,875	12,904	12,843	12,341	12,289	12,185	12,222	12,345
18200	Penerbitan semula media rakaman								
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	17,783	17,989	18,486	18,239	18,209	18,149	18,202	18,349
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	48,311	48,844	49,475	47,928	48,292	48,507	46,679	47,278
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	5,975	5,984	6,315	5,952	6,194	6,155	6,137	6,148
20112 & 20113	Pembuatan kimia organik asas	19,708	19,928	20,155	19,439	19,501	19,696	18,836	19,059
20121 & 20129	Pembuatan sebatian bukan organik	7,916	8,244	8,353	7,938	7,973	7,982	7,379	7,413
20131	Pembuatan produk campuran nitrogen	11,569	11,465	11,428	11,404	11,384	11,453	11,248	11,482
	Pembuatan plastik dalam bentuk primer	3,145	3,224	3,226	3,194	3,240	3,221	3,078	3,176
	Industri lain								
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	57,338	57,121	58,105	56,863	56,332	55,785	56,305	56,092
20210	Pembuatan racun perosak dan produk agrokimia lain	4,115	4,189	4,262	4,214	4,231	4,151	4,156	4,320
20221	Pembuatan cat, varnis dan penyadur dan mastik	9,842	9,396	9,966	9,650	9,670	9,644	9,598	9,563
20222	Pembuatan dakwat cetak	5,739	5,736	5,967	5,971	5,975	5,983	6,025	5,962
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilat	21,059	21,265	21,322	20,555	19,912	19,568	20,034	20,119
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	16,188	16,102	16,137	16,027	16,098	16,006	16,062	15,805
20292 & 20299	Pembuatan dakwat menulis dan melukis								
	Pembuatan produk kimia lain t.t.t.l.	395	434	451	447	446	433	430	323
	Industri lain								
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	26,805	26,916	26,901	28,360	28,019	27,916	28,446	29,157
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan	18,672	18,728	18,765	20,391	19,831	19,668	19,899	20,519
	Industri lain	8,133	8,188	8,136	7,969	8,188	8,249	8,547	8,637
221	Pembuatan produk getah	120,492	120,806	121,509	120,578	118,693	114,969	115,215	117,851
22111	Pembuatan tayar getah untuk kenderaan	6,645	6,712	6,740	7,232	7,218	7,052	7,490	6,723
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2,296	2,357	2,340	2,330	2,310	2,279	2,301	2,360
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	18,150	18,698	18,775	19,171	19,237	19,192	19,928	18,948
22192	Pengilangan semula getah dan prosesan susu getah								
22192	Pembuatan sarung tangan getah	59,760	59,343	60,077	58,520	57,283	55,214	54,281	57,140
22199	Pembuatan produk getah lain yang t.t.t.l.	33,641	33,697	33,577	33,325	32,645	31,231	31,215	32,679
222	Pembuatan produk plastik	159,500	159,940	159,633	161,351	161,657	161,005	164,502	162,784
22201 & 22202	Pembuatan produk plastik separa siap	37,595	37,674	37,301	38,878	39,037	38,558	38,435	38,464
22202	Pembuatan produk plastik siap								
22203	Pembuatan artikel plastik untuk pembungkusan barangan	50,487	51,005	50,812	51,237	51,260	51,215	52,383	52,408
22204	Pembuatan barangan plastik jurubina	3,703	3,713	3,699	3,680	3,701	3,690	3,675	3,665
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	14,472	14,668	14,782	14,621	14,704	14,642	14,102	14,978
22209	Pembuatan pelbagai produk plastik t.t.t.l.	53,244	52,879	53,040	52,935	52,954	52,901	55,907	53,269
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	21,005	21,062	21,026	21,032	21,266	21,133	20,225	21,028

2024											Group Description/Period
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
68,637	69,247	70,125	69,802	69,268	69,320	67,760	68,578	69,747	69,742	70,073	Manufacture of products of wood, cork, straw and plaiting materials
38,723	39,065	39,812	39,618	38,924	38,998	37,829	38,048	38,937	39,264	39,783	Manufacture of veneer sheets and plywood
7,116	7,092	7,005	6,961	6,921	7,077	7,008	7,012	7,314	7,317	7,247	Manufacture of particle board and fibreboard
9,651	9,703	9,701	9,650	9,739	9,692	9,627	9,597	9,564	9,443	9,432	Manufacture of builders' carpentry
13,146	13,386	13,608	13,573	13,684	13,554	13,296	13,921	13,932	13,719	13,611	Other industry
58,587	59,353	59,133	59,265	59,457	59,910	59,848	59,082	58,102	58,041	57,797	Manufacture of paper and paper products
8,582	8,701	8,693	9,041	9,333	9,357	9,297	9,276	8,772	8,753	8,789	Manufacture of pulp, paper and paperboard
23,416	23,682	23,660	23,505	23,312	23,406	23,403	22,775	22,731	22,740	22,431	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
1,777	1,785	1,782	1,762	1,768	1,768	1,715	1,686	1,689	1,675	1,684	Manufacture of envelopes and letter-card
11,368	11,526	11,436	11,370	11,397	11,420	11,361	11,332	10,884	10,882	10,703	Manufacture of household and personal hygiene paper
7,465	7,557	7,496	7,480	7,512	7,832	7,856	7,875	7,843	7,854	7,892	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
5,979	6,103	6,066	6,107	6,134	6,127	6,215	6,137	6,182	6,137	6,298	Other industry
68,928	70,157	70,901	71,281	68,570	68,558	68,381	67,899	68,016	68,032	68,063	Printing, service activities related to printing and reproduction of recorded media
56,789	57,508	58,314	58,603	56,145	56,099	56,011	55,475	55,460	55,417	55,378	Printing
12,139	12,648	12,587	12,678	12,424	12,460	12,370	12,423	12,556	12,615	12,686	Service activities related to printing
											Reproduction of recorded media
18,199	18,408	18,453	18,473	18,245	18,511	18,821	18,538	18,340	18,324	18,405	Manufacture of refined petroleum products
47,094	47,911	47,892	47,699	48,215	48,536	49,133	49,523	49,143	48,962	48,889	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
6,192	6,316	6,333	6,330	6,531	6,520	6,818	6,829	6,921	6,938	6,966	Manufacture of liquefied or compressed inorganic industrial or medical gases
19,050	19,429	19,273	19,255	19,246	19,452	19,676	19,831	19,624	19,527	19,587	Manufacture of basic organic chemicals
											Manufacture of inorganic compounds
											Manufacture of fertilizers
7,227	7,293	7,355	7,201	7,363	7,360	7,397	7,569	7,336	7,327	7,312	Manufacture of associated nitrogen products
11,411	11,580	11,661	11,649	11,738	11,855	11,866	11,907	11,882	11,793	11,633	Manufacture of plastics in primary forms
3,215	3,292	3,271	3,264	3,337	3,350	3,377	3,388	3,379	3,377	3,391	Other industry
55,364	55,918	56,239	55,846	55,744	55,915	56,350	55,798	55,900	55,669	54,842	Manufacture of other chemical products and man-made fibres
4,419	4,609	4,606	4,587	4,655	4,629	4,643	4,672	4,700	4,691	4,683	Manufacture of pesticides and other agrochemical products
9,412	9,528	9,557	9,587	9,854	9,874	10,133	9,749	9,712	9,706	9,601	Manufacture of paints, varnishes and similar coatings ink and mastics
5,883	5,914	5,932	5,924	5,968	5,957	6,068	6,110	6,084	6,094	5,658	Manufacture of printing ink
19,767	19,969	20,058	20,041	19,489	19,756	19,883	19,773	19,937	19,772	19,639	Manufacture of soap and detergents, cleaning and polishing preparations
											Manufacture of perfumes and toilet preparations
											Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
15,588	15,625	15,812	15,435	15,505	15,419	15,334	15,211	15,187	15,132	14,991	Manufacture of writing and drawing ink
											Manufacture of other chemical products n.e.c.
295	273	273	273	273	280	288	282	280	273	270	Other industry
29,297	29,415	28,071	27,967	27,305	27,303	27,334	28,522	28,114	28,060	28,554	Manufacture of pharmaceuticals, medicinal chemical and botanical products
20,535	20,611	19,553	19,519	18,859	18,831	18,758	19,871	19,383	19,397	19,739	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
8,762	8,803	8,518	8,448	8,446	8,472	8,576	8,652	8,730	8,662	8,815	Other industry
118,329	118,150	117,668	117,399	116,188	115,900	115,414	114,288	113,842	110,997	111,326	Manufacture of rubber products
6,731	6,708	6,814	6,790	6,834	6,787	6,761	6,860	6,825	6,736	6,623	Manufacture of rubber tyres for vehicles
2,427	2,473	2,665	2,564	2,571	2,581	2,566	2,554	2,550	2,490	2,515	Manufacture of interchangeable tyre treads and retreading rubber tyres
18,619	18,505	18,449	18,551	18,842	18,961	18,997	19,216	19,132	19,213	19,159	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
											Rubber remilling and latex processing
57,500	57,279	56,889	56,913	55,205	55,242	54,956	53,407	53,068	51,979	52,129	Manufacture of rubber gloves
33,052	33,184	32,851	32,581	32,736	32,329	32,134	32,251	32,266	30,578	30,899	Manufacture of other rubber products n.e.c.
163,072	163,099	164,385	164,184	164,713	164,009	163,740	166,306	167,104	165,999	169,568	Manufacture of plastics products
											Manufacture of semi-manufactures of plastic products
38,510	38,449	38,259	38,248	38,153	38,275	37,765	39,064	39,436	38,681	38,716	Manufacture of finished plastic products
53,151	53,247	53,175	53,304	53,552	53,375	53,214	53,721	53,690	53,279	53,356	Manufacture of plastic articles for the packing of goods
3,708	3,728	3,676	3,666	3,729	3,699	3,699	3,744	3,761	3,752	3,715	Manufacture of builders' plastics ware
14,638	14,344	14,283	14,272	14,657	14,639	14,756	14,733	14,719	14,749	14,794	Manufacture of plastic tableware, kitchenware and toilet articles
53,066	53,331	54,992	54,694	54,622	54,021	54,306	55,045	55,499	55,539	58,987	Manufacture of diverse plastic products n.e.c.
21,102	20,841	20,784	20,742	20,798	20,939	21,080	21,294	22,204	22,378	21,729	Manufacture of glass and glass products

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Table

1.5a

: Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan
: Number of Paid Employees of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023		
				Q1	Q2	Q3
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	86,356	88,491	84,597	86,275	88,467
23911	Pembuatan mortar refraktori dan konkrit					
&						
23921	Pembuatan seramik bukan refraktori	10,661	9,801	9,930	9,940	9,890
23930	Pembuatan produk porselin dan seramik lain	5,248	4,467	4,429	4,517	4,532
23941	Pembuatan simen hidrolik	7,303	7,374	7,152	7,117	7,085
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	16,685	16,934	15,664	15,793	16,840
23952	Pembuatan konkrit pratuangan, simen atau artikel batu					
&	buatan yang digunakan dalam pembinaan;					
23953	Pembuatan komponen struktur pasang siap untuk bangunan	30,016	31,244	30,811	31,744	31,841
&	atau kejuruteraan awam dari simen, batu atau konkrit buatan					
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.					
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	8,662	9,737	8,532	8,805	9,416
	Industri lain	7,782	8,934	8,081	8,360	8,864
241						
(24101 &						
24102 &	Pembuatan besi dan keluli asas	54,534	57,448	54,032	54,571	56,411
24103 &						
24104 &						
24109)						
242						
(24201 &	Pembuatan logam asas berharga dan logam bukan ferus lain	42,642	40,119	43,283	41,983	40,579
24202 &						
24209)						
243	Pengacuan logam	14,362	14,589	15,271	14,598	14,907
251 &						
252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	60,158	60,999	60,572	59,198	59,930
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan					
&	pintu pagar daripada logam	40,355	42,207	40,398	39,265	41,170
25119	Pembuatan produk struktur logam lain					
25120	Pembuatan tangki, takungan dan kontena daripada logam	11,447	10,497	11,540	11,296	10,565
	Industri lain	8,357	8,295	8,633	8,637	8,194
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	99,084	104,424	101,196	99,035	103,148
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	22,151	22,087	21,696	20,746	22,294
25920	Rawatan dan penyalutan logam; menggunakan mesin	12,860	11,612	13,812	13,007	11,600
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	7,655	8,120	7,797	7,547	8,223
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	19,365	20,973	19,498	19,500	20,294
&						
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya					
25994	Pembuatan barangan rumah daripada logam	3,168	3,615	3,374	3,354	3,383
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	23,427	25,279	23,789	23,520	24,658
	Industri lain	10,458	12,738	11,228	11,362	12,696
261	Pembuatan komponen dan papan elektronik	234,460	238,894	236,008	242,587	242,230
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	127,805	128,999	127,630	130,000	130,403
&						
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro					
26103	Pembuatan kapasitor dan perintang elektrik					
&						
26104	Pembuatan papan litar bercetak	92,370	95,182	94,113	97,567	96,888
&						
26105	Pembuatan komponen paparan					
26109	Pembuatan komponen lain untuk aplikasi elektronik	14,285	14,712	14,265	15,021	14,939
262						
(26201 &	Pembuatan komputer dan kelengkapan peranti	69,667	67,464	66,793	66,941	66,748
26202)						
263/						
26300	Pembuatan peralatan komunikasi	26,230	26,319	25,929	26,504	26,052
264/						
26400	Pembuatan peralatan elektronik pengguna	35,099	36,292	34,130	34,337	37,718
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	31,734	31,691	32,146	32,143	31,578
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah					
&	dan kawalan	24,604	24,642	24,911	25,311	24,547
26512	Pembuatan kelengkapan kawalan proses perindustrian					
26520	Pembuatan jam tangan dan jam dan bahagiannya	7,131	7,049	7,236	6,832	7,031
266/						
26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	13,120	12,708	13,055	13,114	12,862

2024			2023	2024	Group Description/Period
Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	
88,491	84,706	85,089	87,570	86,462	Manufacture of non-metallic mineral products n.e.c. Manufacture of refractory mortars and concretes
9,801	9,010	8,758	9,711	8,687	Manufacture of non-refractory ceramic
4,467	4,364	4,290	4,584	4,393	Manufacture of other porcelain and ceramic products
7,374	7,153	7,107	7,381	7,453	Manufacture of hydraulic cement
16,934	16,016	16,317	16,281	16,631	Manufacture of ready-mix and dry-mix concrete and mortars
					Manufacture of precast concrete, cement or artificial stone articles for use in construction
31,244	29,317	29,654	31,840	29,628	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
9,737	9,690	9,621	9,307	10,194	Manufacture of other articles of concrete, cement and plaster n.e.c.
8,934	9,157	9,342	8,466	9,477	Manufacture of other non-metallic mineral products n.e.c. Other industry
57,448	57,788	57,789	54,393	57,545	Manufacture of basic iron and steel
40,119	40,203	39,877	42,129	39,520	Manufacture of basic precious and other non-ferrous metals
14,589	15,168	14,518	14,579	15,110	Casting of metals
60,999	61,607	61,803	59,123	61,788	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
					Manufacture of metal doors, windows and their frames, shutters and gates
42,207	42,492	42,637	39,519	42,574	Manufacture of other structural metal products
10,497	10,676	10,801	11,205	10,830	Manufacture of tanks, reservoirs and containers of metal
8,295	8,440	8,364	8,400	8,385	Other industry
104,424	105,871	103,981	99,938	104,485	Manufacture of other fabricated metal products; metal working service activities Forging, pressing, stamping and roll-forming of metal; powder metallurgy
22,087	21,514	21,169	21,395	21,836	Treatment and coating of metals; machining
11,612	12,241	11,264	12,885	11,120	Manufacture of tins and cans for food products, collapsible tubes and boxes
8,120	8,434	8,385	7,631	8,500	Manufacture of metal cable, plaited bands and similar articles
20,973	21,381	21,100	19,839	20,722	Manufacture of bolts, screws, nuts and similar threaded products
3,615	3,559	3,309	3,352	3,291	Manufacture of metal household articles
25,279	25,516	25,412	23,414	25,443	Manufacture of any other fabricated metal products n.e.c.
12,738	13,226	13,343	11,421	13,573	Other industry
238,894	230,131	235,558	236,704	227,849	Manufacture of electronic components and boards Manufacture of diodes, transistors and similar semiconductor devices
128,999	124,881	126,870	127,640	122,340	Manufacture of electronic integrated circuits micro assemblies
					Manufacture of electrical capacitors and resistors
95,182	90,605	93,978	94,153	90,764	Manufacture of printed circuit boards
					Manufacture of display components
14,712	14,644	14,709	14,911	14,744	Manufacture of other components for electronic applications
67,464	67,910	69,261	66,536	68,949	Manufacture of computers and peripheral equipment
26,319	26,073	26,616	24,800	26,228	Manufacture of communication equipment
36,292	35,649	35,906	33,943	36,048	Manufacture of consumer electronics
31,691	32,011	33,332	31,626	32,463	Manufacture of measuring, testing, navigating and control equipment; watches and clocks Manufacture of measuring, testing, navigating and control equipment
24,642	24,815	26,080	24,810	25,212	Manufacture of industrial process control equipment
7,049	7,196	7,252	6,816	7,251	Manufacture of watches and clocks and parts
12,708	12,236	12,264	11,988	11,713	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual
Table

1.5a

: Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan (samb.)
: Number of Paid Employees of Manufacturing Sector by Group (cont.)

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023							
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	86,764	84,734	84,597	85,017	85,642	86,275	87,570	87,684
23911	Pembuatan mortar refraktori dan konkrit								
&									
23921	Pembuatan seramik bukan refraktori	10,126	9,968	9,930	9,889	9,837	9,940	9,711	9,972
23930	Pembuatan produk porselin dan seramik lain	5,261	4,449	4,429	4,384	4,534	4,517	4,584	4,685
23941	Pembuatan simen hidrolik	7,410	7,413	7,152	7,130	7,145	7,117	7,381	7,000
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	16,853	15,890	15,664	15,652	15,833	15,793	16,281	16,315
23952	Pembuatan konkrit pratuangan, simen atau artikel batu								
&	buatan yang digunakan dalam pembinaan;								
23953	Pembuatan komponen struktur pasang siap untuk bangunan								
&	atau kejuruteraan awam dari simen, batu atau konkrit buatan								
	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	30,459	30,305	30,811	31,153	31,352	31,744	31,840	31,738
23959									
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	8,558	8,621	8,532	8,618	8,764	8,805	9,307	9,146
	Industri lain	8,097	8,088	8,081	8,189	8,177	8,360	8,466	8,828
241									
(24101 &									
24102 &									
24103 &									
24104 &									
24109)									
242									
(24201 &									
24202 &									
24209)									
243	Pengacuan logam	14,866	15,369	15,271	14,889	14,682	14,598	14,579	14,899
251 &									
252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	59,926	60,142	60,572	59,650	60,307	59,198	59,123	60,012
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan								
&	pintu pagar daripada logam								
25119	Pembuatan produk struktur logam lain	40,023	40,175	40,398	39,796	40,239	39,265	39,519	41,711
25120	Pembuatan tangki, takungan dan kontena daripada logam	11,429	11,507	11,540	11,227	11,368	11,296	11,205	10,141
	Industri lain	8,474	8,460	8,633	8,626	8,700	8,637	8,400	8,159
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	100,149	101,147	101,196	99,821	99,997	99,035	99,938	101,819
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	22,317	21,794	21,696	21,086	21,096	20,746	21,395	22,121
25920	Rawatan dan penyalutan logam; menggunakan mesin	12,990	13,420	13,812	13,194	13,133	13,007	12,885	11,668
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	7,925	7,926	7,797	7,461	7,478	7,547	7,631	8,282
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam								
&									
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	19,603	19,804	19,498	19,600	19,649	19,500	19,839	19,803
25994	Pembuatan barangan rumah daripada logam	3,224	3,222	3,374	3,420	3,399	3,354	3,352	3,325
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	23,533	24,024	23,789	23,792	23,865	23,520	23,414	24,327
	Industri lain	10,557	10,956	11,228	11,269	11,378	11,362	11,421	12,294
261	Pembuatan komponen dan papan elektronik	232,601	235,331	236,008	240,519	242,132	242,587	236,704	239,866
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya								
&									
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	125,741	127,188	127,630	132,595	130,700	130,000	127,640	130,145
26103	Pembuatan kapasitor dan perintang elektrik								
&									
26104	Pembuatan papan litar bercetak	92,577	93,866	94,113	93,703	96,536	97,567	94,153	94,885
&									
26105	Pembuatan komponen paparan								
26109	Pembuatan komponen lain untuk aplikasi elektronik	14,283	14,277	14,265	14,221	14,897	15,021	14,911	14,836
262									
(26201 &									
26202)									
263/									
26300	Pembuatan peralatan komunikasi	26,067	25,910	25,929	26,167	26,399	26,504	24,800	25,823
264/									
26400	Pembuatan peralatan elektronik pengguna	34,397	34,161	34,130	33,564	34,215	34,337	33,943	35,963
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	31,749	32,153	32,146	32,093	32,335	32,143	31,626	30,844
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan								
&									
26512	Pembuatan kelengkapan kawalan proses perindustrian	24,687	25,020	24,911	24,945	25,343	25,311	24,810	24,097
26520	Pembuatan jam tangan dan jam dan bahagiannya	7,062	7,133	7,236	7,148	6,991	6,832	6,816	6,747
266/									
26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	13,142	13,004	13,055	12,999	13,097	13,114	11,988	12,457

2024											Group Description/Period
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
88,467	88,180	88,875	88,491	86,363	84,916	84,706	85,274	84,968	85,089	86,462	Manufacture of non-metallic mineral products n.e.c.
											Manufacture of refractory mortars and concretes
9,890	9,748	9,811	9,801	9,260	9,087	9,010	8,955	8,736	8,758	8,687	Manufacture of non-refractory ceramic
4,532	4,480	4,525	4,467	4,393	4,317	4,364	4,309	4,295	4,290	4,393	Manufacture of other porcelain and ceramic products
7,085	7,074	7,381	7,374	7,443	7,420	7,153	7,155	7,144	7,107	7,453	Manufacture of hydraulic cement
16,840	16,709	17,103	16,934	16,968	15,943	16,016	16,009	16,180	16,317	16,631	Manufacture of ready-mix and dry-mix concrete and mortars
											Manufacture of precast concrete, cement or artificial stone articles for use in construction
31,841	31,686	31,422	31,244	29,282	29,152	29,317	29,871	29,460	29,654	29,628	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
											Manufacture of other articles of concrete, cement and plaster n.e.c.
9,416	9,664	9,737	9,737	9,843	9,826	9,690	9,660	9,892	9,621	10,194	Manufacture of other non-metallic mineral products n.e.c.
8,864	8,819	8,897	8,934	9,174	9,171	9,157	9,314	9,263	9,342	9,477	Other industry
56,411	57,038	57,281	57,448	57,986	57,243	57,788	57,698	57,684	57,789	57,545	Manufacture of basic iron and steel
40,579	40,711	40,093	40,119	40,581	40,307	40,203	40,069	39,987	39,877	39,520	Manufacture of basic precious and other non-ferrous metals
14,907	15,056	14,632	14,589	14,965	15,266	15,168	15,143	15,031	14,518	15,110	Casting of metals
59,930	59,600	59,598	60,999	61,110	60,874	61,607	61,490	61,185	61,803	61,788	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
											Manufacture of metal doors, windows and their frames, shutters and gates
41,170	40,883	40,657	42,207	42,022	41,860	42,492	42,482	41,995	42,637	42,574	Manufacture of other structural metal products
10,565	10,450	10,643	10,497	10,690	10,717	10,676	10,702	10,805	10,801	10,830	Manufacture of tanks, reservoirs and containers of metal
8,194	8,267	8,299	8,295	8,397	8,297	8,440	8,306	8,385	8,364	8,385	Other industry
103,148	103,362	103,038	104,424	105,606	105,475	105,871	105,095	105,356	103,981	104,485	Manufacture of other fabricated metal products; metal working service activities
											Forging, pressing, stamping and roll-forming of metal; powder metallurgy
22,294	22,304	22,099	22,087	22,075	21,429	21,514	21,480	21,533	21,169	21,836	Treatment and coating of metals; machining
11,600	11,719	11,630	11,612	11,827	11,836	12,241	11,687	11,536	11,264	11,120	Manufacture of tins and cans for food products, collapsible tubes and boxes
8,223	8,265	8,129	8,120	8,517	8,362	8,434	8,367	8,408	8,385	8,500	Manufacture of metal cable, plaited bands and similar articles
20,294	20,262	20,164	20,973	21,450	21,472	21,381	21,310	21,337	21,100	20,722	Manufacture of bolts, screws, nuts and similar threaded products
3,383	3,433	3,619	3,615	3,600	3,604	3,559	3,525	3,525	3,309	3,291	Manufacture of metal household articles
24,658	24,744	24,606	25,279	25,376	25,452	25,516	25,654	25,800	25,412	25,443	Manufacture of any other fabricated metal products n.e.c.
12,696	12,636	12,790	12,738	12,762	13,320	13,226	13,072	13,216	13,343	13,573	Other industry
242,230	241,440	239,917	238,894	235,495	231,534	230,131	232,987	234,698	235,558	227,849	Manufacture of electronic components and boards
											Manufacture of diodes, transistors and similar semiconductor devices
130,403	130,169	129,655	128,999	127,090	125,267	124,881	126,875	126,954	126,870	122,340	Manufacture of electronic integrated circuits micro assemblies
											Manufacture of electrical capacitors and resistors
96,888	96,419	95,515	95,182	93,640	91,486	90,605	91,549	93,158	93,978	90,764	Manufacture of printed circuit boards
											Manufacture of display components
14,939	14,852	14,747	14,712	14,765	14,781	14,644	14,563	14,587	14,709	14,744	Manufacture of other components for electronic applications
66,748	66,616	67,609	67,464	67,223	67,423	67,910	67,698	68,606	69,261	68,949	Manufacture of computers and peripheral equipment
26,052	26,415	26,371	26,319	26,117	25,981	26,073	26,365	26,655	26,616	26,228	Manufacture of communication equipment
37,718	37,026	36,514	36,292	35,644	35,535	35,649	35,077	35,941	35,906	36,048	Manufacture of consumer electronics
31,578	31,500	31,655	31,691	31,823	31,940	32,011	32,052	32,589	33,332	32,463	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
											Manufacture of measuring, testing, navigating and control equipment
24,547	24,486	24,599	24,642	24,764	24,865	24,815	24,941	25,412	26,080	25,212	Manufacture of industrial process control equipment
7,031	7,013	7,056	7,049	7,059	7,076	7,196	7,111	7,177	7,252	7,251	Manufacture of watches and clocks and parts
12,862	12,773	12,725	12,708	12,273	12,234	12,236	12,194	12,228	12,264	11,713	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual
Table

1.5a

: Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan
: Number of Paid Employees of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023		
				Q1	Q2	Q3
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	5,818	5,915	5,980	5,853	6,236
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	44,502	43,800	44,617	43,394	44,787
27101	Pembuatan motor elektrik, penjana dan transformer	18,608	18,737	18,928	18,215	19,102
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	25,894	25,064	25,689	25,179	25,685
272/ 27200	Pembuatan bateri dan akumulator	8,687	8,671	8,624	8,589	8,939
273	Pembuatan pendawaian dan peranti pendawaian	24,074	23,530	24,299	23,545	24,010
27310	Pembuatan kabel gentian optikal	926	969	949	975	962
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	21,825	20,980	21,892	21,073	21,463
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1,323	1,581	1,459	1,496	1,585
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	3,656	3,934	3,624	3,555	3,908
275/ 27500	Pembuatan perkakasan domestik	14,844	14,766	15,597	15,738	15,024
279/ 27900	Pembuatan kelengkapan elektrik lain	7,818	7,709	7,873	7,726	7,785
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	96,289	93,994	97,105	98,507	95,536
28120 & 28130	Pembuatan alat-alat kuasa bendalir	7,548	6,346	7,916	7,978	7,314
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	22,093	22,759	22,879	23,370	22,743
28192	Pembuatan jentera pembentukan logam dan alatan mesin					
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	10,104	8,842	10,320	9,918	9,058
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l.	9,303	8,427	9,516	9,741	8,443
	Industri lain	47,242	47,621	46,473	47,499	47,977
291 (29101 & 29102)	Pembuatan kenderaan bermotor	25,340	25,665	24,538	24,742	25,777
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	7,336	8,712	7,572	7,608	8,612
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	54,158	53,237	54,927	54,735	53,178
301 (30110 & 30120)	Pembinaan kapal dan bot	13,936	15,257	14,201	14,379	15,054
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	29,491	29,049	30,053	29,372	28,999
30910	Pembuatan motosikal	11,782	12,956	12,510	11,955	12,904
30920	Pembuatan basikal dan <i>invalid carriages</i>	3,464	1,579	3,241	3,048	1,749
	Industri lain	14,244	14,514	14,302	14,368	14,346
310	Pembuatan perabot	77,294	81,979	79,337	80,585	81,400
31001	Pembuatan perabot kayu dan rotan	59,201	62,863	60,595	61,797	62,840
	Industri lain	18,092	19,116	18,742	18,787	18,561
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	5,577	5,665	6,107	5,818	5,597
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	27,237	28,203	27,190	27,092	28,430
32901	Pembuatan alat tulis	6,191	6,097	6,062	5,971	6,269
	Industri lain	21,046	22,107	21,129	21,121	22,162
323/ 32300	Pembuatan barangan sukan	2,723	2,108	2,585	2,583	2,149
324/ 32400	Pembuatan permainan dan mainan	5,251	4,999	5,052	4,999	5,026
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	42,314	43,843	43,583	43,593	43,616
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	6,891	7,256	7,280	7,339	7,324
	Industri lain	35,423	36,587	36,302	36,254	36,292
Jumlah Pembuatan		2,335,435	2,374,557	2,351,269	2,345,574	2,372,752

2024		2023		2024	Group Description/Period
Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	
5,915	5,855	5,740	5,800	5,603	Manufacture of optical instruments, photographic equipment, magnetic and optical media
43,800	43,055	42,848	44,057	44,533	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
18,737	18,827	18,933	18,430	19,092	Manufacture of electric motors, generators and transformers
25,064	24,229	23,915	25,627	25,441	Manufacture of electricity distribution and control apparatus
8,671	8,775	8,692	8,534	8,581	Manufacture of batteries and accumulators
23,530	23,981	23,726	23,357	23,515	Manufacture of wiring and wiring devices
969	968	1,024	960	1,005	Manufacture of fibre optic cables
20,980	21,442	21,105	20,962	20,980	Manufacture of other electronic and electric wires and cables
1,581	1,571	1,597	1,435	1,530	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
3,934	4,007	4,013	3,684	4,098	Manufacture of electric lighting equipment
14,766	15,468	15,175	15,447	14,856	Manufacture of domestic appliances
7,709	7,630	7,587	7,800	7,544	Manufacture of other electrical equipment
93,994	94,976	96,215	96,005	96,394	Manufacture of general-purpose and special-purpose machinery
6,346	5,958	5,873	7,893	5,911	Manufacture of fluid power equipmen
					Manufacture of other pumps, compressors, taps and valves
					Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
22,759	22,920	23,750	22,959	23,517	Manufacture of metal-forming machinery and machine tools
8,842	9,010	8,691	8,977	8,579	Manufacture of air-conditioning machines, including for motor vehicles
8,427	8,529	8,573	9,791	8,604	Manufacture of other special-purpose machinery n.e.c.
47,621	48,558	49,329	46,385	49,783	Other industry
25,665	24,734	24,577	25,324	25,052	Manufacture of motor vehicles
8,712	8,387	8,169	7,726	8,274	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
53,237	51,853	54,479	54,809	54,802	Manufacture of parts and accessories for motor vehicles
15,257	15,150	14,917	14,709	14,824	Building of ships and boats
29,049	29,451	29,677	29,691	30,508	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
12,956	13,186	13,109	12,748	14,035	Manufacture of motorcycles
1,579	1,485	1,617	2,633	1,646	Manufacture of bicycles and invalid carriages
14,514	14,780	14,951	14,309	14,827	Other industry
81,979	83,395	83,335	80,271	82,533	Manufacture of furniture
62,863	63,535	63,632	61,612	62,790	Manufacture of wooden and cane furniture
19,116	19,861	19,703	18,659	19,743	Other industry
5,665	5,726	5,462	5,567	5,211	Manufacture of jewellery, bijouterie and related articles
28,203	28,288	28,153	28,373	29,104	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
6,097	5,999	5,863	6,038	5,948	Manufacture of stationery
22,107	22,289	22,291	22,335	23,156	Other industry
2,108	2,351	2,382	2,581	2,395	Manufacture of sports goods
4,999	4,963	4,975	4,549	4,994	Manufacture of games and toys
43,843	44,429	43,757	44,126	44,231	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
7,256	7,560	7,478	7,271	7,530	Repair and maintenance of transport equipment except motorcycles and bicycles
36,587	36,869	36,278	36,855	36,701	Other industry
2,374,557	2,363,344	2,369,595	2,340,123	2,369,452	Total Manufacturing

Jadual
Table **1.5a** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan (samb.)
: Number of Paid Employees of Manufacturing Sector by Group (cont.)

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023							
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	6,019	5,956	5,980	5,891	5,916	5,853	5,800	6,165
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	44,702	44,495	44,617	43,615	43,288	43,394	44,057	44,811
	27101 Pembuatan motor elektrik, penjana dan transformer	19,030	18,915	18,928	18,370	18,325	18,215	18,430	18,952
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	25,672	25,580	25,689	25,245	24,962	25,179	25,627	25,859
272/ 27200	Pembuatan bateri dan akumulator	8,689	8,630	8,624	8,538	8,587	8,589	8,534	8,674
273	Pembuatan pendawaian dan peranti pendawaian	23,949	24,428	24,299	24,434	23,557	23,545	23,357	23,815
	27310 Pembuatan kabel gentian optikal	936	941	949	961	974	975	960	955
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	21,586	22,060	21,892	21,973	21,087	21,073	20,962	21,334
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1,427	1,427	1,459	1,501	1,496	1,496	1,435	1,526
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	3,601	3,521	3,624	3,528	3,501	3,555	3,684	3,858
275/ 27500	Pembuatan perkakasan domestik	14,901	14,932	15,597	15,371	15,888	15,738	15,447	15,692
279/ 27900	Pembuatan kelengkapan elektrik lain	7,905	7,882	7,873	7,782	7,741	7,726	7,800	7,964
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	96,996	98,086	97,105	97,395	96,815	98,507	96,005	96,046
	28120 & Pembuatan alat-alat kuasa bendalir	7,902	7,976	7,916	7,874	7,856	7,978	7,893	7,373
	28130 Pembuatan pam, pemampat, kepala paip dan injap lain								
	28180 & Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	22,213	22,593	22,879	22,934	22,787	23,370	22,959	22,665
	28220 Pembuatan jentera pembentukan logam dan alatan mesin								
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	10,379	10,517	10,320	10,248	9,980	9,918	8,977	8,938
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	9,397	9,530	9,516	9,637	9,689	9,741	9,791	8,673
		47,104	47,471	46,473	46,702	46,503	47,499	46,385	48,397
291 (29101 & 29102)	Pembuatan kenderaan bermotor	25,254	24,684	24,538	24,501	24,840	24,742	25,324	25,689
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	7,361	7,676	7,572	7,590	7,595	7,608	7,726	8,581
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	54,385	54,728	54,927	54,833	55,002	54,735	54,809	53,205
301 (30110 & 30120)	Pembinaan kapal dan bot	14,356	14,389	14,201	14,031	14,262	14,379	14,709	14,826
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	29,937	29,923	30,053	29,681	29,565	29,372	29,691	28,994
	30910 Pembuatan motosikal	12,113	12,233	12,510	12,163	11,853	11,955	12,748	12,489
	30920 Pembuatan basikal dan <i>invalid carriages</i>	3,349	3,280	3,241	3,227	3,146	3,048	2,633	1,969
	Industri lain	14,475	14,411	14,302	14,290	14,566	14,368	14,309	14,536
310	Pembuatan perabot	79,024	79,053	79,337	80,462	80,682	80,585	80,271	80,892
	31001 Pembuatan perabot kayu dan rotan	60,332	60,239	60,595	61,799	61,915	61,797	61,612	62,751
	Industri lain	18,692	18,815	18,742	18,664	18,767	18,787	18,659	18,141
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	5,981	6,112	6,107	6,014	6,041	5,818	5,567	5,485
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	27,159	27,107	27,190	26,890	27,073	27,092	28,373	28,404
	32901 Pembuatan alat tulis	6,215	6,079	6,062	6,057	6,077	5,971	6,038	6,239
	Industri lain	20,944	21,028	21,129	20,833	20,996	21,121	22,335	22,165
323/ 32300	Pembuatan barangan sukan	2,646	2,547	2,585	2,576	2,580	2,583	2,581	2,172
324/ 32400	Pembuatan permainan dan mainan	5,130	5,127	5,052	5,024	5,044	4,999	4,549	5,005
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	43,460	43,478	43,583	43,684	44,026	43,593	44,126	44,084
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	7,422	7,409	7,280	7,434	7,286	7,339	7,271	7,395
	Industri lain	36,037	36,069	36,302	36,251	36,740	36,254	36,855	36,689
Jumlah Pembuatan		2,341,951	2,349,967	2,351,269	2,349,159	2,355,748	2,345,574	2,340,123	2,355,111

2024											Group Description/Period
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
6,236	6,186	5,937	5,915	5,678	5,718	5,855	5,930	5,794	5,740	5,603	Manufacture of optical instruments, photographic equipment, magnetic and optical media
44,787	44,515	44,123	43,800	43,821	43,094	43,055	42,930	43,210	42,848	44,533	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
19,102	18,989	18,799	18,737	18,722	18,703	18,827	18,875	19,029	18,933	19,092	Manufacture of electric motors, generators and transformers
25,685	25,525	25,325	25,064	25,099	24,390	24,229	24,055	24,181	23,915	25,441	Manufacture of electricity distribution and control apparatus
8,939	8,998	8,653	8,671	8,677	8,792	8,775	8,756	8,793	8,692	8,581	Manufacture of batteries and accumulators
24,010	23,909	23,779	23,530	23,984	23,927	23,981	23,986	23,985	23,726	23,515	Manufacture of wiring and wiring devices
962	988	992	969	969	965	968	989	1,003	1,024	1,005	Manufacture of fibre optic cables
21,463	21,330	21,211	20,980	21,421	21,374	21,442	21,414	21,400	21,105	20,980	Manufacture of other electronic and electric wires and cables
1,585	1,590	1,576	1,581	1,594	1,588	1,571	1,582	1,582	1,597	1,530	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
3,908	3,927	3,900	3,934	3,976	3,872	4,007	3,901	3,938	4,013	4,098	Manufacture of electric lighting equipment
15,024	14,961	14,881	14,766	14,858	14,697	15,468	15,379	15,364	15,175	14,856	Manufacture of domestic appliances
7,785	7,739	7,676	7,709	7,734	7,657	7,630	7,607	7,617	7,587	7,544	Manufacture of other electrical equipment
95,536	95,332	95,471	93,994	94,750	95,978	94,976	95,061	94,429	96,215	96,394	Manufacture of general-purpose and special-purpose machinery
											Manufacture of fluid power equipment
7,314	7,378	7,334	6,346	5,997	5,992	5,958	5,974	5,995	5,873	5,911	Manufacture of other pumps, compressors, taps and valves
											Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
22,743	22,710	22,769	22,759	23,198	23,887	22,920	23,014	22,891	23,750	23,517	Manufacture of metal-forming machinery and machine tools
9,058	8,974	8,896	8,842	9,034	9,039	9,010	9,222	8,700	8,691	8,579	Manufacture of air-conditioning machines, including for motor vehicles
8,443	8,445	8,418	8,427	8,450	8,489	8,529	8,479	8,536	8,573	8,604	Manufacture of other special-purpose machinery n.e.c.
47,977	47,825	48,053	47,621	48,070	48,571	48,558	48,373	48,307	49,329	49,783	Other industry
25,777	25,917	25,904	25,665	25,698	25,619	24,734	24,755	24,536	24,577	25,052	Manufacture of motor vehicles
8,612	8,662	8,618	8,712	8,550	8,469	8,387	8,356	8,367	8,169	8,274	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
53,178	53,183	53,069	53,237	53,768	53,222	51,853	55,315	54,799	54,479	54,802	Manufacture of parts and accessories for motor vehicles
15,054	14,933	15,177	15,257	15,401	15,387	15,150	14,962	14,919	14,917	14,824	Building of ships and boats
28,999	29,105	28,979	29,049	29,327	29,205	29,451	29,490	29,735	29,677	30,508	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
12,904	13,083	13,033	12,956	12,902	12,857	13,186	13,207	13,124	13,109	14,035	Manufacture of motorcycles
1,749	1,634	1,584	1,579	1,543	1,512	1,485	1,486	1,561	1,617	1,646	Manufacture of bicycles and invalid carriages
14,346	14,388	14,362	14,514	14,882	14,837	14,780	14,798	15,050	14,951	14,827	Other industry
81,400	82,545	81,929	81,979	82,638	83,028	83,395	85,027	84,819	83,335	82,533	Manufacture of furniture
62,840	63,551	62,918	62,863	62,863	63,139	63,535	65,077	65,036	63,632	62,790	Manufacture of wooden and cane furniture
18,561	18,994	19,011	19,116	19,775	19,889	19,861	19,951	19,783	19,703	19,743	Other industry
5,597	5,620	5,669	5,665	5,692	5,546	5,726	5,618	5,685	5,462	5,211	Manufacture of jewellery, bijouterie and related articles
28,430	28,497	28,454	28,203	28,053	28,306	28,288	28,061	28,063	28,153	29,104	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
6,269	6,257	6,115	6,097	5,979	6,015	5,999	6,032	5,838	5,863	5,948	Manufacture of stationery
22,162	22,240	22,339	22,107	22,074	22,291	22,289	22,030	22,226	22,291	23,156	Other industry
2,149	2,124	2,172	2,108	2,156	2,162	2,351	2,402	2,419	2,382	2,395	Manufacture of sports goods
5,026	5,095	5,022	4,999	4,933	4,967	4,963	4,935	4,963	4,975	4,994	Manufacture of games and toys
43,616	43,845	43,599	43,843	44,459	44,254	44,429	44,148	44,174	43,757	44,231	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
7,324	7,183	7,245	7,256	7,476	7,516	7,560	7,589	7,434	7,478	7,530	Repair and maintenance of transport equipment except motorcycles and bicycles
36,292	36,662	36,354	36,587	36,983	36,739	36,869	36,559	36,740	36,278	36,701	Other industry
2,372,752	2,378,238	2,377,383	2,374,557	2,372,913	2,365,000	2,363,344	2,372,596	2,377,714	2,369,595	2,369,452	Total Manufacturing

Jadual **1.5b** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : Number of Paid Employees of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024				2023	2024	2023	2023	2024	2023	2024
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	(Jan. - Jul.)	(Jan. - Jul.)	Jan.	Feb.	Mac		
101	Pemprosesan dan pengawetan daging	4.9	7.8	6.3	9.5	10.3	7.8	8.1	1.7	9.2	3.9	4.2	4.6	6.3				
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	5.3	3.5	9.1	6.0	5.3	3.5	1.3	1.9	5.7	0.4	4.5	9.1	9.1				
	10201 Pengetinan ikan, krustasea dan moluska																	
	& 10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	6.4	2.2	9.5	6.3	4.8	2.2	-0.5	0.9	7.1	-2.1	4.9	9.7	9.5				
	Industri lain	-0.4	10.7	6.7	4.6	7.5	10.7	11.3	7.3	-1.7	14.6	2.1	6.2	6.7				
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	-2.1	1.7	2.2	6.0	4.0	1.7	2.4	-4.0	3.5	-5.2	-3.3	-0.1	2.2				
	10303 Pengetinan nanas																	
	& 10304 Pembuatan jem, marmalad dan sajian jeli	12.4	-8.1	17.0	5.4	7.4	-8.1	2.7	1.2	9.3	-2.2	7.1	8.6	17.0				
	Industri lain	-3.0	2.3	1.5	6.1	3.8	2.3	2.4	-4.3	3.2	-5.4	-3.9	-0.6	1.5				
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	6.0	6.7	6.9	7.0	8.9	6.7	4.5	5.6	7.1	5.4	6.5	6.7	6.9				
	10404 Pembuatan minyak sayuran mentah dan bertapis																	
	& 10406 Pembuatan sebatian lemak masakan	5.7	10.5	9.9	8.3	16.3	10.5	11.6	12.7	8.0	12.1	8.3	8.1	9.9				
	10405 Pembuatan minyak kelapa	4.9	3.5	3.5	1.3	3.7	3.5	4.4	4.2	0.6	5.1	4.4	3.8	3.5				
	Industri lain	6.0	6.6	6.9	7.2	8.7	6.6	4.1	5.3	7.3	5.1	6.5	6.8	6.9				
105	Pembuatan produk tenusu	1.1	4.2	2.5	-0.1	4.4	4.2	5.8	5.4	0.8	5.0	3.0	3.1	2.5				
	10502 Pembuatan susu pekat, tepung dan sejat	-1.1	1.9	1.3	-0.9	3.2	1.9	5.4	4.3	0.4	3.6	1.5	1.7	1.3				
	Industri lain	7.3	10.1	5.9	2.0	7.7	10.1	7.0	8.5	1.8	8.5	7.2	6.9	5.9				
106	Pembuatan produk bijian, kanji dan produk berkanji	3.6	3.0	4.3	4.3	4.1	3.0	-0.1	-0.5	4.0	-1.3	3.5	5.0	4.3				
	10611 Pengilangan beras	9.5	1.8	8.5	6.8	2.9	1.8	0.3	0.1	6.1	0.1	8.1	9.3	8.5				
	10613 Pengilangan tepung	0.7	6.1	2.8	4.1	7.7	6.1	-0.4	-0.8	3.3	-2.3	0.6	3.5	2.8				
	Industri lain	-9.5	-5.5	-9.4	-7.6	-6.7	-5.5	-1.6	-2.6	-3.8	-3.6	-5.0	-9.0	-9.4				
107	Pembuatan produk makanan lain	5.6	8.9	4.6	5.7	9.8	8.9	7.0	6.1	6.6	6.4	5.0	5.8	4.6				
	10711 Pembuatan biskut dan cookies	1.0	2.8	2.1	0.6	1.6	2.8	-2.2	-0.1	0.1	2.6	2.6	4.1	2.1				
	10712 Pembuatan roti, kek dan produk bakeri lain	3.5	8.0	8.7	9.6	11.5	8.0	5.6	6.8	12.5	5.8	3.3	7.6	8.7				
	10713 Pembuatan produk snek	5.0	8.8	5.3	4.9	7.9	8.8	8.2	7.9	3.3	9.9	4.7	5.6	5.3				
	10721 Pembuatan gula	-1.2	5.3	-0.5	2.7	7.2	5.3	3.9	2.5	2.9	2.1	-0.9	-1.3	-0.5				
	10731 Pembuatan produk koko	-0.5	3.2	-2.2	1.1	-0.5	3.2	1.8	-8.1	0.4	-8.6	-0.9	-0.3	-2.2				
	10732 Pembuatan coklat dan produk coklat																	
	& 10733 Pembuatan konfeksi gula	-2.1	9.8	-0.1	-1.7	3.7	9.8	9.5	7.6	-0.4	7.0	3.3	1.2	-0.1				
	10793 Pembuatan sos dan bahan perasa	15.5	16.4	10.0	8.8	17.7	16.4	16.8	12.8	9.2	15.2	14.2	10.7	10.0				
	10799 Pembuatan produk makanan lain t.t.t.l.	10.7	20.0	-7.4	4.0	16.9	20.0	20.2	13.2	6.1	12.9	3.5	-0.7	-7.4				
	Industri lain	7.3	5.6	7.9	6.7	8.8	5.6	3.1	3.2	6.9	3.1	6.6	8.4	7.9				
108/ 10800	Pembuatan makanan haiwan tersedia	4.6	-12.2	5.3	-1.8	-7.6	-12.2	-10.6	-9.2	-2.6	-8.5	4.2	5.4	5.3				
110	Pembuatan minuman ringan	2.6	2.6	2.9	3.8	2.8	2.6	2.1	2.8	4.6	1.9	2.9	2.7	2.9				
	11041 Pembuatan minuman ringan	3.1	0.9	1.7	2.7	0.9	0.9	1.3	2.1	3.1	1.3	3.2	1.8	1.7				
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-1.8	4.8	4.9	4.8	5.5	4.8	1.2	1.6	6.3	0.9	2.8	5.2	4.9				
	Industri lain	10.6	8.1	5.2	8.2	8.7	8.1	9.3	9.3	10.4	7.8	1.8	2.1	5.2				
120/ 12000	Pembuatan produk tembakau	2.8	2.2	2.4	7.1	6.1	2.2	-8.0	-0.2	5.4	1.5	0.6	0.8	2.4				
131	Pemintalan, penenunan dan penyiapan tekstil	-1.8	1.2	0.5	2.8	2.6	1.2	1.5	4.0	2.0	6.1	0.5	-0.2	0.5				
	13110 Penyediaan dan pemintalan gentian tekstil																	
	& 13120 Penenunan tekstil	-3.6	3.2	1.2	4.2	6.6	3.2	3.7	6.4	5.3	4.6	-0.2	-1.5	1.2				
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3.2	-4.5	-1.6	-0.8	-7.2	-4.5	-3.3	-1.7	-6.1	11.0	3.1	3.3	-1.6				
	Industri lain	-5.0	8.6	3.7	6.9	7.5	8.6	-4.5	0.8	5.3	-0.9	-6.7	-3.2	3.7				
139	Pembuatan tekstil lain	2.5	1.9	3.2	2.4	2.5	1.9	0.1	-1.7	2.6	-2.6	2.9	2.5	3.2				
	13910 Pembuatan fabrik dikait dan dikrusye	-1.9	-4.5	-4.8	-5.1	-6.1	-4.5	-3.8	-1.9	-5.6	-2.0	-2.8	-3.0	-4.8				
	Industri lain	5.6	6.0	8.8	7.4	8.2	6.0	2.4	-1.6	8.1	-2.9	6.9	6.4	8.8				
141	Pembuatan pakaian, kecuali pakaian berbulu	2.6	2.6	1.8	3.1	3.0	2.6	3.5	2.3	3.0	2.7	2.8	1.7	1.8				
	14102 Pembuatan pakaian	2.9	2.6	3.2	2.8	2.3	2.6	4.3	3.6	2.7	4.4	5.3	3.1	3.2				
	Industri lain	1.9	2.6	-1.9	4.0	4.9	2.6	1.3	-1.0	3.9	-1.6	-3.5	-2.0	-1.9				
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	2.6	8.5	6.7	5.4	10.3	8.5	0.9	0.8	4.8	1.0	2.4	5.8	6.7				
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-4.4	-0.6	-0.3	0.8	1.2	-0.6	-5.8	-2.9	0.8	-1.0	-2.5	-1.5	-0.3				
152	Pembuatan kasut	8.8	5.3	9.9	7.6	5.7	5.3	3.3	2.9	8.1	2.5	8.0	7.7	9.9				
	15201 Pembuatan kasut kulit																	
	& 15203 Pembuatan kasut getah	10.3	-0.8	7.4	1.4	-0.02	-0.8	-0.8	1.7	1.2	0.6	8.8	5.5	7.4				
	Industri lain	6.9	12.9	13.0	15.2	12.8	12.9	8.1	4.3	16.5	4.7	7.0	10.3	13.0				
161/ 16100	Pengilangan dan pengetaman kayu	-1.9	-2.6	-1.7	-2.4	-3.6	-2.6	-3.8	-1.8	-3.6	-2.0	-0.7	-0.3	-1.7				

2024																Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
10.0	9.6	9.5	9.2	9.1	10.3	10.8	9.7	7.8	5.9	6.9	8.1	4.0	4.1	1.7	3.9	Processing and preserving of meat
7.4	7.9	6.0	5.7	3.8	5.3	4.8	3.7	3.5	4.5	1.5	1.3	3.2	3.0	1.9	0.4	Processing and preserving of fish, crustaceans and molluscs
7.3	8.1	6.3	7.1	3.4	4.8	4.6	2.7	2.2	3.2	-0.4	-0.5	1.7	1.6	0.9	-2.1	Canning of fish, crustaceans and molluscs
8.1	6.8	4.6	-1.7	6.2	7.5	6.1	9.1	10.7	11.5	11.6	11.3	11.4	11.0	7.3	14.6	Processing, curing and preserving of fish, crustacean and molluscs
																Other industry
3.2	6.2	6.0	3.5	1.8	4.0	4.6	3.4	1.7	1.8	1.5	2.4	1.4	-3.5	-4.0	-5.2	Processing and preserving of fruits and vegetable
																Pineapple canning
9.6	11.4	5.4	9.3	7.8	7.4	8.6	7.5	-8.1	-3.3	5.9	2.7	3.8	-1.0	1.2	-2.2	Manufacture of jams, marmalades and table jellies
2.9	6.0	6.1	3.2	1.5	3.8	4.4	3.2	2.3	2.1	1.2	2.4	1.3	-3.7	-4.3	-5.4	Other industry
6.6	6.8	7.0	7.1	7.5	8.9	9.1	7.4	6.7	5.8	4.4	4.5	5.3	5.5	5.6	5.4	Manufacture of vegetable and animal oils and fats
																Manufacture of crude and refined vegetable oil
9.2	8.0	8.3	8.0	15.4	16.3	16.8	10.2	10.5	8.2	12.0	11.6	14.4	13.7	12.7	12.1	Manufacture of compound cooking fats
1.2	1.3	1.3	0.6	2.3	3.7	3.7	3.4	3.5	4.7	4.9	4.4	4.5	4.5	4.2	5.1	Manufacture of coconut oil
6.6	6.9	7.2	7.3	7.3	8.7	8.9	7.4	6.6	5.7	4.0	4.1	4.9	5.1	5.3	5.1	Other industry
2.5	0.7	-0.1	0.8	2.9	4.4	4.1	4.3	4.2	4.8	4.3	5.8	5.4	7.6	5.4	5.0	Manufacture of dairy products
2.5	-0.3	-0.9	0.4	2.5	3.2	2.8	1.8	1.9	3.6	2.9	5.4	3.6	7.3	4.3	3.6	Manufacture of condensed, powdered and evaporated milk
2.5	3.4	2.0	1.8	4.0	7.7	7.3	10.9	10.1	7.9	8.1	7.0	10.4	8.6	8.5	8.5	Other industry
2.8	4.6	4.3	4.0	1.7	4.1	4.7	3.8	3.0	3.2	-0.6	-0.1	0.2	-0.5	-0.5	-1.3	Manufacture of grain mill products, starches and starch products
5.7	7.4	6.8	6.1	1.1	2.9	3.4	3.6	1.8	2.5	1.1	0.3	1.4	0.6	0.1	0.1	Rice milling
2.4	4.1	4.1	3.3	3.9	7.7	8.4	5.6	6.1	6.1	-1.9	-0.4	-0.3	-1.0	-0.8	-2.3	Flour milling
-10.1	-7.2	-7.6	-3.8	-6.0	-6.7	-6.1	-4.6	-5.5	-7.7	-3.6	-1.6	-3.3	-4.6	-2.6	-3.6	Other industry
6.3	6.6	5.7	6.6	8.4	9.8	10.3	9.9	8.9	8.3	7.2	7.0	6.8	6.8	6.1	6.4	Manufacture of other food products
1.9	2.5	0.6	0.1	0.6	1.6	2.1	1.9	2.8	0.8	-1.8	-2.2	-1.8	-0.5	-0.1	2.6	Manufacture of biscuits and cookies
8.8	8.8	9.6	12.5	10.4	11.5	10.7	9.6	8.0	7.8	7.6	5.6	7.4	7.9	6.8	5.8	Manufacture of bread, cakes and other bakery products
5.4	6.6	4.9	3.3	6.6	7.9	7.5	9.4	8.8	10.4	8.2	8.2	7.6	7.3	7.9	9.9	Manufacture of snack products
1.5	1.9	2.7	2.9	6.0	7.2	8.0	7.5	5.3	5.3	5.5	3.9	3.1	2.3	2.5	2.1	Manufacture of sugar
-2.6	0.0	1.1	0.4	-1.4	-0.5	4.1	4.3	3.2	3.4	2.1	1.8	0.4	-6.7	-8.1	-8.6	Manufacture of cocoa products
																Manufacture of chocolate and chocolate products
1.2	1.5	-1.7	-0.4	3.2	3.7	4.4	10.7	9.8	7.9	9.4	9.5	7.8	8.3	7.6	7.0	Manufacture of sugar confectionery
12.4	8.7	8.8	9.2	15.3	17.7	18.3	18.7	16.4	16.8	16.4	16.8	16.5	16.0	12.8	15.2	Manufacture of sauces and condiments
3.7	5.0	4.0	6.1	15.4	16.9	19.2	18.8	20.0	19.1	20.2	20.2	14.5	13.1	13.2	12.9	Manufacture of other food products n.e.c.
7.7	8.4	6.7	6.9	7.0	8.8	9.4	7.2	5.6	4.5	2.0	3.1	3.5	3.7	3.2	3.1	Other industry
-1.6	-2.3	-1.8	-2.6	-6.3	-7.6	-8.6	-8.1	-12.2	-10.9	-11.2	-10.6	-7.7	-7.6	-9.2	-8.5	Manufacture of prepared animal feeds
2.2	3.0	3.8	4.6	2.5	2.8	3.6	3.5	2.6	2.8	2.0	2.1	2.6	2.5	2.8	1.9	Manufacture of beverages
1.2	1.4	2.7	3.1	0.6	0.9	1.3	1.8	0.9	1.8	0.7	1.3	1.7	1.6	2.1	1.3	Manufacture of soft drinks
5.2	6.1	4.8	6.3	5.3	5.5	6.5	4.7	4.8	2.8	2.8	1.2	1.5	1.7	1.6	0.9	Production of natural mineral waters and other bottled waters
1.6	5.4	8.2	10.4	8.0	8.7	11.0	11.5	8.1	8.1	7.4	9.3	10.3	9.1	9.3	7.8	Other industry
9.3	8.7	7.1	5.4	5.2	6.1	5.8	4.5	2.2	-1.8	-8.5	-8.0	-1.4	-1.6	-0.2	1.5	Manufacture of tobacco products
1.4	2.8	2.8	2.0	3.7	2.6	1.7	1.9	1.2	-0.3	0.2	1.5	2.8	3.9	4.0	6.1	Spinning, weaving and finishing of textiles
																Preparation and spinning of textile fibres
2.6	3.8	4.2	5.3	6.9	6.6	5.2	3.6	3.2	1.4	2.1	3.7	5.7	7.1	6.4	4.6	Weaving of textiles
-1.3	0.5	-0.8	-6.1	-4.2	-7.2	-6.9	-2.8	-4.5	-4.4	-3.9	-3.3	-4.1	-3.5	-1.7	11.0	Dyeing, bleaching, printing and finishing of yarns and fabrics
0.8	1.2	6.9	5.3	7.8	7.5	8.9	8.4	8.6	-1.2	-5.0	-4.5	0.8	1.0	0.8	-0.9	Other industry
3.6	2.8	2.4	2.6	2.9	2.5	2.8	1.4	1.9	2.8	0.8	0.1	-1.0	-1.2	-1.7	-2.6	Manufacture of other textiles
-3.5	-4.7	-5.1	-5.6	-4.9	-6.1	-4.0	-4.6	-4.5	-3.1	-6.4	-3.8	-4.8	-1.8	-1.9	-2.0	Manufacture of knitted and crocheted fabrics
8.5	7.9	7.4	8.1	8.1	8.2	7.3	5.3	6.0	6.5	5.4	2.4	1.3	-0.8	-1.6	-2.9	Other industry
2.7	2.5	3.1	3.0	2.1	3.0	3.0	2.8	2.6	2.9	3.3	3.5	2.8	2.8	2.3	2.7	Manufacture of wearing apparel, except fur
3.7	3.1	2.8	2.7	1.6	2.3	2.8	3.1	2.6	2.8	4.0	4.3	3.9	4.0	3.6	4.4	Manufacture of clothings
0.3	0.8	4.0	3.9	3.7	4.9	3.6	1.9	2.6	3.4	1.4	1.3	0.1	-0.3	-1.0	-1.6	Other industry
5.6	6.0	5.4	4.8	10.3	10.3	6.7	8.7	8.5	6.5	2.8	0.9	3.5	2.6	0.8	1.0	Manufacture of articles of fur, knitted and crocheted apparel
																Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
-2.0	-0.8	0.8	0.8	-0.1	1.2	1.8	1.7	-0.6	-2.8	-4.5	-5.8	-3.3	-3.9	-2.9	-1.0	
8.8	8.1	7.6	8.1	5.5	5.7	7.0	5.6	5.3	3.7	2.5	3.3	3.3	3.6	2.9	2.5	Manufacture of footwear
																Manufacture of leather footwear
5.7	3.3	1.4	1.2	0.4	0.0	0.2	-0.6	-0.8	-1.8	-1.0	-0.8	-0.1	1.8	1.7	0.6	Manufacture of rubber footwear
12.6	14.0	15.2	16.5	11.9	12.8	15.6	13.5	12.9	10.8	6.7	8.1	7.1	5.5	4.3	4.7	Other industry
-3.6	-2.5	-2.4	-3.6	-2.5	-3.6	-2.6	-2.5	-2.6	-5.9	-7.0	-3.8	-1.8	-1.7	-1.8	-2.0	Sawmilling and planning of wood

Jadual 1.5b : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : Number of Paid Employees of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023													
		2022	2023	2023				2024				2023	2024	2023	
				Q1	Q2	Q3	Q4	Q1	Q2			(Jan. - Jul.)	(Jan. - Jul.)	Jan.	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	1.6	1.2	3.0	1.4	1.5	1.2	0.05	2.5	2.2	2.9	1.3	2.7	3.0	
16211	Pembuatan kepingan venier dan papan lapis	1.7	3.1	2.6	1.3	2.3	3.1	1.0	4.3	4.3	4.0	2.4	4.4	2.6	
16212	Pembuatan papan partikel dan papan gentian	-4.9	8.4	-7.7	-4.3	6.6	8.4	10.4	11.5	-4.9	10.5	-8.8	-7.6	-7.7	
16221	Pertukangan kayu untuk jurubina	-3.4	-10.9	6.5	4.1	-4.0	-10.9	-9.5	-11.3	3.2	-9.5	-2.3	-1.1	6.5	
	Industri lain	9.3	2.3	7.1	2.6	0.5	2.3	0.0	4.1	-0.5	5.8	6.7	7.0	7.1	
170	Pembuatan kertas dan produk kertas	4.3	1.0	4.1	1.8	1.7	1.0	0.9	0.7	0.6	1.2	4.0	4.2	4.1	
17010	Pembuatan pulpa, kertas dan kertas tebal	5.3	-2.4	7.1	-3.2	-3.0	-2.4	-0.4	3.3	-3.6	3.9	5.2	7.9	7.1	
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	6.9	-1.4	5.4	3.6	0.5	-1.4	-2.0	-2.6	2.1	-2.6	6.5	5.6	5.4	
17091	Pembuatan sampul surat dan kad surat	-0.3	4.1	4.4	1.7	0.1	4.1	-4.1	-5.3	2.3	-5.2	-0.1	3.9	4.4	
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-1.4	5.1	-1.7	-1.6	4.5	5.1	6.0	3.5	-3.8	3.4	-1.3	-1.4	-1.7	
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	4.0	0.0	4.3	4.4	2.0	0.0	0.2	0.8	4.1	1.8	3.8	3.9	4.3	
	Industri lain	6.0	9.8	5.0	5.5	8.2	9.8	8.1	7.2	4.6	9.8	4.1	4.8	5.0	
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	4.0	1.7	3.9	4.6	5.3	1.7	-2.8	-1.3	4.8	-1.2	4.1	3.8	3.9	
18110	Percetakan	4.7	2.3	4.5	5.5	6.3	2.3	-2.5	-2.4	5.6	-2.3	4.8	4.3	4.5	
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan	0.9	-1.2	1.4	0.7	1.0	-1.2	-3.7	3.5	1.3	3.8	1.2	1.5	1.4	
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	4.2	3.7	4.3	5.1	3.1	3.7	1.8	1.0	3.2	1.1	4.4	4.1	4.3	
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	1.8	0.3	3.5	3.1	0.1	0.3	-0.7	0.9	-1.1	4.7	2.8	3.1	3.5	
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	5.6	9.1	13.2	9.0	10.0	9.1	8.0	12.7	8.5	13.5	5.7	7.2	13.2	
20112 & 20113	Pembuatan kimia organik asas	8.5	-1.9	9.4	7.6	2.5	-1.9	-2.4	-0.9	1.8	4.0	8.9	9.6	9.4	
20121 & 20129	Pembuatan sebatian bukan organik	-16.2	-5.9	-12.5	-8.6	-16.7	-5.9	-11.4	-8.2	-15.6	-0.9	-14.2	-13.9	-12.5	
20131	Pembuatan baja	1.2	2.1	0.2	1.0	2.4	2.1	3.8	3.0	0.3	3.4	3.2	2.2	0.2	
	Pembuatan produk campuran nitrogen	13.0	6.6	14.1	5.7	6.9	6.6	4.7	4.8	0.7	10.2	13.3	14.8	14.1	
202 & 203	Pembuatan plastik dalam bentuk primer	13.0	6.6	14.1	5.7	6.9	6.6	4.7	4.8	0.7	10.2	13.3	14.8	14.1	
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	4.3	-2.6	1.2	0.1	0.2	-2.6	-3.0	-0.2	1.4	-2.6	3.6	4.3	1.2	
20210	Pembuatan racun perosak dan produk agrokimia lain	-0.3	13.8	7.5	6.2	14.9	13.8	9.0	13.0	6.3	12.7	1.2	6.0	7.5	
20221	Pembuatan cat, varnis dan penyadur dan mastik	-0.3	1.4	-11.2	4.0	2.7	1.4	1.7	0.6	4.1	0.0	0.1	-1.2	-11.2	
20222	Pembuatan dakwat cetak	15.2	4.7	3.6	6.0	4.0	4.7	1.7	1.9	6.6	-6.1	16.7	16.8	3.6	
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilap	5.7	-7.7	4.4	-5.0	-5.3	-7.7	-6.7	1.0	-3.8	-2.0	2.5	4.3	4.4	
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	3.3	-4.0	3.4	1.0	2.0	-4.0	-5.0	-5.5	3.9	-6.7	4.1	3.5	3.4	
20299	Pembuatan dakwat menulis dan melukis	3.3	-4.0	3.4	1.0	2.0	-4.0	-5.0	-5.5	3.9	-6.7	4.1	3.5	3.4	
	Pembuatan produk kimia lain t.t.t.l.	-11.4	-32.2	-4.0	-6.1	-36.1	-32.2	-36.1	-36.9	-7.3	-37.1	-14.9	-7.3	-4.0	
210	Industri lain	-11.4	-32.2	-4.0	-6.1	-36.1	-32.2	-36.1	-36.9	-7.3	-37.1	-14.9	-7.3	-4.0	
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	8.9	2.3	8.5	-0.3	1.6	2.3	1.6	0.5	0.2	0.4	8.6	8.5	8.5	
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	7.0	1.1	6.1	0.1	1.5	1.1	-0.03	-1.4	-0.6	-0.8	6.5	5.7	6.1	
	Industri lain	13.8	5.4	14.4	-1.2	2.0	5.4	5.4	5.0	2.2	3.1	13.6	15.3	14.4	
221	Pembuatan produk getah	-0.2	-4.0	-2.7	-9.2	-6.0	-4.0	-5.0	-3.5	-8.3	-3.4	-3.7	-3.1	-2.7	
22111	Pembuatan tayar getah untuk kenderaan	-6.1	2.6	-6.3	-6.3	3.0	2.6	0.3	-4.5	13.6	-11.6	-7.3	-7.1	-6.3	
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	3.6	12.0	12.2	14.2	14.0	12.0	9.7	9.2	15.3	9.3	3.5	10.7	12.2	
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	5.8	4.4	12.5	13.2	7.0	4.4	1.2	0.1	15.6	-3.9	7.2	11.7	12.5	
22193	Pengilangan semula getah dan prosesan susu getah	5.8	4.4	12.5	13.2	7.0	4.4	1.2	0.1	15.6	-3.9	7.2	11.7	12.5	
22192	Pembuatan sarung tangan getah	-1.1	-9.0	-8.5	-18.7	-14.0	-9.0	-8.5	-5.9	-19.3	-4.0	-8.6	-8.6	-8.5	
22199	Pembuatan produk getah lain yang t.t.t.l.	-0.4	-1.5	0.9	-3.2	0.1	-1.5	-4.3	-2.1	-4.3	-1.0	0.6	0.2	0.9	
222	Pembuatan produk plastik	3.3	3.3	2.5	2.6	2.9	3.3	2.6	3.1	4.0	3.1	4.7	5.8	2.5	
22201 & 22202	Pembuatan produk plastik separa siap	11.4	1.6	3.8	2.4	2.7	1.6	1.2	0.3	1.6	0.7	12.4	13.5	3.8	
22202	Pembuatan produk plastik siap	11.4	1.6	3.8	2.4	2.7	1.6	1.2	0.3	1.6	0.7	12.4	13.5	3.8	
22203	Pembuatan artikel plastik untuk pembungkusan barangan	4.0	5.8	4.3	4.7	6.5	5.8	4.7	4.0	6.7	1.9	5.8	7.9	4.3	
22204	Pembuatan barangan plastik jurubina	9.3	0.3	2.6	3.7	3.1	0.3	0.01	1.7	2.7	1.1	9.7	10.6	2.6	
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	9.4	0.7	-1.4	-5.4	-6.2	0.7	-0.2	0.7	-9.5	4.9	-2.8	-1.5	-1.4	
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-4.1	3.0	1.0	3.1	2.2	3.0	2.4	5.0	7.3	5.5	0.6	0.9	1.0	
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	11.3	-1.0	11.3	5.5	2.6	-1.0	0.3	5.9	-0.4	7.4	10.2	11.5	11.3	

2024																Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
3.5	1.8	1.4	2.2	2.2	1.5	2.0	2.2	1.2	0.6	-0.3	0.05	1.5	1.1	2.5	2.9	Manufacture of products of wood, cork, straw and plaiting materials
2.7	1.2	1.3	4.3	3.5	2.3	2.7	3.2	3.1	2.3	1.5	1.0	2.6	1.7	4.3	4.0	Manufacture of veneer sheets and plywood
-8.2	-4.5	-4.3	-4.9	8.1	6.6	5.5	7.2	8.4	10.3	10.8	10.4	12.0	11.6	11.5	10.5	Manufacture of particle board and fibreboard
9.1	5.3	4.1	3.2	-3.3	-4.0	-3.0	-5.4	-10.9	-11.2	-13.0	-9.5	-10.9	-11.0	-11.3	-9.5	Manufacture of builders' carpentry
8.0	4.0	2.6	-0.5	-0.3	0.5	1.9	2.5	2.3	0.8	-0.1	0.0	3.6	4.1	4.1	5.8	Other industry
3.9	2.2	1.8	0.6	1.6	1.7	1.8	1.1	1.0	1.0	0.8	0.9	0.8	0.5	0.7	1.2	Manufacture of paper and paper products
7.2	-2.8	-3.2	-3.6	-0.4	-3.0	-3.6	-4.8	-2.4	0.7	-0.5	-0.4	-0.8	3.5	3.3	3.9	Manufacture of pulp, paper and paperboard
4.3	4.0	3.6	2.1	0.4	0.5	-0.01	-0.7	-1.4	-1.8	-2.1	-2.0	-2.2	-2.6	-2.6	-2.6	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
5.1	3.1	1.7	2.3	1.9	0.1	1.3	7.4	4.1	1.3	-1.6	-4.1	-4.2	-5.4	-5.3	-5.2	Manufacture of envelopes and letter-card
-1.6	-0.4	-1.6	-3.8	2.4	4.5	5.8	5.4	5.1	4.5	5.5	6.0	6.2	2.0	3.5	3.4	Manufacture of household and personal hygiene paper
5.7	3.3	4.4	4.1	1.8	2.0	2.7	0.3	0.0	0.1	0.1	0.2	0.3	0.6	0.8	1.8	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
5.0	5.8	5.5	4.6	8.1	8.2	9.4	9.5	9.8	7.9	7.7	8.1	7.7	8.1	7.2	9.8	Other industry
6.4	7.0	4.6	4.8	5.4	5.3	2.8	1.5	1.7	-2.4	-1.9	-2.8	-2.4	-3.3	-1.3	-1.2	Printing, service activities related to printing and reproduction of recorded media
7.6	8.2	5.5	5.6	6.1	6.3	3.1	1.9	2.3	-2.2	-1.5	-2.5	-3.1	-4.5	-2.4	-2.3	Printing
1.2	1.4	0.7	1.3	2.2	1.0	1.2	-0.2	-1.2	-3.5	-3.4	-3.7	0.7	2.2	3.5	3.8	Service activities related to printing
																Reproduction of recorded media
5.9	5.4	5.1	3.2	3.8	3.1	4.3	4.4	3.7	2.6	2.9	1.8	1.6	0.7	1.0	1.1	Manufacture of refined petroleum products
2.2	2.7	3.1	-1.1	0.4	0.1	0.2	1.2	0.3	-0.2	-0.6	-0.7	3.3	1.8	0.9	4.7	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
6.7	10.8	9.0	8.5	9.8	10.0	9.4	9.6	9.1	9.3	9.0	8.0	14.7	11.8	12.7	13.5	Manufacture of liquefied or compressed inorganic industrial or medical gases
																Manufacture of basic organic chemicals
6.2	6.5	7.6	1.8	3.0	2.5	2.8	-0.7	-1.9	-2.3	-2.4	-2.4	2.0	0.6	-0.9	4.0	Manufacture of inorganic compounds
																Manufacture of fertilizers
-8.7	-8.7	-8.6	-15.6	-15.4	-16.7	-17.1	-5.1	-5.9	-7.0	-10.7	-11.4	-4.6	-8.0	-8.2	-0.9	Manufacture of associated nitrogen products
0.3	0.5	1.0	0.3	2.3	2.4	2.2	3.0	2.1	1.5	3.4	3.8	4.4	4.4	3.0	3.4	Manufacture of plastics in primary forms
8.4	5.2	5.7	0.7	5.7	6.9	8.9	7.0	6.6	6.1	3.9	4.7	6.1	4.3	4.8	10.2	Other industry
2.9	0.8	0.1	1.4	1.4	0.2	0.2	-1.5	-2.6	-2.8	-2.1	-3.0	-1.9	-0.8	-0.2	-2.6	Manufacture of other chemical products and man-made fibres
7.2	8.2	6.2	6.3	17.0	14.9	18.0	13.2	13.8	13.1	10.5	9.0	10.9	11.1	13.0	12.7	Manufacture of pesticides and other agrochemical products
3.2	4.0	4.0	4.1	4.4	2.7	2.9	2.3	1.4	0.1	5.1	1.7	1.0	0.4	0.6	0.0	Manufacture of paints, varnishes and similar coatings ink and mastics
4.4	4.1	6.0	6.6	5.5	4.0	4.5	4.9	4.7	4.0	3.9	1.7	2.3	1.8	1.9	-6.1	Manufacture of printing ink
3.1	-3.9	-5.0	-3.8	-3.5	-5.3	-6.0	-7.4	-7.7	-7.5	-7.1	-6.7	-3.8	0.1	1.0	-2.0	Manufacture of soap and detergents, cleaning and polishing preparations
																Manufacture of perfumes and toilet preparations
																Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
1.2	2.2	1.0	3.9	1.9	2.0	2.3	-0.8	-4.0	-4.2	-4.2	-5.0	-5.1	-5.7	-5.5	-6.7	Manufacture of writing and drawing ink
																Manufacture of other chemical products n.e.c.
-3.9	-4.1	-6.1	-7.3	-30.4	-36.1	-40.7	-35.1	-32.2	-31.0	-35.6	-36.1	-36.9	-37.1	-36.9	-37.1	Other industry
1.3	0.6	-0.3	0.2	1.7	1.6	1.9	2.2	2.3	1.9	1.4	1.6	0.6	0.3	0.5	0.4	Manufacture of pharmaceuticals, medicinal chemical and botanical products
3.4	1.1	0.1	-0.6	1.4	1.5	0.8	0.8	1.1	1.0	0.6	-0.03	-2.5	-2.3	-1.4	-0.8	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
-3.8	-0.6	-1.2	2.2	2.4	2.0	4.8	5.5	5.4	3.8	3.5	5.4	8.6	6.6	5.0	3.1	Other industry
-7.6	-8.7	-9.2	-8.3	-6.3	-6.0	-4.8	-3.8	-4.0	-3.6	-4.1	-5.0	-5.2	-4.1	-3.5	-3.4	Manufacture of rubber products
-6.1	-6.4	-6.3	13.6	2.7	3.0	2.3	2.5	2.6	2.8	1.1	0.3	-5.1	-5.4	-4.5	-11.6	Manufacture of rubber tyres for vehicles
6.4	9.1	14.2	15.3	13.9	14.0	14.7	15.2	12.0	12.0	9.5	9.7	9.6	10.4	9.2	9.3	Manufacture of interchangeable tyre treads and retreading rubber tyres
																Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
9.4	10.7	13.2	15.6	8.6	7.0	6.7	4.2	4.4	3.8	1.4	1.2	0.2	-0.5	0.1	-3.9	Rubber remilling and latex processing
-14.7	-16.3	-18.7	-19.3	-14.4	-14.0	-12.1	-9.4	-9.0	-7.6	-6.9	-8.5	-8.7	-7.4	-5.9	-4.0	Manufacture of rubber gloves
-3.1	-4.9	-3.2	-4.3	-0.7	0.1	0.9	-0.1	-1.5	-2.7	-4.1	-4.3	-3.2	-1.2	-2.1	-1.0	Manufacture of other rubber products n.e.c.
2.4	3.0	2.6	4.0	2.8	2.9	3.2	3.5	3.3	3.3	2.5	2.6	3.1	3.4	3.1	3.1	Manufacture of plastics products
																Manufacture of semi-manufactures of plastic products
4.7	5.5	2.4	1.6	2.1	2.7	3.0	1.8	1.6	1.5	1.6	1.2	0.5	1.0	0.3	0.7	Manufacture of finished plastic products
4.4	5.1	4.7	6.7	6.1	6.5	5.8	5.8	5.8	6.1	4.6	4.7	4.8	4.7	4.0	1.9	Manufacture of plastic articles for the packing of goods
1.5	3.7	3.7	2.7	2.9	3.1	1.2	1.1	0.3	0.7	-0.4	0.01	1.7	1.6	1.7	1.1	Manufacture of builders' plastics ware
-4.9	-4.8	-5.4	-9.5	-3.5	-6.2	-2.6	-1.3	0.7	1.3	-0.2	-0.2	0.8	0.1	0.7	4.9	Manufacture of plastic tableware, kitchenware and toilet articles
1.2	1.6	3.1	7.3	2.1	2.2	2.7	3.8	3.0	2.6	2.2	2.4	4.0	4.8	5.0	5.5	Manufacture of diverse plastic products n.e.c.
11.5	6.2	5.5	-0.4	1.5	2.6	1.9	-0.3	-1.0	-1.0	-0.6	0.3	1.2	4.4	5.9	7.4	Manufacture of glass and glass products

Jadual **1.5b** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
 Table : Number of Paid Employees of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh		2022	2023	2023				2024		2023	2024	2023		
					Q1	Q2	Q3	Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	Jan.	Feb.	Mac
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.		-0.5	2.5	-2.0	0.04	2.1	2.5	0.1	-1.4	1.02	-1.3	-1.0	-1.5	-2.0
23911 & 23921	Pembuatan mortar refraktori dan konkrit		-6.6	-8.1	-6.4	-5.2	-4.0	-8.1	-9.3	-11.9	-7.4	-10.5	-5.3	-4.7	-6.4
23930	Pembuatan produk porselin dan seramik lain		2.9	-14.9	-12.6	-11.8	-14.2	-14.9	-1.5	-5.0	-12.6	-4.2	1.4	-13.3	-12.6
23941	Pembuatan simen hidroauk		-4.7	1.0	-6.6	-9.9	0.7	1.0	0.02	-0.1	-6.8	1.0	-3.6	-3.7	-6.6
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering		4.3	1.5	1.7	-0.8	1.8	1.5	2.2	3.3	2.6	2.1	4.4	3.4	1.7
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.		-0.9	4.1	0.7	6.2	5.1	4.1	-4.8	-6.6	5.3	-6.9	-1.2	0.1	0.7
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.		0.8	12.4	-5.1	0.3	6.6	12.4	13.6	9.3	5.6	9.5	-4.1	-4.4	-5.1
	Industri lain		1.0	14.8	1.8	2.5	6.7	14.8	13.3	11.8	4.2	12.0	-0.5	0.3	1.8
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas		0.4	5.3	1.7	1.6	4.9	5.3	7.0	5.9	1.3	5.8	1.8	1.0	1.7
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain		1.6	-5.9	-0.4	-0.3	-4.8	-5.9	-7.1	-5.0	-0.9	-6.2	0.7	0.4	-0.4
243	Pengacuan logam		-2.8	1.6	-2.4	0.1	1.8	1.6	-0.7	-0.6	-0.6	3.6	-3.2	-2.0	-2.4
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru		0.8	1.4	1.1	1.3	2.2	1.4	1.7	4.4	1.4	4.5	0.3	1.3	1.1
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam		-0.2	4.6	-0.9	0.2	6.0	4.6	5.2	8.6	1.6	7.7	-1.3	-0.3	-0.9
25120	Pembuatan produk struktur logam lain		4.6	-8.3	6.2	3.4	-8.7	-8.3	-7.5	-4.4	1.6	-3.4	5.2	5.5	6.2
	Pembuatan tangki, takungan dan kontena daripada logam		4.6	-8.3	6.2	3.4	-8.7	-8.3	-7.5	-4.4	1.6	-3.4	5.2	5.5	6.2
	Industri lain		0.5	-0.7	4.3	3.6	-0.5	-0.7	-2.2	-3.2	0.2	-0.2	1.7	3.9	4.3
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam		2.2	5.4	2.1	2.2	5.2	5.4	4.6	5.0	3.1	4.6	2.8	3.3	2.1
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi		1.5	-0.3	-1.1	-5.8	-2.0	-0.3	-0.8	2.0	-1.9	2.1	1.2	-1.4	-1.1
25920	Rawatan dan penyalutan logam; menggunakan mesin		5.8	-9.7	4.8	6.8	-6.9	-9.7	-11.4	-13.4	3.8	-13.7	6.1	6.2	4.8
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat		-1.9	6.1	0.5	-1.6	7.5	6.1	8.2	11.1	-1.2	11.4	-0.3	0.6	0.5
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam		0.3	8.3	1.8	3.2	6.6	8.3	9.7	8.2	4.7	4.4	2.2	3.0	1.8
25994	Pembuatan bolt, skru, nat dan produk uliran seumpamanya		0.3	8.3	1.8	3.2	6.6	8.3	9.7	8.2	4.7	4.4	2.2	3.0	1.8
25999	Pembuatan barangan rumah daripada logam		-0.8	14.1	1.8	5.2	11.8	14.1	5.5	-1.3	11.5	-1.8	1.6	0.6	1.8
	Pembuatan produk lain yang direka daripada logam t.t.t.l.		5.4	7.9	3.5	5.2	10.1	7.9	7.3	8.0	5.1	8.7	5.3	8.2	3.5
	Industri lain		-0.3	21.8	3.8	7.1	18.7	21.8	17.8	17.4	6.6	18.8	0.5	3.3	3.8
261	Pembuatan komponen dan papan elektronik		7.4	1.9	6.5	7.1	4.8	1.9	-2.5	-2.9	4.0	-3.7	6.9	7.2	6.5
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya		6.7	0.9	5.1	4.1	2.2	0.9	-2.2	-2.4	1.7	-4.2	5.9	6.1	5.1
26103 & 26104	Pembuatan litar elektronik bersepadu dengan pemasangan mikro		9.3	3.0	9.5	12.1	8.4	3.0	-3.7	-3.7	7.5	-3.6	9.5	10.0	9.5
26105	Pembuatan kapasitor dan perintang elektrik		9.3	3.0	9.5	12.1	8.4	3.0	-3.7	-3.7	7.5	-3.6	9.5	10.0	9.5
26109	Pembuatan papan litar bercetak		1.1	3.0	0.2	2.8	4.7	3.0	2.7	-2.1	2.9	-1.1	0.3	0.4	0.2
262 (26201 & 26202)	Pembuatan komponen paparan		1.1	3.0	0.2	2.8	4.7	3.0	2.7	-2.1	2.9	-1.1	0.3	0.4	0.2
262	Pembuatan komponen lain untuk aplikasi elektronik		1.1	3.0	0.2	2.8	4.7	3.0	2.7	-2.1	2.9	-1.1	0.3	0.4	0.2
263/ 26300	Pembuatan komputer dan kelengkapan peranti		5.8	-3.2	0.3	-1.1	-2.4	-3.2	1.7	3.5	-1.7	3.6	0.5	0.5	0.3
264/ 26400	Pembuatan peralatan komunikasi		7.8	0.3	6.6	4.7	-0.6	0.3	0.6	0.4	-2.5	5.8	8.6	6.7	6.6
264/ 26400	Pembuatan peralatan elektronik pengguna		3.9	3.4	0.9	-2.8	5.7	3.4	4.4	4.6	-5.2	6.2	0.8	0.6	0.9
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam		8.2	-0.1	8.5	7.5	2.0	-0.1	-0.4	3.7	4.4	2.6	7.4	9.2	8.5
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan		8.8	0.2	10.0	10.8	3.1	0.2	-0.4	3.0	6.9	1.6	8.2	10.4	10.0
26520	Pembuatan kelengkapan kawalan proses perindustrian		8.8	0.2	10.0	10.8	3.1	0.2	-0.4	3.0	6.9	1.6	8.2	10.4	10.0
	Pembuatan jam tangan dan jam dan bahagiannya		6.0	-1.1	3.4	-3.1	-1.5	-1.1	-0.5	6.1	-3.6	6.4	4.9	5.1	3.4
266/ 26600	Pembuatan jam tangan dan jam dan bahagiannya		6.0	-1.1	3.4	-3.1	-1.5	-1.1	-0.5	6.1	-3.6	6.4	4.9	5.1	3.4
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik		1.5	-3.1	1.8	1.4	-2.1	-3.1	-6.3	-6.5	-7.8	-2.3	2.2	1.5	1.8
26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik		1.5	-3.1	1.8	1.4	-2.1	-3.1	-6.3	-6.5	-7.8	-2.3	2.2	1.5	1.8

2024																Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
-2.0	-0.5	0.0	1.0	1.9	2.1	1.8	2.5	2.5	-0.5	0.2	0.1	0.3	-0.8	-1.4	-1.3	Manufacture of non-metallic mineral products
																Manufacture of refractory mortars and concretes
-5.9	-6.1	-5.2	-7.4	-4.3	-4.0	-5.8	-8.6	-8.1	-8.6	-8.8	-9.3	-9.4	-11.2	-11.9	-10.5	Manufacture of non-refractory ceramic
-12.8	-11.1	-11.8	-12.6	-11.1	-14.2	-15.1	-13.6	-14.9	-16.5	-3.0	-1.5	-1.7	-5.3	-5.0	-4.2	Manufacture of other porcelain and ceramic products
-9.6	-9.7	-9.9	-6.8	1.4	0.7	0.4	0.5	1.0	0.4	0.1	0.02	0.4	-0.02	-0.1	1.0	Manufacture of hydraulic cement
-2.7	-0.3	-0.8	2.6	0.0	1.8	0.7	1.3	1.5	0.7	0.3	2.2	2.3	2.2	3.3	2.1	Manufacture of ready-mix and dry-mix concrete and mortars
																Manufacture of precast concrete, cement or artificial stone articles for use in construction
3.5	5.2	6.2	5.3	5.5	5.1	4.0	5.0	4.1	-3.9	-3.8	-4.8	-4.1	-6.0	-6.6	-6.9	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
																Manufacture of other articles of concrete, cement and plaster n.e.c.
-3.7	-0.1	0.3	5.6	4.0	6.6	12.4	12.9	12.4	15.0	14.0	13.6	12.1	12.9	9.3	9.5	Manufacture of other non-metallic mineral products n.e.c.
0.5	1.1	2.5	4.2	6.4	6.7	6.2	12.6	14.8	13.3	13.4	13.3	13.7	13.3	11.8	12.0	Other industry
1.3	2.1	1.6	1.3	2.9	4.9	4.3	5.1	5.3	5.4	7.5	7.0	6.8	5.9	5.9	5.8	Manufacture of basic iron and steel
-1.6	-0.7	-0.3	-0.9	-4.0	-4.8	-4.4	-5.7	-5.9	-5.3	-8.1	-7.1	-6.9	-6.9	-5.0	-6.2	Manufacture of basic precious and other non-ferrous metals
1.6	1.4	0.1	-0.6	2.2	1.8	2.0	1.5	1.6	0.7	-0.7	-0.7	1.7	2.4	-0.6	3.6	Casting of metals
0.5	1.2	1.3	1.4	2.6	2.2	1.8	1.7	1.4	2.0	1.2	1.7	3.1	1.5	4.4	4.5	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
																Manufacture of metal doors, windows and their frames, shutters and gates
-0.9	-0.2	0.2	1.6	7.5	6.0	5.8	4.9	4.6	5.0	4.2	5.2	6.7	4.4	8.6	7.7	Manufacture of other structural metal products
2.3	3.2	3.4	1.6	-9.3	-8.7	-9.6	-7.7	-8.3	-6.5	-6.9	-7.5	-4.7	-5.0	-4.4	-3.4	Manufacture of tanks, reservoirs and containers of metal
4.5	5.3	3.6	0.2	-4.2	-0.5	-1.1	-0.2	-0.7	-0.9	-1.9	-2.2	-3.7	-3.6	-3.2	-0.2	Other industry
2.2	2.7	2.2	3.1	4.7	5.2	5.5	5.0	5.4	5.4	4.3	4.6	5.3	5.4	5.0	4.6	Manufacture of other fabricated metal products; metal working service activities
-3.7	-4.5	-5.8	-1.9	-0.8	-2.0	-0.8	-0.1	-0.3	-1.1	-1.7	-0.8	1.9	2.1	2.0	2.1	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
6.1	6.5	6.8	3.8	-5.5	-6.9	-7.6	-7.1	-9.7	-9.0	-11.8	-11.4	-11.4	-12.2	-13.4	-13.7	Treatment and coating of metals; machining
-4.9	-1.9	-1.6	-1.2	6.7	7.5	8.8	5.7	6.1	7.5	5.5	8.2	12.1	12.4	11.1	11.4	Manufacture of tins and cans for food products, collapsible tubes and boxes
																Manufacture of metal cable, plaited bands and similar articles
3.5	4.1	3.2	4.7	4.2	6.6	5.9	3.9	8.3	9.4	8.4	9.7	8.7	8.6	8.2	4.4	Manufacture of bolts, screws, nuts and similar threaded products
6.4	4.3	5.2	11.5	9.8	11.8	13.5	13.9	14.1	11.6	11.8	5.5	3.1	3.7	-1.3	-1.8	Manufacture of metal household articles
5.4	5.9	5.2	5.1	9.6	10.1	10.5	8.3	7.9	7.8	5.9	7.3	7.8	8.1	8.0	8.7	Manufacture of any other fabricated metal products n.e.c.
4.6	6.8	7.1	6.6	15.8	18.7	19.1	22.2	21.8	20.9	21.6	17.8	16.0	16.1	17.4	18.8	Other industry
7.7	8.1	7.1	4.0	4.5	4.8	4.6	3.1	1.9	1.2	-1.6	-2.5	-3.1	-3.1	-2.9	-3.7	Manufacture of electronic components and boards
																Manufacture of diodes, transistors and similar semiconductor devices
7.7	5.9	4.1	1.7	2.3	2.2	2.4	2.2	0.9	1.1	-1.5	-2.2	-4.3	-2.9	-2.4	-4.2	Manufacture of electronic integrated circuits micro assemblies
																Manufacture of electrical capacitors and resistors
9.1	12.4	12.1	7.5	8.0	8.4	7.6	4.5	3.0	1.1	-2.5	-3.7	-2.3	-3.5	-3.7	-3.6	Manufacture of printed circuit boards
																Manufacture of display components
-1.4	1.5	2.8	2.9	3.1	4.7	4.9	2.5	3.0	3.4	3.5	2.7	2.4	-2.1	-2.1	-1.1	Manufacture of other components for electronic applications
0.2	-0.3	-1.1	-1.7	-4.4	-2.4	-2.0	-3.7	-3.2	1.2	1.3	1.7	1.9	2.2	3.5	3.6	Manufacture of computers and peripheral equipment
6.7	5.9	4.7	-2.5	0.2	-0.6	1.2	1.1	0.3	0.2	0.3	0.6	0.8	1.0	0.4	5.8	Manufacture of communication equipment
-2.8	-2.1	-2.8	-5.2	-4.1	5.7	3.9	3.2	3.4	3.6	4.0	4.4	4.5	5.0	4.6	6.2	Manufacture of consumer electronics
8.6	9.5	7.5	4.4	0.3	2.0	1.2	0.1	-0.1	0.2	-0.7	-0.4	-0.1	0.8	3.7	2.6	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
																Manufacture of measuring, testing, navigating and control equipment
10.1	12.1	10.8	6.9	2.0	3.1	2.0	0.3	0.2	0.3	-0.6	-0.4	-0.02	0.3	3.0	1.6	Manufacture of industrial process control equipment
3.6	0.9	-3.1	-3.6	-5.3	-1.5	-1.6	-0.6	-1.1	-0.04	-0.8	-0.5	-0.5	2.7	6.1	6.4	Manufacture of watches and clocks and parts
2.2	2.1	1.4	-7.8	-5.2	-2.1	-3.1	-3.4	-3.1	-6.6	-5.9	-6.3	-6.2	-6.6	-6.5	-2.3	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual
Table

1.5b : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
: Number of Paid Employees of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2023	2024	2023		
				Q1	Q2	Q3	Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	Jan.	Feb.	Mac
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	-1.4	1.7	6.0	-1.4	3.9	1.7	-2.1	-1.9	-1.0	-3.4	7.5	5.0	6.0
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	2.8	-1.6	3.2	2.4	0.8	-1.6	-3.5	-1.3	2.4	1.1	2.7	2.6	3.2
	27101 Pembuatan motor elektrik, penjana dan transformer	-2.3	0.7	-1.0	-2.1	1.3	0.7	-0.5	3.9	-0.7	3.6	-1.3	-1.3	-1.0
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	6.8	-3.2	6.6	5.9	0.5	-3.2	-5.7	-5.0	4.8	-0.7	5.8	5.7	6.6
272/ 27200	Pembuatan bateri dan akumulator	8.3	-0.2	1.6	3.3	1.0	-0.2	1.8	1.2	4.1	0.5	8.2	1.4	1.6
273	Pembuatan pendawaian dan peranti pendawaian	-0.4	-2.3	1.6	-3.2	-1.1	-2.3	-1.3	0.8	-2.6	0.7	-0.6	2.7	1.6
	27310 Pembuatan kabel gentian optikal	4.4	4.6	1.3	1.0	-6.2	4.6	2.0	5.0	-3.9	4.7	5.9	6.3	1.3
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	1.2	-3.9	3.2	-2.5	-0.2	-3.9	-2.1	0.2	-1.3	0.1	0.6	4.3	3.2
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-23.7	19.5	-17.8	-14.5	-9.5	19.5	7.7	6.7	-17.8	6.6	-18.6	-18.6	-17.8
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-1.0	7.6	-0.5	-6.2	-3.4	7.6	10.6	12.9	-6.8	11.2	-2.8	-4.8	-0.5
275/ 27500	Pembuatan perkakasan domestik	-3.1	-0.5	-1.2	1.2	0.4	-0.5	-0.8	-3.6	1.2	-3.8	-3.2	-2.4	-1.2
279/ 27900	Pembuatan kelengkapan elektrik lain	3.1	-1.4	1.9	-1.1	1.3	-1.4	-3.1	-1.8	-0.6	-3.3	3.6	3.8	1.9
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3.6	-2.4	3.8	2.3	-0.1	-2.4	-2.2	-2.3	0.4	0.4	3.4	3.2	3.8
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	-1.0	-15.9	2.1	5.5	-2.2	-15.9	-24.7	-26.4	4.1	-25.1	3.3	3.5	2.1
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	-2.1	3.0	0.7	2.3	1.7	3.0	0.2	1.6	2.5	2.4	-2.0	-1.9	0.7
	28192 Pembuatan jentera pembentukan logam dan alatan mesin													
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	15.3	-12.5	9.4	6.7	-6.3	-12.5	-12.7	-12.4	-5.4	-4.4	11.6	11.7	9.4
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l.	-2.8	-9.4	-3.9	-1.2	-9.0	-9.4	-10.4	-12.0	-0.6	-12.1	-3.4	-3.3	-3.9
	Industri lain	6.3	0.8	6.1	1.7	2.5	0.8	4.5	3.9	0.1	7.3	5.9	5.4	6.1
291 (29101 & 29102)	Pembuatan kenderaan bermotor	4.5	1.3	0.4	0.6	2.2	1.3	0.8	-0.7	1.0	-1.1	4.0	0.7	0.4
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	12.8	18.8	13.5	10.2	21.7	18.8	10.8	7.4	12.6	7.1	13.0	13.6	13.5
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	2.1	-1.7	1.9	0.8	-1.5	-1.7	-5.6	-0.5	1.3	-0.01	1.5	1.7	1.9
301 (30110 & 30120)	Pembinaan kapal dan bot	8.5	9.5	7.2	8.4	10.0	9.5	6.7	3.7	8.1	0.8	9.6	10.1	7.2
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	2.6	-1.5	-0.1	-1.1	-3.4	-1.5	-2.0	1.0	0.2	2.8	0.7	-0.2	-0.1
	30910 Pembuatan motosikal	3.4	10.0	4.6	3.3	9.2	10.0	5.4	9.6	11.6	10.1	3.7	3.8	4.6
	30920 Pembuatan basikal dan invalid carriages	7.5	-54.4	-5.5	-14.2	-51.0	-54.4	-54.2	-47.0	-26.1	-37.5	-2.7	-4.4	-5.5
	Industri lain	0.8	1.9	-2.6	-1.4	-2.0	1.9	3.3	4.1	-2.3	3.6	-1.0	-2.4	-2.6
310	Pembuatan perabot	0.6	6.1	0.5	1.0	3.0	6.1	5.1	3.4	2.5	2.8	0.8	0.7	0.5
	31001 Pembuatan perabot kayu dan rotan	0.6	6.2	-0.3	0.1	3.2	6.2	4.9	3.0	2.1	1.9	0.0	0.0	-0.3
	Industri lain	0.5	5.7	3.1	3.9	2.6	5.7	6.0	4.9	3.7	5.8	3.6	2.7	3.1
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	3.3	1.6	14.5	10.2	4.1	1.6	-6.2	-6.1	4.0	-6.4	8.6	9.1	14.5
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	3.6	3.5	2.1	0.9	4.4	3.5	4.0	3.9	4.0	2.6	2.9	2.3	2.1
	32901 Pembuatan alat tulis	-2.2	-1.5	-1.2	-2.9	-0.2	-1.5	-1.0	-1.8	-3.6	-1.5	-1.2	-3.6	-1.2
	Industri lain	5.4	5.0	3.1	2.0	5.7	5.0	5.5	5.5	6.3	3.7	4.2	4.2	3.1
323/ 32300	Pembuatan barangan sukan	2.1	-22.6	-1.1	-0.9	-18.6	-22.6	-9.1	-7.8	-1.3	-7.2	-1.7	-2.3	-1.1
324/ 32400	Pembuatan permainan dan mainan	8.2	-4.8	2.3	-0.8	-7.6	-4.8	-1.7	-0.5	-14.4	9.8	5.7	2.4	2.3
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	2.1	3.6	1.7	1.3	4.2	3.6	1.9	0.4	3.0	0.2	2.2	2.4	1.7
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	4.5	5.3	9.2	8.9	10.6	5.3	3.8	1.9	9.5	3.6	9.9	11.8	9.2
	Industri lain	1.6	3.3	0.3	-0.1	3.0	3.3	1.6	0.1	1.8	-0.4	0.7	0.6	0.3
Jumlah Pembuatan		3.4	1.7	2.8	2.1	2.4	1.7	0.5	1.0	1.7	1.3	3.0	3.3	2.8

2024																Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
0.5	1.6	-1.4	-1.0	2.4	3.9	3.1	3.4	1.7	-5.7	-4.0	-2.1	0.7	-2.1	-1.9	-3.4	Manufacture of optical instruments, photographic equipment, magnetic and optical media
3.1	2.5	2.4	2.4	1.6	0.8	0.0	-0.5	-1.6	-2.0	-3.1	-3.5	-1.6	-0.2	-1.3	1.1	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
-1.1	-1.9	-2.1	-0.7	1.8	1.3	1.1	1.5	0.7	-1.6	-1.1	-0.5	2.8	3.8	3.9	3.6	Manufacture of electric motors, generators and transformers
6.4	6.0	5.9	4.8	1.5	0.5	-0.8	-1.9	-3.2	-2.2	-4.6	-5.7	-4.7	-3.1	-5.0	-0.7	Manufacture of electricity distribution and control apparatus
1.8	5.9	3.3	4.1	3.4	1.0	0.5	0.2	-0.2	-0.1	1.9	1.8	2.6	2.4	1.2	0.5	Manufacture of batteries and accumulators
1.7	-3.0	-3.2	-2.6	-3.0	-1.1	-1.8	-3.9	-2.3	0.1	-2.0	-1.3	-1.8	1.8	0.8	0.7	Manufacture of wiring and wiring devices
1.6	1.3	1.0	-3.9	-6.0	-6.2	-3.3	6.8	4.6	3.6	2.6	2.0	2.9	3.0	5.0	4.7	Manufacture of fibre optic cables
3.1	-2.3	-2.5	-1.3	-2.1	-0.2	-1.2	-3.9	-3.9	-0.8	-3.1	-2.1	-2.5	1.5	0.2	0.1	Manufacture of other electronic and electric wires and cables
-15.2	-14.1	-14.5	-17.8	-12.8	-9.5	-8.2	-9.8	19.5	11.7	11.3	7.7	5.4	5.7	6.7	6.6	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
-3.4	-4.6	-6.2	-6.8	-2.1	-3.4	-2.1	7.4	7.6	10.4	10.0	10.6	10.6	12.5	12.9	11.2	Manufacture of electric lighting equipment
-1.3	2.3	1.2	1.2	1.8	0.4	-2.0	1.2	-0.5	-0.3	-1.6	-0.8	0.1	-3.3	-3.6	-3.8	Manufacture of domestic appliances
1.1	0.1	-1.1	-0.6	0.3	1.3	0.2	-1.8	-1.4	-2.2	-2.8	-3.1	-2.2	-1.6	-1.8	-3.3	Manufacture of other electrical equipment
2.7	2.0	2.3	0.4	0.2	-0.1	-0.8	-0.7	-2.4	-2.3	-2.1	-2.2	-2.4	-2.5	-2.3	0.4	Manufacture of general-purpose and special-purpose machinery
2.6	3.3	5.5	4.1	-2.2	-2.2	-1.9	-3.1	-15.9	-24.1	-24.9	-24.7	-24.1	-23.7	-26.4	-25.1	Manufacture of fluid power equipment
0.6	-0.1	2.3	2.5	1.2	1.7	1.9	2.7	3.0	4.4	5.7	0.2	0.3	0.5	1.6	2.4	Manufacture of other pumps, compressors, taps and valves
9.8	7.0	6.7	-5.4	-6.8	-6.3	-7.4	-10.2	-12.5	-13.0	-14.0	-12.7	-10.0	-12.8	-12.4	-4.4	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
-3.2	-2.0	-1.2	-0.6	-10.5	-9.0	-9.4	-8.6	-9.4	-10.1	-10.9	-10.4	-12.0	-11.9	-12.0	-12.1	Manufacture of metal-forming machinery and machine tools
3.7	2.8	1.7	0.1	3.9	2.5	1.1	1.6	0.8	2.1	2.3	4.5	3.6	3.9	3.9	7.3	Manufacture of air-conditioning machines, including for motor vehicles
1.7	4.1	0.6	1.0	2.0	2.2	2.8	2.7	1.3	1.8	3.8	0.8	1.0	-1.2	-0.7	-1.1	Manufacture of other special-purpose machinery
11.4	11.7	10.2	12.6	23.7	21.7	22.3	23.1	18.8	16.2	10.3	10.8	10.1	10.2	7.4	7.1	Other industry
1.3	1.4	0.8	1.3	-1.4	-1.5	-1.7	-1.9	-1.7	-1.1	-2.8	-5.6	0.9	-0.4	-0.5	-0.01	Manufacture of motor vehicles
7.5	8.6	8.4	8.1	8.5	10.0	6.6	8.1	9.5	7.3	6.9	6.7	6.6	4.6	3.7	0.8	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-0.6	-0.6	-1.1	0.2	-2.5	-3.4	-1.9	-2.0	-1.5	-2.0	-2.4	-2.0	-0.6	0.6	1.0	2.8	Manufacture of parts and accessories for motor vehicles
4.1	3.0	3.3	11.6	8.2	9.2	11.3	10.6	10.0	6.5	5.1	5.4	8.6	10.7	9.6	10.1	Building of ships and boats
-6.7	-10.5	-14.2	-26.1	-43.7	-51.0	-54.1	-55.2	-54.4	-53.9	-53.9	-54.2	-54.0	-50.4	-47.0	-37.5	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
-2.9	-0.9	-1.4	-2.3	-1.1	-2.0	0.2	0.8	1.9	2.8	3.0	3.3	3.5	3.3	4.1	3.6	Manufacture of motorcycles
0.4	1.3	1.0	2.5	3.1	3.0	4.8	5.7	6.1	4.6	5.0	5.1	5.7	5.1	3.4	2.8	Manufacture of bicycles and invalid carriages
-0.2	0.6	0.1	2.1	3.5	3.2	4.8	5.1	6.2	4.2	4.8	4.9	5.3	5.0	3.0	1.9	Other industry
2.4	3.8	3.9	3.7	1.7	2.6	4.8	7.5	5.7	5.8	5.7	6.0	6.9	5.4	4.9	5.8	Manufacture of furniture
11.2	11.8	10.2	4.0	3.0	4.1	3.4	1.8	1.6	-4.8	-9.3	-6.2	-6.6	-5.9	-6.1	-6.4	Manufacture of wooden and cane furniture
0.8	1.1	0.9	4.0	4.1	4.4	5.1	4.9	3.5	3.3	4.4	4.0	4.4	3.7	3.9	2.6	Other industry
-2.0	-2.0	-2.9	-3.6	-0.5	-0.2	-0.2	-0.3	-1.5	-3.8	-1.1	-1.0	-0.4	-3.9	-1.8	-1.5	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
1.6	2.0	2.0	6.3	5.4	5.7	6.7	6.5	5.0	5.4	6.0	5.5	5.7	5.9	5.5	3.7	Manufacture of stationery
-1.9	-2.2	-0.9	-1.3	-17.6	-18.6	-20.9	-18.0	-22.6	-18.5	-15.1	-9.1	-6.7	-6.2	-7.8	-7.2	Other industry
3.9	2.4	-0.8	-14.4	-6.2	-7.6	-6.2	-6.5	-4.8	-3.8	-3.1	-1.7	-1.8	-1.6	-0.5	9.8	Manufacture of sports goods
1.4	1.6	1.3	3.0	4.3	4.2	3.5	3.4	3.6	2.3	1.8	1.9	1.1	0.3	0.4	0.2	Manufacture of games and toys
10.5	8.6	8.9	9.5	12.0	10.6	8.4	7.6	5.3	0.7	1.4	3.8	2.1	2.0	1.9	3.6	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
-0.3	0.3	-0.1	1.8	2.8	3.0	2.6	2.6	3.3	2.6	1.9	1.6	0.9	0.0	0.1	-0.4	Repair and maintenance of transport equipment except motorcycles and bicycles
2.5	2.6	2.1	1.7	2.0	2.4	2.5	2.1	1.7	1.3	0.6	0.5	1.0	0.9	1.0	1.3	Other industry
Total Manufacturing																

Jadual **1.5c** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
Table : Number of Paid Employees of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024		2023				
		Q1	Q2	Q3	Q4	Q1	Q2	Jan.	Feb.	Mac	Apr.	Mei
101	Pemprosesan dan pengawetan daging	1.8	3.3	3.9	-1.3	2.1	-2.8	2.9	-0.3	-0.8	3.4	0.2
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	3.8	-0.3	0.5	-0.4	1.6	0.2	1.7	2.6	-0.6	-0.5	0.2
	10201 Pengetinan ikan, krustasea dan moluska											
	&											
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	3.8	-1.0	-0.1	-0.5	1.1	0.3	1.7	2.7	-0.6	-0.7	0.3
	Industri lain	3.5	3.5	3.6	-0.2	4.1	-0.2	2.0	2.0	-0.5	0.8	0.02
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	5.8	2.8	-3.3	-3.3	6.5	-3.6	3.5	2.3	-0.2	0.5	2.8
	10303 Pengetinan nanas											
	&											
	10304 Pembuatan jem, marmalad dan sajian jeli	-8.3	-1.5	1.8	-0.02	2.4	-2.9	-8.9	0.4	0.2	-0.4	0.6
	Industri lain	6.7	3.1	-3.6	-3.5	6.8	-3.6	4.3	2.5	-0.2	0.6	2.9
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	1.4	0.3	4.4	0.4	-0.7	1.4	0.7	0.9	-0.2	-0.6	0.3
	10404 Pembuatan minyak sayuran mentah dan bertapis											
	&											
	10406 Pembuatan sebatian lemak masakan	1.8	0.4	7.8	0.3	2.8	1.4	0.9	0.2	0.7	-0.6	0.4
	10405 Pembuatan minyak kelapa	0.6	0.0	3.0	-0.1	1.4	-0.2	0.3	0.0	0.3	-0.1	0.1
	Industri lain	1.4	0.3	4.3	0.5	-0.9	1.4	0.7	1.0	-0.2	-0.6	0.3
105	Pembuatan produk tenusu	0.3	-0.6	3.6	0.8	1.9	-1.0	0.5	-0.2	0.03	0.5	-1.4
	10502 Pembuatan susu pekat, tepung dan sejat	0.04	-1.21	2.82	0.3	3.4	-2.2	0.4	-0.2	-0.2	1.6	-2.6
	Industri lain	1.1	0.8	5.6	2.3	-1.7	2.2	0.7	-0.1	0.6	-2.3	2.0
106	Pembuatan produk bijian, kanji dan produk berkanji	1.3	-0.7	2.2	0.3	-1.8	-1.1	0.5	1.5	-0.7	-1.0	0.5
	10611 Pengilangan beras	2.1	-2.2	1.7	0.2	0.7	-2.4	0.9	1.9	-0.7	-1.8	0.6
	10613 Pengilangan tepung	1.8	0.7	3.1	0.4	-4.4	0.3	0.1	2.3	-0.5	-0.3	0.4
	Industri lain	-6.1	0.2	0.5	-0.2	-2.2	-0.8	0.3	-4.6	-1.8	0.2	0.7
107	Pembuatan produk makanan lain	2.0	0.8	4.9	1.0	0.2	-0.1	1.8	0.6	-0.4	0.9	0.2
	10711 Pembuatan biskut dan cookies	1.8	-1.0	1.6	0.4	-3.1	1.0	2.3	1.5	-2.0	-0.5	-0.1
	10712 Pembuatan roti, kek dan produk bakeri lain	1.7	1.3	3.8	1.1	-0.6	2.4	0.9	0.3	0.5	1.5	-0.4
	10713 Pembuatan produk snek	0.1	1.2	2.7	4.5	-0.4	0.9	0.2	0.4	-0.4	0.5	0.8
	10721 Pembuatan gula	0.9	1.3	5.3	-2.2	-0.4	0.0	0.2	0.0	0.8	0.6	1.1
	10731 Pembuatan produk koko	-1.6	3.6	0.9	0.3	-2.8	-6.5	0.1	1.1	-2.7	-0.1	2.9
	10732 Pembuatan coklat dan produk coklat											
	&											
	10733 Pembuatan konfeksi gula	0.8	0.4	7.7	0.8	0.6	-1.4	3.3	-1.9	-0.5	0.8	-0.1
	10793 Pembuatan sos dan bahan perasa	2.9	0.2	6.6	5.8	3.2	-3.1	2.0	0.1	0.8	0.4	-0.6
	10799 Pembuatan produk makanan lain t.t.t.l.	2.3	4.4	14.7	-2.1	2.4	-1.6	3.3	-0.6	-0.4	4.7	1.3
	Industri lain	2.9	-0.5	2.5	0.6	0.4	-0.3	1.8	1.8	-0.7	-0.2	0.3
108/ 10800	Pembuatan makanan haiwan tersedia	0.2	-2.7	-6.1	-4.2	2.1	-1.1	0.2	0.4	-0.4	-3.1	0.04
110	Pembuatan minuman ringan	2.4	0.6	-1.6	1.2	1.9	1.2	1.3	0.8	0.3	0.4	0.2
	11041 Pembuatan minuman ringan	1.2	1.0	-2.2	1.0	1.6	1.8	-0.05	0.9	0.3	0.6	0.1
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	7.0	-0.6	-1.6	0.2	3.3	-0.2	5.6	0.1	1.3	0.0	0.3
	Industri lain	0.03	0.9	2.4	4.6	1.1	1.0	-0.2	1.8	-1.6	0.4	0.3
120/ 12000	Pembuatan produk tembakau	17.5	-13.4	1.4	-0.9	5.7	-6.0	5.2	11.4	0.3	-12.0	-0.6
131	Pemintalan, penenunan dan penyiapan tekstil	1.7	-0.5	1.6	-1.6	2.0	1.9	1.1	-0.7	1.3	-0.5	1.1
	13110 Penyediaan dan pemintalan gentian tekstil											
	&											
	13120 Penenunan tekstil	2.4	-0.7	3.2	-1.6	2.9	1.9	1.2	-1.0	2.2	-0.2	0.3
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-1.9	0.3	-2.5	-0.5	-0.7	2.0	-0.3	-0.8	-0.8	-0.4	2.3
	Industri lain	19.4	-3.5	4.0	-9.3	4.9	1.8	11.4	4.0	3.1	-5.3	5.1
139	Pembuatan tekstil lain	0.2	2.2	0.03	-0.5	-1.6	0.4	0.6	-1.0	0.6	1.2	1.3
	13910 Pembuatan fabrik dikait dan dikrusye	-3.0	0.7	-1.1	-1.1	-2.2	2.7	-0.3	-0.3	-2.4	1.3	0.1
	Industri lain	2.2	3.2	0.7	-0.2	-1.2	-0.9	1.1	-1.4	2.5	1.1	2.0
141	Pembuatan pakaian, kecuali pakaian berbulu	0.7	0.2	-2.0	3.7	1.6	-0.9	0.6	-0.1	0.2	0.2	0.5
	14102 Pembuatan pakaian	0.6	-0.3	-2.3	4.7	2.2	-0.9	1.1	-0.9	0.4	-0.2	0.6
	Industri lain	1.0	1.6	-1.0	0.9	-0.2	-0.7	-0.7	2.0	-0.2	1.3	0.0
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	8.1	-0.2	2.5	-1.9	0.6	-0.3	2.5	3.5	1.9	0.0	0.4
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	3.2	-4.7	2.7	-1.6	-2.2	-1.8	1.7	1.4	0.2	-2.9	0.3
152	Pembuatan kasut	3.9	1.3	-0.9	0.8	2.0	1.0	3.1	2.4	-1.6	-0.3	1.1
	15201 Pembuatan kasut kulit											
	&											
	15203 Pembuatan kasut getah	0.3	-2.5	-0.2	1.6	0.3	-0.1	3.9	-1.4	-2.1	-1.8	-0.7
	Industri lain	8.4	5.8	-1.5	-0.03	3.8	2.1	2.0	7.3	-1.0	1.5	3.3
161/ 16100	Pengilangan dan pengetaman kayu	0.5	-2.4	0.04	-0.8	-0.7	-0.4	2.5	-0.04	-1.9	-1.9	1.6

2024														Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
-0.4	-1.6	0.4	5.1	0.4	-0.1	-1.6	1.1	0.6	0.3	-0.5	0.3	-2.6	0.6	Processing and preserving of meat
-0.05	0.5	-1.6	1.6	-0.4	-0.8	0.8	2.7	-0.4	-0.7	1.3	0.1	-1.2	-1.0	Processing and preserving of fish, crustaceans and molluscs
-0.5	1.5	-3.2	1.7	0.1	-1.5	0.9	2.7	-0.9	-0.7	1.4	0.2	-1.2	-1.4	Canning of fish, crustaceans and molluscs
2.7	-5.1	7.7	1.4	-2.9	2.8	0.1	2.7	2.1	-0.7	0.8	-0.3	-0.8	1.2	Processing, curing and preserving of fish, crustacean and molluscs
-0.4	-1.0	-4.7	2.4	0.0	-1.6	-1.7	3.7	2.0	0.7	-0.5	-2.3	-0.9	-2.2	Other industry
-1.6	3.3	-2.4	1.0	0.3	-0.9	0.5	-4.1	10.0	-2.9	0.7	-4.1	0.6	-0.2	Processing and preserving of fruits and vegetable
-0.4	-1.2	-4.9	2.5	-0.02	-1.7	-1.8	4.2	1.6	0.9	-0.5	-2.2	-1.0	-2.3	Pineapple canning
0.5	1.1	0.7	2.5	0.5	-0.04	-0.01	-0.1	-0.4	-0.1	0.3	0.5	0.6	1.0	Manufacture of jams, marmalades and table jellies
0.6	0.5	6.3	0.9	0.3	-0.1	0.1	-1.2	3.7	0.3	1.9	-0.2	-0.4	0.04	Other industry
0.0	-0.6	1.6	2.0	0.0	-0.4	0.3	1.4	0.1	-0.1	0.0	0.1	-0.3	0.3	Manufacture of vegetable and animal oils and fats
0.5	1.2	0.4	2.6	0.5	-0.03	-0.03	-0.1	-0.7	-0.1	0.2	0.5	0.7	1.1	Manufacture of crude and refined vegetable oil
0.2	0.6	1.2	1.7	0.1	0.6	0.2	1.1	-0.6	1.5	0.1	0.8	-1.8	0.2	Manufacture of compound cooking fats
-0.2	0.8	1.1	0.9	-0.3	0.3	0.3	2.1	-0.9	2.3	-0.1	0.9	-3.0	0.2	Manufacture of coconut oil
1.2	0.2	1.6	3.7	1.2	1.3	-0.3	-1.4	0.05	-0.4	0.8	0.4	1.0	0.3	Other industry
-0.2	-0.2	-1.9	4.4	-0.1	0.3	-0.02	0.7	-2.3	-0.2	-0.6	-0.3	-0.2	-1.0	Manufacture of dairy products
-0.9	-0.4	-3.0	5.2	0.0	0.8	-0.6	1.7	0.5	-1.4	-0.8	-0.3	-1.3	-0.5	Manufacture of condensed, powdered and evaporated milk
0.6	-0.2	-0.5	3.9	0.1	-0.3	0.6	0.05	-5.5	1.1	-0.3	-0.2	0.8	-1.8	Rice milling
-0.6	1.4	-3.3	2.4	-1.5	1.0	0.3	-2.0	-0.4	0.2	-1.5	-0.8	1.4	0.4	Flour milling
-0.3	1.0	2.1	1.7	0.9	-0.1	0.2	1.1	-0.4	-0.5	0.7	0.1	-0.9	1.3	Other industry
-0.4	0.3	0.5	0.8	-0.4	0.4	0.3	0.4	-1.1	-2.4	-0.1	1.2	0.02	3.0	Manufacture of grain mill products, starches and starch products
0.2	3.4	-1.1	1.5	1.2	-0.1	0.1	0.6	0.1	-1.4	3.2	0.1	-0.8	2.4	Rice milling
-0.1	-1.2	2.6	1.3	0.7	2.0	1.8	1.7	-1.6	-0.5	-0.1	0.5	0.5	0.7	Flour milling
-0.4	0.1	4.3	0.8	0.4	-2.5	-0.1	0.2	0.2	-0.8	-0.2	0.3	-0.1	-0.3	Other industry
0.8	0.1	-0.5	1.3	0.8	-0.3	-0.2	0.3	-0.2	-2.9	-1.5	-4.4	-0.7	-0.4	Manufacture of other food products
-0.3	1.7	5.2	0.7	0.9	0.8	-0.9	1.5	-0.6	-0.3	-0.8	0.3	-0.9	1.1	Manufacture of biscuits and cookies
0.4	-0.8	5.9	1.4	0.9	5.4	-0.5	2.4	-0.2	1.1	0.2	-1.0	-2.3	1.3	Manufacture of bread, cakes and other bakery products
-1.6	2.1	8.8	3.3	2.1	-4.9	0.9	2.5	0.3	-0.4	-0.3	0.1	-1.5	1.9	Manufacture of snack products
-0.6	-0.1	0.8	1.9	0.8	-0.2	0.03	0.7	-0.7	0.4	0.2	0.4	-1.0	-0.2	Manufacture of snack products
0.4	-1.0	-3.8	-1.4	-0.9	1.0	-4.3	1.7	0.1	0.2	0.1	0.1	-1.4	-0.2	Manufacture of sugar
-0.1	0.5	-2.4	0.4	0.5	-0.4	1.1	1.4	0.02	0.5	0.9	0.1	0.3	-0.4	Manufacture of cocoa products
0.2	0.5	-3.1	0.4	0.3	-0.1	0.8	0.8	-0.2	0.9	1.0	0.1	0.7	-0.3	Manufacture of chocolate and chocolate products
-0.9	0.4	-2.2	0.2	1.0	-1.2	0.4	3.6	0.1	-0.3	0.3	0.5	-1.0	-0.2	Manufacture of sugar confectionery
0.2	0.5	1.0	0.8	0.6	-0.5	4.5	-0.1	1.1	0.1	1.4	-0.9	0.4	-0.8	Manufacture of sauces and condiments
-1.0	-2.2	-4.9	8.9	0.1	-0.7	-0.4	1.0	3.7	0.9	-5.7	-0.8	0.5	-0.5	Manufacture of other food products n.e.c.
-1.1	-1.4	2.7	0.3	-0.4	-0.5	-0.8	-0.4	-0.2	2.7	0.9	2.1	-1.0	0.7	Other industry
-0.8	0.5	2.6	0.1	-0.5	-0.1	-1.0	-0.6	-0.2	3.7	1.7	1.6	-1.4	-1.2	Manufacture of prepared animal feeds
-1.6	-5.8	2.7	0.8	0.2	-0.4	-0.3	-0.1	-0.3	-0.2	-1.2	2.9	0.3	6.4	Manufacture of beverages
-3.1	-1.8	4.4	1.5	-1.8	-8.5	0.9	1.3	0.0	3.6	0.0	5.4	-3.3	-3.4	Manufacture of soft drinks
-0.2	-0.4	0.4	0.03	-0.2	-0.2	-0.2	1.4	-2.9	-0.1	0.1	1.1	-0.8	-1.3	Production of natural mineral waters and other bottled waters
-0.7	-0.9	0.6	-0.8	-0.2	-0.2	-0.8	1.1	-3.6	0.3	0.3	3.2	-0.8	-1.1	Other industry
0.1	-0.04	0.3	0.5	-0.2	-0.2	0.2	1.6	-2.4	-0.3	-0.03	-0.1	-0.7	-1.4	Manufacture of tobacco products
-0.4	-1.3	-1.6	0.9	-1.0	4.2	0.5	0.9	0.2	0.4	-0.4	0.4	-0.9	-0.9	Spinning, weaving and finishing of textiles
-0.7	-1.4	-1.9	1.0	-0.6	4.7	0.7	1.3	0.3	0.7	-0.6	0.7	-1.0	-0.7	Preparation and spinning of textile fibres
0.3	-0.8	-0.7	0.5	-1.9	2.9	0.0	0.1	-0.03	-0.3	0.2	-0.4	-0.5	-1.4	Weaving of textiles
-0.6	-0.6	2.5	0.6	-6.4	5.8	-0.9	0.7	-0.2	0.1	2.5	-0.5	-2.2	-0.4	Dyeing, bleaching, printing and finishing of yarns and fabrics
-2.2	-1.3	1.4	2.7	0.6	-0.7	-1.4	-0.6	-0.4	-1.2	-0.3	-0.3	-1.2	0.6	Other industry
0.5	-0.6	-1.7	1.4	1.8	-0.5	-0.4	1.6	1.2	-0.8	-0.3	1.5	-0.1	-1.0	Manufacture of other textiles
0.1	-0.6	-0.03	0.4	1.7	0.3	-0.4	2.9	-0.6	-1.9	-1.2	1.2	-0.04	-1.7	Manufacture of knitted and crocheted fabrics
0.9	-0.5	-3.4	2.5	1.9	-1.5	-0.4	0.1	3.4	0.3	0.6	1.8	-0.3	-0.2	Other industry
-2.0	-1.0	1.7	-0.7	0.6	0.5	-1.9	-1.0	-1.2	1.5	0.2	1.6	-2.1	-1.15	Manufacture of wearing apparel, except fur
														Manufacture of clothings
														Other industry
														Manufacture of articles of fur, knitted and crocheted apparel
														Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
														Manufacture of footwear
														Manufacture of leather footwear
														Manufacture of rubber footwear
														Other industry
														Sawmilling and planning of wood

Jadual **1.5c** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
 Table : Number of Paid Employees of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024		2023				
		Q1	Q2	Q3	Q4	Q1	Q2	Jan.	Feb.	Mac	Apr.	Mei
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	-1.8	0.5	0.9	1.7	-2.9	2.9	-0.1	1.0	-2.6	-0.3	2.1
16211	Pembuatan kepingan venier dan papan lapis	-2.6	0.5	2.9	2.3	-4.5	3.8	-1.0	1.0	-2.5	-1.0	3.3
16212	Pembuatan papan partikel dan papan gentian	-1.2	3.4	8.4	-2.2	0.7	4.4	-2.3	1.8	-0.7	-1.3	4.7
16221	Pertukangan kayu untuk jurubina	-1.7	0.03	-9.3	-0.01	-0.2	-1.9	1.3	1.5	-4.4	1.2	-0.2
	Industri lain	0.2	-0.9	-0.3	3.2	-2.0	3.2	2.3	-0.01	-2.0	1.1	-0.4
170	Pembuatan kertas dan produk kertas	1.1	-2.8	1.7	1.2	1.0	-3.0	0.3	1.0	-0.2	-1.2	-1.4
17010	Pembuatan pulpa, kertas dan kertas tebal	0.8	-9.2	1.3	5.3	2.8	-5.8	0.1	1.5	-0.8	0.2	-9.4
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	0.1	-2.2	0.3	0.4	-0.4	-2.8	-0.5	0.7	-0.1	-2.4	0.2
17091	Pembuatan sampul surat dan kad surat	5.7	-1.1	0.5	-0.8	-2.7	-2.3	3.1	3.0	-0.5	-1.6	1.4
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-0.9	-1.9	8.1	0.02	-0.1	-4.2	0.8	-0.8	-0.9	-0.5	-0.02
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	4.8	-0.6	-4.2	0.2	5.0	-0.02	0.4	4.2	0.2	0.2	-0.7
	Industri lain	3.4	-0.4	4.5	2.1	1.8	-1.3	2.3	0.1	1.0	-0.9	0.4
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	0.3	-1.9	-0.04	3.4	-4.1	-0.5	0.2	-0.5	0.6	-1.0	1.1
18110	Percetakan	0.3	-1.2	0.03	3.2	-4.4	-1.1	0.2	-0.7	0.9	-0.4	1.4
18120 &	Aktiviti perkhidmatan berkaitan percetakan	0.1	-5.1	-0.4	4.4	-2.4	2.0	0.3	0.2	-0.5	-3.9	-0.4
18200	Penerbitan semula media rakaman											
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	3.8	-1.8	0.3	1.5	1.9	-2.6	-0.2	1.2	2.8	-1.3	-0.2
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	4.0	-2.0	-2.9	1.3	3.0	-0.3	1.6	1.1	1.3	-3.1	0.8
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	8.8	-2.5	0.6	2.2	7.7	1.8	3.0	0.2	5.5	-5.7	4.1
20112 &	Pembuatan kimia organik asas	2.7	-2.3	-3.3	1.1	2.2	-0.8	0.4	1.1	1.1	-3.5	0.3
20113	Pembuatan sebatian bukan organik											
20121 &	Pembuatan baja	9.2	-4.4	-9.5	-0.4	2.7	-0.9	3.5	4.1	1.3	-5.0	0.4
20129	Pembuatan produk campuran nitrogen	0.1	0.2	-0.4	2.1	1.9	-0.6	1.4	-0.9	-0.3	-0.2	-0.2
20131	Pembuatan plastik dalam bentuk primer	5.3	-0.1	-0.2	1.5	3.5	0.0	2.7	2.5	0.1	-1.0	1.5
	Industri lain											
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	1.3	-4.0	-0.8	0.9	0.9	-1.2	0.0	-0.4	1.7	-2.1	-0.9
20210	Pembuatan racun perosak dan produk agrokimia lain	5.8	-2.6	6.5	3.8	1.2	1.0	2.1	1.8	1.7	-1.1	0.4
20221	Pembuatan cat, varnis dan penyadur dan mastik	5.5	-3.2	-2.4	1.9	5.7	-4.2	4.1	-4.5	6.1	-3.2	0.2
20222	Pembuatan dakwat cetak	5.4	0.3	-1.7	0.7	2.4	0.4	1.4	-0.1	4.0	0.1	0.1
20231 &	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilap	-1.8	-8.2	1.0	1.4	-0.8	-0.6	-3.0	1.0	0.3	-3.6	-3.1
20232	Pembuatan pewangi dan penyediaan dandanan diri											
20291 &	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	0.3	-0.8	-2.6	-1.0	-0.7	-1.3	0.7	-0.5	0.2	-0.7	0.4
20292 &	Pembuatan dakwat menulis dan melukis											
20299	Pembuatan produk kimia lain t.t.t.l.	12.0	-3.9	-31.9	-7.5	5.5	-5.1	-1.7	9.8	3.8	-0.8	-0.3
	Industri lain											
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	-1.6	3.8	4.9	-4.5	-2.3	2.7	-1.9	0.4	-0.1	5.4	-1.2
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	-2.8	4.8	4.4	-4.9	-3.9	3.4	-3.3	0.3	0.2	8.7	-2.7
	Industri lain	1.5	1.4	6.2	-3.6	1.5	1.0	1.5	0.7	-0.6	-2.1	2.8
221	Pembuatan produk getah	-0.6	-5.4	2.9	-0.8	-1.7	-3.8	-1.5	0.3	0.6	-0.8	-1.6
22111	Pembuatan tayar getah untuk kenderaan	1.8	4.6	-4.6	0.9	-0.4	-0.4	0.4	1.0	0.4	7.3	-0.2
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2.2	-2.6	6.5	5.6	0.1	-3.0	0.3	2.7	-0.7	-0.4	-0.9
22191 &	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	5.7	2.2	-3.0	-0.4	2.4	1.1	2.2	3.0	0.4	2.1	0.3
22193	Pengilangan semula getah dan prosesan susu getah											
22192	Pembuatan sarung tangan getah	-3.9	-8.1	4.1	-1.0	-3.4	-5.4	-4.4	-0.7	1.2	-2.6	-2.1
22199	Pembuatan produk getah lain yang t.t.t.l.	1.5	-7.0	5.8	-1.4	-1.4	-4.8	1.7	0.2	-0.4	-0.8	-2.0
222	Pembuatan produk plastik	0.4	0.9	1.3	0.7	-0.3	1.4	0.3	0.3	-0.2	1.1	0.2
22201 &	Pembuatan produk plastik separa siap	-1.0	3.4	-0.1	-0.7	-1.3	2.4	-0.2	0.2	-1.0	4.2	0.4
22202	Pembuatan produk plastik siap											
22203	Pembuatan artikel plastik untuk pembungkusan barangan	0.8	0.8	3.8	0.3	-0.2	0.1	0.2	1.0	-0.4	0.8	0.05
22204	Pembuatan barangan plastik jurubina	1.2	-0.2	0.5	-1.1	0.9	1.4	1.3	0.3	-0.4	-0.5	0.6
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	4.3	-1.0	-0.02	-2.5	3.4	-0.05	2.1	1.4	0.8	-1.1	0.6
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-0.2	-0.3	0.3	3.1	-0.7	2.3	0.2	-0.7	0.3	-0.2	0.04
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	0.4	0.5	-0.1	-1.7	1.6	6.2	0.3	0.3	-0.2	0.03	1.1

2024														Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
-1.4	0.1	0.0	0.8	0.9	1.3	-0.5	-0.8	0.1	-2.3	1.2	1.7	-0.01	0.5	Manufacture of products of wood, cork, straw and plaiting materials
-1.7	1.6	-1.0	2.2	0.9	1.9	-0.5	-1.8	0.2	-3.0	0.6	2.3	0.8	1.3	Manufacture of veneer sheets and plywood
0.2	-0.1	13.8	-4.6	-0.3	-1.2	-0.6	-0.6	2.3	-1.0	0.1	4.3	0.03	-1.0	Manufacture of particle board and fibreboard
-1.0	-2.1	-5.8	-1.7	0.5	-0.02	-0.5	0.9	-0.5	-0.7	-0.3	-0.3	-1.3	-0.1	Manufacture of builders' carpentry
-1.5	-2.4	0.5	1.6	1.8	1.7	-0.3	0.8	-0.9	-1.9	4.7	0.1	-1.5	-0.8	Other industry
-0.3	-0.9	0.9	1.7	1.3	-0.4	0.2	0.3	0.8	-0.1	-1.3	-1.7	-0.1	-0.4	Manufacture of paper and paper products
-0.04	-0.1	2.1	-0.7	1.4	-0.1	4.0	3.2	0.3	-0.6	-0.2	-5.4	-0.2	0.4	Manufacture of pulp, paper and paperboard
0.04	-1.3	-0.8	2.4	1.1	-0.1	-0.7	-0.8	0.4	-0.01	-2.7	-0.2	0.04	-1.4	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-0.9	0.4	-0.6	0.6	0.4	-0.2	-1.1	0.3	0.0	-3.0	-1.7	0.2	-0.8	0.5	Manufacture of envelopes and letter-card
-1.4	-1.6	6.3	3.3	1.4	-0.8	-0.6	0.2	0.2	-0.5	-0.3	-4.0	-0.02	-1.6	Manufacture of household and personal hygiene paper
-0.04	-0.5	-3.0	-0.7	1.2	-0.8	-0.2	0.4	4.3	0.3	0.2	-0.4	0.1	0.5	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
0.04	0.2	1.6	2.6	2.1	-0.6	0.7	0.5	-0.1	1.4	-1.3	0.7	-0.7	2.6	Other industry
-2.0	-0.1	0.5	-0.4	1.8	1.1	0.5	-3.8	-0.02	-0.3	-0.7	0.2	0.02	0.05	Printing, service activities related to printing and reproduction of recorded media
-2.2	-0.2	0.4	-0.2	1.3	1.4	0.5	-4.2	-0.1	-0.2	-1.0	-0.03	-0.1	-0.1	Printing
-0.8	0.3	1.0	-1.7	4.2	-0.5	0.7	-2.0	0.3	-0.7	0.4	1.1	0.5	0.6	Service activities related to printing
														Reproduction of recorded media
-0.3	0.3	0.8	-0.8	1.2	0.2	0.1	-1.2	1.5	1.7	-1.5	-1.1	-0.1	0.4	Manufacture of refined petroleum products
0.4	-3.8	1.3	-0.4	1.7	-0.04	-0.4	1.1	0.7	1.2	0.8	-0.8	-0.4	-0.1	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
-0.6	-0.3	0.2	0.7	2.0	0.3	-0.04	3.2	-0.2	4.6	0.2	1.4	0.2	0.4	Manufacture of liquefied or compressed inorganic industrial or medical gases
1.0	-4.4	1.2	-0.1	2.0	-0.8	-0.1	-0.05	1.1	1.2	0.8	-1.0	-0.5	0.3	Manufacture of basic organic chemicals
														Manufacture of inorganic compounds
0.1	-7.6	0.5	-2.5	0.9	0.8	-2.1	2.3	-0.04	0.5	2.3	-3.1	-0.1	-0.2	Manufacture of fertilizers
0.6	-1.8	2.1	-0.6	1.5	0.7	-0.1	0.8	1.0	0.1	0.3	-0.2	-0.7	-1.4	Manufacture of associated nitrogen products
-0.6	-4.4	3.2	1.2	2.4	-0.6	-0.2	2.2	0.4	0.8	0.3	-0.3	-0.1	0.4	Manufacture of plastics in primary forms
														Other industry
-1.0	0.9	-0.4	-1.3	1.0	0.6	-0.7	-0.2	0.3	0.8	-1.0	0.2	-0.4	-1.5	Manufacture of other chemical products and man-made fibres
-1.9	0.1	3.9	2.3	4.3	-0.1	-0.4	1.5	-0.6	0.3	0.6	0.6	-0.2	-0.2	Manufacture of pesticides and other agrochemical products
-0.3	-0.5	-0.4	-1.6	1.2	0.3	0.3	2.8	0.2	2.6	-3.8	-0.4	-0.1	-1.1	Manufacture of paints, varnishes and similar coatings ink and mastics
0.1	0.7	-1.0	-1.3	0.5	0.3	-0.1	0.7	-0.2	1.9	0.7	-0.4	0.2	-7.2	Manufacture of printing ink
														Manufacture of soap and detergents, cleaning and polishing preparations
-1.7	2.4	0.4	-1.7	1.0	0.4	-0.1	-2.8	1.4	0.6	-0.6	0.8	-0.8	-0.7	Manufacture of perfumes and toilet preparations
														Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
-0.6	0.3	-1.6	-1.4	0.2	1.2	-2.4	0.5	-0.6	-0.6	-0.8	-0.2	-0.4	-0.9	Manufacture of writing and drawing ink
														Manufacture of other chemical products n.e.c.
-2.8	-0.8	-24.9	-8.7	-7.5	0.3	-0.3	0.0	2.5	3.0	-2.1	-0.5	-2.5	-1.0	Other industry
-0.4	1.9	2.5	0.5	0.4	-4.6	-0.4	-2.4	-0.01	0.1	4.3	-1.4	-0.2	1.8	Manufacture of pharmaceuticals, medicinal chemical and botanical products
-0.8	1.2	3.1	0.1	0.4	-5.1	-0.2	-3.4	-0.1	-0.4	5.9	-2.5	0.1	1.8	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
0.7	3.6	1.1	1.4	0.5	-3.2	-0.8	-0.02	0.3	1.2	0.9	0.9	-0.8	1.8	Other industry
-3.1	0.2	2.3	0.4	-0.2	-0.4	-0.2	-1.0	-0.2	-0.4	-1.0	-0.4	-2.5	0.3	Manufacture of rubber products
-2.3	6.2	-10.2	0.1	-0.3	1.6	-0.4	0.6	-0.7	-0.4	1.5	-0.5	-1.3	-1.7	Manufacture of rubber tyres for vehicles
-1.3	0.9	2.6	2.8	1.9	7.8	-3.8	0.3	0.4	-0.6	-0.5	-0.2	-2.3	1.0	Manufacture of interchangeable tyre treads and retreading rubber tyres
														Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
-0.2	3.8	-4.9	-1.7	-0.6	-0.3	0.6	1.6	0.6	0.2	1.2	-0.4	0.4	-0.3	Rubber remilling and latex processing
-3.6	-1.7	5.3	0.6	-0.4	-0.7	0.04	-3.0	0.1	-0.5	-2.8	-0.6	-2.1	0.3	Manufacture of rubber gloves
-4.3	-0.1	4.7	1.1	0.4	-1.0	-0.8	0.5	-1.2	-0.6	0.4	0.05	-5.2	1.1	Manufacture of other rubber products n.e.c.
-0.4	2.2	-1.0	0.2	0.0	0.8	-0.1	0.3	-0.4	-0.2	1.6	0.5	-0.7	2.2	Manufacture of plastics products
														Manufacture of semi-manufactures of plastic products
-1.2	-0.3	0.1	0.1	-0.2	-0.5	-0.03	-0.2	0.3	-1.3	3.4	1.0	-1.9	0.1	Manufacture of finished plastic products
-0.1	2.3	0.0	1.4	0.2	-0.1	0.2	0.5	-0.3	-0.3	1.0	-0.1	-0.8	0.1	Manufacture of plastic articles for the packing of goods
-0.3	-0.4	-0.3	1.2	0.6	-1.4	-0.3	1.7	-0.8	0.0	1.2	0.5	-0.2	-1.0	Manufacture of builders' plastics ware
-0.4	-3.7	6.2	-2.3	-2.0	-0.4	-0.1	2.7	-0.1	0.8	-0.2	-0.1	0.2	0.3	Manufacture of plastic tableware, kitchenware and toilet articles
-0.1	5.7	-4.7	-0.4	0.5	3.1	-0.5	-0.1	-1.1	0.5	1.4	0.8	0.1	6.2	Manufacture of diverse plastic products n.e.c.
-0.6	-4.3	4.0	0.4	-1.2	-0.3	-0.2	0.3	0.7	0.7	1.0	4.3	0.8	-2.9	Manufacture of glass and glass products

Jadual **1.5c** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
Table : Number of Paid Employees of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024		2023				
		Q1	Q2	Q3	Q4	Q1	Q2	Jan.	Feb.	Mac	Apr.	Mei
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-2.0	2.0	2.5	0.03	-4.3	0.5	0.5	-2.3	-0.2	0.5	0.7
23911 & 23921	Pembuatan mortar refraktori dan konkrit & Pembuatan seramik bukan refraktori	-6.9	0.1	-0.5	-0.9	-8.1	-2.8	-5.0	-1.6	-0.4	-0.4	-0.5
23930	Pembuatan produk porselin dan seramik lain	-15.6	2.0	0.3	-1.4	-2.3	-1.7	0.2	-15.4	-0.4	-1.0	3.4
23941	Pembuatan simen hidrolik	-2.1	-0.5	-0.5	4.1	-3.0	-0.6	1.5	0.03	-3.5	-0.3	0.2
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	-6.1	0.8	6.6	0.6	-5.4	1.9	1.0	-5.7	-1.4	-0.1	1.2
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; & Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan & Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	2.6	3.0	0.3	-1.9	-6.2	1.2	1.5	-0.5	1.7	1.1	0.6
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	-1.5	3.2	6.9	3.4	-0.5	-0.7	-1.2	0.7	-1.0	1.0	1.7
	Industri lain	3.8	3.5	6.0	0.8	2.5	2.0	4.1	-0.1	-0.1	1.3	-0.2
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	-0.9	1.0	3.4	1.8	0.6	0.0	0.9	-3.2	1.5	0.01	0.8
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	1.5	-3.0	-3.3	-1.1	0.2	-0.8	0.5	2.4	-1.3	-0.5	-0.2
243	Pengacuan logam	6.3	-4.4	2.1	-2.1	4.0	-4.3	3.5	3.4	-0.6	-2.5	-1.4
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	0.7	-2.3	1.2	1.8	1.0	0.3	-0.4	0.4	0.7	-1.5	1.1
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam & Pembuatan produk struktur logam lain	0.1	-2.8	4.9	2.5	0.7	0.3	-0.8	0.4	0.6	-1.5	1.1
25120	Pembuatan tangki, takungan dan kontena daripada logam	0.8	-2.1	-6.5	-0.7	1.7	1.2	-0.2	0.7	0.3	-2.7	1.3
	Industri lain	3.3	0.04	-5.1	1.2	1.7	-0.9	1.4	-0.2	2.0	-0.1	0.9
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	2.1	-2.1	4.2	1.2	1.4	-1.8	1.1	1.0	0.05	-1.4	0.2
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-2.1	-4.4	7.5	-0.9	-2.6	-1.6	0.8	-2.3	-0.4	-2.8	0.04
25920	Rawatan dan penyalutan logam; menggunakan mesin	7.4	-5.8	-10.8	0.1	5.4	-8.0	1.0	3.3	2.9	-4.5	-0.5
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	1.9	-3.2	9.0	-1.3	3.9	-0.6	3.5	0.0	-1.6	-4.3	0.2
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam & Pembuatan bolt, skru, nat dan produk uliran seumpamanya	0.7	0.01	4.1	3.3	1.9	-1.3	1.2	1.0	-1.5	0.5	0.3
25994	Pembuatan barangan rumah daripada logam	6.5	-0.6	0.9	6.9	-1.5	-7.0	1.8	-0.1	4.7	1.3	-0.6
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	1.5	-1.1	4.8	2.5	0.9	-0.4	0.5	2.1	-1.0	0.0	0.3
	Industri lain	7.4	1.2	11.7	0.3	3.8	0.9	0.9	3.8	2.5	0.4	1.0
261	Pembuatan komponen dan papan elektronik	0.7	2.8	-0.1	-1.4	-3.7	2.4	-0.8	1.2	0.3	1.9	0.7
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya & Pembuatan litar elektronik bersepadu dengan pemasangan mikro	-0.1	1.9	0.3	-1.1	-3.2	1.6	-1.6	1.2	0.3	3.9	-1.4
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik & Pembuatan papan litar bercetak & Pembuatan komponen paparan	1.9	3.7	-0.7	-1.8	-4.8	3.7	0.2	1.4	0.3	-0.4	3.0
26109	Pembuatan komponen lain untuk aplikasi elektronik	-0.1	5.3	-0.5	-1.5	-0.5	0.4	-0.01	-0.04	-0.1	-0.3	4.8
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	-4.1	0.2	-0.3	1.1	0.7	2.0	-4.6	0.2	0.3	-0.5	1.0
263/ 26300	Pembuatan peralatan komunikasi	-1.1	2.2	-1.7	1.0	-0.9	2.1	-0.6	-0.6	0.1	0.9	0.9
264/ 26400	Pembuatan peralatan elektronik pengguna	-2.8	0.6	9.8	-3.8	-1.8	0.7	-2.0	-0.7	-0.1	-1.7	1.9
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	1.3	-0.01	-1.8	0.4	1.0	4.1	0.05	1.3	-0.02	-0.2	0.8
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan & Pembuatan kelengkapan kawalan proses perindustrian	1.2	1.6	-3.0	0.4	0.7	5.1	0.3	1.3	-0.4	0.1	1.6
26520	Pembuatan jam tangan dan jam dan bahagiannya	1.5	-5.6	2.9	0.3	2.1	0.8	-1.0	1.0	1.4	-1.2	-2.2
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-0.5	0.5	-1.9	-1.2	-3.7	0.2	0.2	-1.0	0.4	-0.4	0.8

2024														Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
0.7	1.5	0.1	0.9	-0.3	0.8	-0.4	-2.4	-1.7	-0.2	0.7	-0.4	0.1	1.6	Manufacture of non-metallic mineral products
														Manufacture of refractory mortars and concretes
1.0	-2.3	2.7	-0.8	-1.4	0.6	-0.1	-5.5	-1.9	-0.8	-0.6	-2.5	0.3	-0.8	Manufacture of non-refractory ceramic
-0.4	1.5	2.2	-3.3	-1.1	1.0	-1.3	-1.7	-1.7	1.1	-1.3	-0.3	-0.1	2.4	Manufacture of other porcelain and ceramic products
-0.4	3.7	-5.2	1.2	-0.2	4.3	-0.1	0.9	-0.3	-3.6	0.03	-0.2	-0.5	4.87	Manufacture of hydraulic cement
-0.3	3.1	0.2	3.2	-0.8	2.4	-1.0	0.2	-6.0	0.5	-0.04	1.1	0.8	1.9	Manufacture of ready-mix and dry-mix concrete and mortars
														Manufacture of precast concrete, cement or artificial stone articles for use in construction
1.2	0.3	-0.3	0.3	-0.5	-0.8	-0.6	-6.3	-0.4	0.6	1.9	-1.4	0.7	-0.1	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
														Manufacture of other articles of concrete, cement and plaster n.e.c.
0.5	5.7	-1.7	3.0	2.6	0.8	0.0	1.1	-0.2	-1.4	-0.3	2.4	-2.7	6.0	Manufacture of other non-metallic mineral products n.e.c.
2.2	1.3	4.3	0.4	-0.5	0.9	0.4	2.7	-0.03	-0.1	1.7	-0.6	0.9	1.4	Other industry
0.2	-0.3	1.5	2.2	1.1	0.4	0.3	0.9	-1.3	1.0	-0.2	-0.02	0.2	-0.4	Manufacture of basic iron and steel
-2.2	0.3	-3.1	-0.6	0.3	-1.5	0.1	1.2	-0.7	-0.3	-0.3	-0.2	-0.3	-0.9	Manufacture of basic precious and other non-ferrous metals
-0.6	-0.1	2.2	0.1	1.0	-2.8	-0.3	2.6	2.0	-0.6	-0.2	-0.7	-3.4	4.1	Casting of metals
-1.8	-0.1	1.5	-0.1	-0.6	0.0	2.3	0.2	-0.4	1.2	-0.2	-0.5	1.0	-0.02	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
														Manufacture of metal doors, windows and their frames, shutters and gates
-2.4	0.6	5.5	-1.3	-0.7	-0.6	3.8	-0.4	-0.4	1.5	-0.02	-1.1	1.5	-0.1	Manufacture of other structural metal products
-0.6	-0.8	-9.5	4.2	-1.1	1.8	-1.4	1.8	0.2	-0.4	0.2	1.0	-0.04	0.3	Manufacture of tanks, reservoirs and containers of metal
-0.7	-2.7	-2.9	0.4	0.9	0.4	-0.05	1.2	-1.2	1.7	-1.6	0.9	-0.2	0.2	Other industry
-1.0	0.9	1.9	1.3	0.2	-0.3	1.3	1.1	-0.1	0.4	-0.7	0.2	-1.3	0.5	Manufacture of other fabricated metal products; metal working service activities
-1.7	3.1	3.4	0.8	0.04	-0.9	-0.1	-0.1	-2.9	0.4	-0.2	0.2	-1.7	3.2	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
-1.0	-0.9	-9.4	-0.6	1.0	-0.8	-0.2	1.8	0.1	3.4	-4.5	-1.3	-2.4	-1.3	Treatment and coating of metals; machining
0.9	1.1	8.5	-0.7	0.5	-1.6	-0.1	4.9	-1.8	0.9	-0.8	0.5	-0.3	1.4	Manufacture of tins and cans for food products, collapsible tubes and boxes
-0.8	1.7	-0.2	2.5	-0.2	-0.5	4.0	2.3	0.1	-0.4	-0.3	0.1	-1.1	-1.8	Manufacture of metal cable, plaited bands and similar articles
														Manufacture of bolts, screws, nuts and similar threaded products
-1.3	-0.04	-0.8	1.7	1.5	5.4	-0.1	-0.4	0.1	-1.2	-1.0	0.0	-6.1	-0.5	Manufacture of metal household articles
-1.4	-0.5	3.9	1.4	0.3	-0.6	2.7	0.4	0.3	0.3	0.5	0.6	-1.5	0.1	Manufacture of any other fabricated metal products n.e.c.
-0.1	0.5	7.6	3.3	-0.5	1.2	-0.4	0.2	4.4	-0.7	-1.2	1.1	1.0	1.7	Other industry
0.2	-2.4	1.3	1.0	-0.3	-0.6	-0.4	-1.4	-1.7	-0.6	1.2	0.7	0.4	-3.3	Manufacture of electronic components and boards
-0.5	-1.8	2.0	0.2	-0.2	-0.4	-0.5	-1.5	-1.4	-0.3	1.6	0.1	-0.1	-3.6	Manufacture of diodes, transistors and similar semiconductor devices
														Manufacture of electronic integrated circuits micro assemblies
														Manufacture of electrical capacitors and resistors
1.1	-3.5	0.8	2.1	-0.5	-0.9	-0.3	-1.6	-2.3	-1.0	1.0	1.8	0.9	-3.4	Manufacture of printed circuit boards
														Manufacture of display components
0.8	-0.7	-0.5	0.7	-0.6	-0.7	-0.2	0.4	0.1	-0.9	-0.6	0.2	0.8	0.2	Manufacture of other components for electronic applications
-0.2	-0.6	-1.8	2.1	-0.2	1.5	-0.2	-0.4	0.3	0.7	-0.3	1.3	1.0	-0.5	Manufacture of computers and peripheral equipment
0.4	-6.4	4.1	0.9	1.4	-0.2	-0.2	-0.8	-0.5	0.4	1.1	1.1	-0.1	-1.5	Manufacture of communication equipment
0.4	-1.1	6.0	4.9	-1.8	-1.4	-0.6	-1.8	-0.3	0.3	-1.6	2.5	-0.1	0.4	Manufacture of consumer electronics
-0.6	-1.6	-2.5	2.4	-0.2	0.5	0.1	0.4	0.4	0.2	0.1	1.7	2.3	-2.6	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
														Manufacture of measuring, testing, navigating and control equipment
-0.1	-2.0	-2.9	1.9	-0.2	0.5	0.2	0.5	0.4	-0.2	0.5	1.9	2.6	-3.3	Manufacture of industrial process control equipment
-2.3	-0.2	-1.0	4.2	-0.2	0.6	-0.1	0.1	0.2	1.7	-1.2	0.9	1.0	-0.02	Manufacture of watches and clocks and parts
0.1	-8.6	3.9	3.3	-0.7	-0.4	-0.1	-3.4	-0.3	0.02	-0.3	0.3	0.3	-4.5	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual **1.5c** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
Table : Number of Paid Employees of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024		2023				
		Q1	Q2	Q3	Q4	Q1	Q2	Jan.	Feb.	Mac	Apr.	Mei
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	2.8	-2.1	6.5	-5.1	-1.0	-2.0	3.5	-1.0	0.4	-1.5	0.4
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	0.3	-2.7	3.2	-2.2	-1.7	-0.5	0.5	-0.5	0.3	-2.2	-0.7
27101	Pembuatan motor elektrik, penjana dan transformer	1.7	-3.8	4.9	-1.9	0.5	0.6	2.3	-0.6	0.1	-2.9	-0.2
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	-0.8	-2.0	2.0	-2.4	-3.3	-1.3	-0.9	-0.4	0.4	-1.7	-1.1
272/ 27200	Pembuatan bateri dan akumulator	-0.7	-0.4	4.1	-3.0	1.2	-0.9	0.02	-0.7	-0.1	-1.0	0.6
273	Pembuatan pendawaian dan peranti pendawaian	0.9	-3.1	2.0	-2.0	1.9	-1.1	-0.5	2.0	-0.5	0.6	-3.6
27310	Pembuatan kabel gentian optikal	2.5	2.8	-1.4	0.7	-0.04	5.8	1.0	0.5	0.9	1.2	1.4
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	0.3	-3.7	1.8	-2.2	2.2	-1.6	-1.1	2.2	-0.8	0.4	-4.0
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	10.3	2.6	5.9	-0.3	-0.6	1.6	7.9	0.0	2.2	2.9	-0.3
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-0.9	-1.9	9.9	0.7	1.9	0.2	-1.5	-2.2	2.9	-2.6	-0.8
275/ 27500	Pembuatan perkakasan domestik	5.1	0.9	-4.5	-1.7	4.7	-1.9	0.4	0.2	4.5	-1.5	3.4
279/ 27900	Pembuatan kelengkapan elektrik lain	0.7	-1.9	0.8	-1.0	-1.0	-0.6	1.1	-0.3	-0.1	-1.2	-0.5
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	0.8	1.4	-3.0	-1.6	1.0	1.3	0.7	1.1	-1.0	0.3	-0.6
28120 & 28130	Pembuatan alat-alat kuasa bendalir	4.9	0.8	-8.3	-13.2	-6.1	-1.4	4.7	0.9	-0.7	-0.5	-0.2
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	3.6	2.1	-2.7	0.1	0.7	3.6	0.5	1.7	1.3	0.2	-0.6
28192	Pembuatan jentera pembentukan logam dan alatan mesin											
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	2.1	-3.9	-8.7	-2.4	1.9	-3.5	2.7	1.3	-1.9	-0.7	-2.6
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	2.3	2.4	-13.3	-0.2	1.2	0.5	1.0	1.4	-0.2	1.3	0.5
		-1.6	2.2	1.0	-0.7	2.0	1.6	-0.3	0.8	-2.1	0.5	-0.4
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-3.2	0.8	4.2	-0.4	-3.6	-0.6	-0.3	-2.3	-0.6	-0.2	1.4
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	3.2	0.5	13.2	1.2	-3.7	-2.6	0.3	4.3	-1.4	0.2	0.1
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	1.4	-0.3	-2.8	0.1	-2.6	5.1	0.4	0.6	0.4	-0.2	0.3
301 (30110 & 30120)	Pembinaan kapal dan bot	1.9	1.3	4.7	1.3	-0.7	-1.5	3.0	0.2	-1.3	-1.2	1.6
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	1.9	-2.3	-1.3	0.2	1.4	0.8	1.5	-0.05	0.4	-1.2	-0.4
30910	Pembuatan motosikal	6.2	-4.4	7.9	0.4	1.8	-0.6	2.8	1.0	2.3	-2.8	-2.6
30920	Pembuatan basikal dan invalid carriages	-6.5	-5.9	-42.6	-9.7	-5.9	8.9	-3.3	-2.1	-1.2	-0.4	-2.5
	Industri lain	0.4	0.5	-0.2	1.2	1.8	1.2	1.6	-0.4	-0.8	-0.1	1.9
310	Pembuatan perabot	2.6	1.6	1.0	0.7	1.7	-0.1	2.2	0.04	0.4	1.4	0.3
31001	Pembuatan perabot kayu dan rotan	2.4	2.0	1.7	0.0	1.1	0.2	1.9	-0.2	0.6	2.0	0.2
	Industri lain	3.6	0.2	-1.2	3.0	3.9	-0.8	3.3	0.7	-0.4	-0.4	0.6
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	9.5	-4.7	-3.8	1.2	1.1	-4.6	7.3	2.2	-0.1	-1.5	0.5
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	-0.2	-0.4	4.9	-0.8	0.3	-0.5	-0.3	-0.2	0.3	-1.1	0.7
32901	Pembuatan alat tulis	-2.1	-1.5	5.0	-2.7	-1.6	-2.3	0.4	-2.2	-0.3	-0.1	0.3
	Industri lain	0.4	-0.04	4.9	-0.2	0.8	0.0	-0.5	0.4	0.5	-1.4	0.8
323/ 32300	Pembuatan barangan sukan	-5.1	-0.1	-16.8	-1.9	11.5	1.3	-2.8	-3.8	1.5	-0.4	0.2
324/ 32400	Pembuatan permainan dan mainan	-3.8	-1.0	0.5	-0.5	-0.7	0.2	-2.3	-0.1	-1.5	-0.6	0.4
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	3.0	0.02	0.1	0.5	1.3	-1.5	2.7	0.04	0.2	0.2	0.8
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	5.7	0.8	-0.2	-0.9	4.2	-1.1	7.7	-0.2	-1.7	2.1	-2.0
	Industri lain	2.5	-0.1	0.1	0.8	0.8	-1.6	1.7	0.1	0.6	-0.1	1.3
Jumlah Pembuatan		0.7	-0.2	1.2	0.1	-0.5	0.3	0.3	0.3	0.1	-0.1	0.3

2024														Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
-1.1	-0.9	6.3	1.2	-0.8	-4.0	-0.4	-4.0	0.7	2.4	1.3	-2.3	-0.9	-2.4	Manufacture of optical instruments, photographic equipment, magnetic and optical media
0.2	1.5	1.7	-0.1	-0.6	-0.9	-0.7	0.05	-1.7	-0.1	-0.3	0.7	-0.8	3.9	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
-0.6	1.2	2.8	0.8	-0.6	-1.0	-0.3	-0.1	-0.1	0.7	0.3	0.8	-0.5	0.8	Manufacture of electric motors, generators and transformers
0.9	1.8	0.9	-0.7	-0.6	-0.8	-1.0	0.1	-2.8	-0.7	-0.7	0.5	-1.1	6.4	Manufacture of electricity distribution and control apparatus
0.02	-0.6	1.6	3.1	0.7	-3.8	0.2	0.1	1.3	-0.2	-0.2	0.4	-1.1	-1.3	Manufacture of batteries and accumulators
-0.1	-0.8	2.0	0.8	-0.4	-0.5	-1.1	1.9	-0.2	0.2	0.02	0.0	-1.1	-0.9	Manufacture of wiring and wiring devices
0.1	-1.6	-0.5	0.8	2.7	0.4	-2.3	0.1	-0.5	0.4	2.1	1.4	2.1	-1.9	Manufacture of fibre optic cables
-0.1	-0.5	1.8	0.6	-0.6	-0.6	-1.1	2.1	-0.2	0.3	-0.1	-0.1	-1.4	-0.6	Manufacture of other electronic and electric wires and cables
0.0	-4.1	6.4	3.8	0.3	-0.9	0.3	0.8	-0.4	-1.1	0.7	0.0	0.9	-4.2	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
1.5	3.7	4.7	1.3	0.5	-0.7	0.9	1.1	-2.6	3.5	-2.6	1.0	1.9	2.1	Manufacture of electric lighting equipment
-0.9	-1.8	1.6	-4.3	-0.4	-0.5	-0.8	0.6	-1.1	5.2	-0.6	-0.1	-1.2	-2.1	Manufacture of domestic appliances
-0.2	1.0	2.1	-2.2	-0.6	-0.8	0.4	0.3	-1.0	-0.4	-0.3	0.1	-0.4	-0.6	Manufacture of other electrical equipment
1.7	-2.5	0.04	-0.5	-0.2	0.1	-1.5	0.8	1.3	-1.0	0.1	-0.7	1.9	0.2	Manufacture of general-purpose and special-purpose machinery
1.6	-1.1	-6.6	-0.8	0.9	-0.6	-13.5	-5.5	-0.1	-0.6	0.3	0.4	-2.0	0.6	Manufacture of fluid power equipment
2.6	-1.8	-1.3	0.3	-0.1	0.3	-0.05	1.9	3.0	-4.0	0.4	-0.5	3.8	-1.0	Manufacture of other pumps, compressors, taps and valves
-0.6	-9.5	-0.4	1.4	-0.9	-0.9	-0.6	2.2	0.1	-0.3	2.4	-5.7	-0.1	-1.3	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
0.5	0.5	-11.4	-2.7	0.0	-0.3	0.1	0.3	0.5	0.5	-0.6	0.7	0.4	0.4	Manufacture of metal-forming machinery and machine tools
2.1	-2.3	4.3	-0.9	-0.3	0.5	-0.9	0.9	1.0	-0.03	-0.4	-0.1	2.1	0.9	Manufacture of air-conditioning machines, including for motor vehicles
-0.4	2.4	1.4	0.3	0.5	-0.1	-0.9	0.1	-0.3	-3.5	0.1	-0.9	0.2	1.9	Manufacture of other special-purpose machinery
0.2	1.5	11.1	0.4	0.6	-0.5	1.1	-1.9	-0.9	-1.0	-0.4	0.1	-2.4	1.3	Other industry
-0.5	0.1	-2.9	-0.1	0.01	-0.2	0.3	1.0	-1.0	-2.6	6.7	-0.9	-0.6	0.6	Manufacture of motor vehicles
0.8	2.3	0.8	1.5	-0.8	1.6	0.5	0.9	-0.1	-1.5	-1.2	-0.3	-0.01	-0.6	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-0.7	1.1	-2.3	0.02	0.4	-0.4	0.2	1.0	-0.4	0.8	0.1	0.8	-0.2	2.8	Manufacture of parts and accessories for motor vehicles
0.9	6.6	-2.0	3.3	1.4	-0.4	-0.6	-0.4	-0.4	2.6	0.2	-0.6	-0.1	7.1	Building of ships and boats
-3.1	-13.6	-25.2	-11.2	-6.6	-3.1	-0.3	-2.3	-2.0	-1.7	0.1	5.0	3.6	1.8	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
-1.4	-0.4	1.6	-1.3	0.3	-0.2	1.1	2.5	-0.3	-0.4	0.1	1.7	-0.7	-0.8	Manufacture of motorcycles
-0.1	-0.4	0.8	0.6	1.4	-0.7	0.1	0.8	0.5	0.4	2.0	-0.2	-1.8	-1.0	Manufacture of bicycles and invalid carriages
-0.2	-0.3	1.8	0.1	1.1	-1.0	-0.1	0.0	0.4	0.6	2.4	-0.1	-2.2	-1.3	Other industry
0.1	-0.7	-2.8	2.3	2.3	0.1	0.6	3.4	0.6	-0.1	0.5	-0.8	-0.4	0.2	Manufacture of furniture
-3.7	-4.3	-1.5	2.0	0.4	0.9	-0.1	0.5	-2.6	3.2	-1.9	1.2	-3.9	-4.6	Manufacture of wooden and cane furniture
0.1	4.7	0.1	0.1	0.2	-0.1	-0.9	-0.5	0.9	-0.1	-0.8	0.01	0.3	3.4	Other industry
-1.7	1.1	3.3	0.5	-0.2	-2.3	-0.3	-1.9	0.6	-0.3	0.5	-3.2	0.4	1.5	Manufacture of jewellery, bijouterie and related articles
0.6	5.7	-0.8	0.0	0.4	0.4	-1.0	-0.1	1.0	-0.01	-1.2	0.9	0.3	3.9	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
0.1	-0.1	-15.9	-1.1	-1.2	2.3	-2.9	2.3	0.3	8.7	2.2	0.7	-1.6	0.5	Manufacture of stationery
-0.9	-9.0	10.0	0.4	1.4	-1.4	-0.5	-1.3	0.7	-0.1	-0.6	0.6	0.2	0.4	Manufacture of bicycles and invalid carriages
-1.0	1.2	-0.1	-1.1	0.5	-0.6	0.6	1.4	-0.5	0.4	-0.6	0.1	-0.9	1.1	Other industry
0.7	-0.9	1.7	-1.0	-1.9	0.9	0.1	3.0	0.5	0.6	0.4	-2.0	0.6	0.7	Manufacture of sports goods
-1.3	1.7	-0.5	-1.1	1.0	-0.8	0.6	1.1	-0.7	0.4	-0.8	0.5	-1.3	1.2	Manufacture of games and toys
-0.4	-0.2	0.6	0.7	0.2	0.0	-0.1	-0.1	-0.3	-0.1	0.4	0.2	-0.3	-0.01	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
														Repair and maintenance of transport equipment except motorcycles and bicycles
														Other industry
-0.4	-0.2	0.6	0.7	0.2	0.0	-0.1	-0.1	-0.3	-0.1	0.4	0.2	-0.3	-0.01	Total Manufacturing

Jadual **1.6a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan
Table : *Salaries and Wages Paid of Manufacturing Sector by Group*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023		
				Q1	Q2	Q3
101	Pemprosesan dan pengawetan daging	361	426	103	106	106
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	449	476	118	117	120
	10201 Pengetinan ikan, krustasea dan moluska					
	&	358	385	96	96	97
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska					
	Industri lain	91	91	22	22	23
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	190	224	55	59	56
	10303 Pengetinan nanas					
	&	11	15	4	4	4
	10304 Pembuatan jem, marmalad dan sajian jeli					
	Industri lain	179	208	51	55	52
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	2,958	3,192	782	784	793
	10404 Pembuatan minyak sayuran mentah dan bertapis					
	&	218	218	55	56	53
	10406 Pembuatan sebatian lemak masakan					
	10405 Pembuatan minyak kelapa	93	115	26	27	31
	Industri lain	2,646	2,859	701	701	710
105	Pembuatan produk tenusu	875	922	225	232	225
	10502 Pembuatan susu pekat, tepung dan sejat	775	814	199	206	197
	Industri lain	100	107	25	26	27
106	Pembuatan produk bijian, kanji dan produk berkanji	370	384	96	98	96
	10611 Pengilangan beras	179	186	48	47	46
	10613 Pengilangan tepung	166	173	41	45	43
	Industri lain	25	25	7	6	6
107	Pembuatan produk makanan lain	4,170	4,498	1,094	1,082	1,132
	10711 Pembuatan biskut dan cookies	375	429	101	103	111
	10712 Pembuatan roti, kek dan produk bakeri lain	932	995	239	243	253
	10713 Pembuatan produk snek	232	250	62	59	62
	10721 Pembuatan gula	81	71	17	17	18
	10731 Pembuatan produk koko	93	97	23	24	25
	10732 Pembuatan coklat dan produk coklat					
	&	401	405	101	92	100
	10733 Pembuatan konfeksi gula					
	10793 Pembuatan sos dan bahan perasa	369	429	100	102	107
	10799 Pembuatan produk makanan lain t.t.t.l.	481	564	135	134	143
	Industri lain	1,206	1,258	316	307	312
108/ 10800	Pembuatan makanan haiwan tersedia	1,061	1,141	281	277	282
110	Pembuatan minuman ringan	532	573	141	139	139
	11041 Pembuatan minuman ringan	373	408	101	100	98
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	127	128	32	31	32
	Industri lain	32	36	9	8	9
120/ 12000	Pembuatan produk tembakau	63	66	18	16	15
131	Pemintalan, penenunan dan penyiapan tekstil	353	345	84	85	88
	13110 Penyediaan dan pemintalan gentian tekstil					
	&	238	238	56	58	62
	13120 Penenunan tekstil					
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	107	98	25	24	24
	Industri lain	9	9	2	2	2
139	Pembuatan tekstil lain	319	361	88	91	90
	13910 Pembuatan fabrik dikait dan dikrusye	97	100	24	26	25
	Industri lain	222	261	65	65	65
141	Pembuatan pakaian, kecuali pakaian berbulu	887	939	238	230	225
	14102 Pembuatan pakaian	598	636	162	154	151
	Industri lain	289	303	76	76	74
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	25	25	6	6	6
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	123	129	32	32	32
152	Pembuatan kasut	201	214	54	53	52
	15201 Pembuatan kasut kulit					
	&	145	149	39	37	36
	15203 Pembuatan kasut getah					
	Industri lain	56	65	15	15	16
161/ 16100	Pengilangan dan pengetaman kayu	520	526	134	127	131

2024			2023	2024	Group Description/Period
Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	
111	103	104	243	242	Processing and preserving of meat
120	118	116	275	273	Processing and preserving of fish, crustaceans and molluscs
96	93	92	224	215	Canning of fish, crustaceans and molluscs
24	25	24	51	58	Processing, curing and preserving of fish, crustacean and molluscs
55	56	55	133	130	Other industry
4	4	4	9	9	Processing and preserving of fruits and vegetable
51	53	52	123	122	Pineapple canning
832	827	852	1,833	1,968	Manufacture of jams, marmalades and table jellies
54	54	54	128	127	Other industry
30	30	30	64	71	Manufacture of vegetable and animal oils and fats
748	742	768	1,641	1,770	Manufacture of crude and refined vegetable oil
240	247	247	528	580	Manufacture of compound cooking fats
212	220	218	468	515	Manufacture of coconut oil
28	27	29	60	65	Other industry
94	90	86	226	204	Manufacture of dairy products
44	45	43	111	102	Manufacture of condensed, powdered and evaporated milk
44	39	36	101	88	Other industry
6	6	6	15	14	Manufacture of grain mill products, starches and starch products
1,189	1,155	1,124	2,545	2,653	Rice milling
114	107	109	240	254	Flour milling
259	249	253	566	584	Other industry
67	69	70	141	164	Manufacture of other food products
19	19	19	40	44	Manufacture of biscuits and cookies
25	23	24.7	56	56	Manufacture of bread, cakes and other bakery products
112	104	94	225	229	Manufacture of snack products
119	130	121	236	291	Manufacture of sugar
152	139	130	315	310	Manufacture of cocoa products
323	315	304	726	721	Manufacture of chocolate and chocolate products
301	279	271	652	640	Manufacture of sugar confectionery
154	151	149	325	348	Manufacture of sauces and condiments
109	105	105	234	245	Manufacture of other food products n.e.c.
34	34	32	72	76	Other industry
11	12	12	19	27	Manufacture of prepared animal feeds
18	17	15	38	38	Manufacture of beverages
89	85	89	197	204	Manufacture of soft drinks
62	59	62	135	142	Production of natural mineral waters and other bottled waters
25	24	24	57	56	Other industry
2	2	2	5	5	Manufacture of tobacco products
92	91	91	209	212	Spinning, weaving and finishing of textiles
26	24	25	58	57	Preparation and spinning of textile fibres
66	67	66	152	155	Weaving of textiles
246	245	233	543	554	Dyeing, bleaching, printing and finishing of yarns and fabrics
169	174	163	367	389	Other industry
77	71	71	176	164	Manufacture of other textiles
6	6	6	14	15	Manufacture of knitted and crocheted fabrics
33	32	34	75	77	Other industry
55	56	53	124	126	Manufacture of wearing apparel, except fur apparel
37	36	35	88	82	Manufacture of clothings
18	20	18	36	44	Other industry
134	136	136	305	320	Sawmilling and planning of wood

Jadual **1.6a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : *Salaries and Wages Paid of Manufacturing Sector by Group (cont.)*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023						
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
101	Pemprosesan dan pengawetan daging	36	34	33	35	35	36	34
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	40	39	39	38	40	40	40
	10201 Pengetinan ikan, krustasea dan moluska							
	&	32	32	32	31	32	32	33
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska							
	Industri lain	7	7	7	7	7	7	7
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	18	18	19	19	20	20	19
	10303 Pengetinan nanas							
	&	1	1	1	1	1	1	1
	10304 Pembuatan jem, marmalad dan sajian jeli							
	Industri lain	17	17	17	18	18	18	18
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	264	261	258	262	262	260	267
	10404 Pembuatan minyak sayuran mentah dan bertapis							
	&	19	18	18	19	18	19	17
	10406 Pembuatan sebatian lemak masakan							
	10405 Pembuatan minyak kelapa	9	9	9	9	9	9	10
	Industri lain	237	233	230	234	235	232	240
105	Pembuatan produk tenusu	73	77	75	77	77	78	71
	10502 Pembuatan susu pekat, tepung dan sejat	64	69	66	69	68	69	63
	Industri lain	9	8	9	8	9	9	9
106	Pembuatan produk bijian, kanji dan produk	32	32	32	33	32	33	32
	10611 Pengilangan beras	16	16	16	16	16	15	16
	10613 Pengilangan tepung	14	14	14	15	14	16	14
	Industri lain	2	2	2	2	2	2	2
107	Pembuatan produk makanan lain	372	361	361	357	363	363	368
	10711 Pembuatan biskut dan cookies	34	33	33	34	35	35	37
	10712 Pembuatan roti, kek dan produk bakeri lain	82	79	77	80	82	81	84
	10713 Pembuatan produk snek	20	21	21	20	19	20	20
	10721 Pembuatan gula	6	6	5	5	6	6	6
	10731 Pembuatan produk koko	7	8	8	9	8	8	8
	10732 &							
	10733 Pembuatan coklat dan produk coklatPembuatan konfeksi gula	34	33	34	31	31	31	32
	10793 Pembuatan sos dan bahan perasa	32	31	37	35	33	34	33
	10799 Pembuatan produk makanan lain t.t.t.l.	48	44	43	43	45	46	46
	Industri lain	107	106	103	101	103	103	102
108/ 10800	Pembuatan makanan haiwan tersedia	90	98	93	90	94	92	95
110	Pembuatan minuman ringan	48	47	47	47	46	45	45
	11041 Pembuatan minuman ringan	34	33	33	34	33	33	33
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	11	10	11	11	10	10	10
	Industri lain	3	3	3	3	3	3	3
120/ 12000	Pembuatan produk tembakau	6	6	6	5	5	5	5
131	Pemintalan, penenunan dan penyiapan tekstil	29	27	28	28	29	28	29
	13110 &							
	13120 Penyediaan dan pemintalan gentian tekstilPenenunan tekstil	20	18	19	19	20	20	21
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fab	9	9	8	8	8	8	7
	Industri lain	1	1	1	1	1	1	1
139	Pembuatan tekstil lain	30	29	30	30	31	30	30
	13910 Pembuatan fabrik dikait dan dikrusye	8	8	8	8	9	9	8
	Industri lain	22	21	22	22	22	22	22
141	Pembuatan pakaian, kecuali pakaian berbulu	83	77	78	78	77	74	75
	14102 Pembuatan pakaian	58	52	52	53	52	49	50
	Industri lain	26	25	26	25	25	25	24
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	2	2	2	2	2	2	2
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	11	11	11	11	11	11	10
152	Pembuatan kasut	18	18	18	18	18	17	17
	15201 Pembuatan kasut kulit							
	&	13	13	13	12	13	12	12
	15203 Pembuatan kasut getah							
	Industri lain	5	5	5	5	5	5	5
161/ 16100	Pengilangan dan pengetaman kayu	44	45	44	43	42	42	44

2024												Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
35	37	37	37	37	36	34	34	34	35	35	35	Processing and preserving of meat
40	40	40	40	41	40	39	39	38	39	39	40	Processing and preserving of fish, crustaceans and molluscs
32	32	32	32	32	31	31	30	30	31	31	31	Canning of fish, crustaceans and molluscs
8	8	8	8	8	8	8	8	8	8	8	9	Processing, curing and preserving of fish, crustacean and molluscs
18	18	18	18	18	19	18	19	19	18	18	19	Other industry
18	18	18	18	18	19	18	19	19	18	18	19	Processing and preserving of fruits and vegetable
1	1	1	1	1	1	1	1	1	1	1	1	Pineapple canning
17	17	17	17	17	18	17	18	18	17	17	18	Manufacture of jams, marmalades and table jellies
258	268	271	265	296	278	279	270	283	287	282	289	Other industry
18	18	18	18	18	18	18	18	18	18	18	19	Manufacture of vegetable and animal oils and fats
10	10	10	10	10	10	10	10	10	10	10	10	Manufacture of crude and refined vegetable oil
230	240	243	237	268	250	251	241	254	259	254	261	Manufacture of compound cooking fats
75	78	76	77	88	90	76	81	84	83	80	86	Manufacture of coconut oil
66	68	66	67	79	81	67	72	75	73	71	77	Manufacture of dairy products
9	9	10	10	9	9	9	9	9	10	10	9	Manufacture of condensed, powdered and evaporated milk
32	32	31	31	32	33	28	29	29	29	28	29	Other industry
15	15	15	15	15	15	15	15	14	14	14	14	Manufacture of grain mill products, starches and starch products
14	14	14	14	16	15	12	12	12	12	12	12	Rice milling
2	2	2	2	2	2	2	2	2	2	2	2	Flour milling
376	388	389	391	410	394	382	379	375	375	374	373	Other industry
37	38	37	38	38	37	35	35	36	37	36	39	Manufacture of other food products
84	86	85	87	88	84	85	80	85	84	84	82	Manufacture of biscuits and cookies
21	22	22	22	23	23	23	23	23	23	24	24	Manufacture of bread, cakes and other bakery products
6	6	6	6	7	6	7	6	6	6	6	6	Manufacture of snack products
8	8	8	8	9	8	7	7	9	8	8	8	Manufacture of sugar
33	35	36	37	38	36	34	34	32	31	31	31	Manufacture of cocoa products
36	38	38	38	44	41	42	47	42	40	40	40	Manufacture of chocolate and chocolate products
47	50	50	50	53	51	43	44	43	43	43	41	Manufacture of sugar confectionery
104	106	106	106	111	108	105	102	100	102	101	102	Manufacture of sauces and condiments
93	94	96	99	107	100	91	88	89	90	92	91	Manufacture of other food products n.e.c.
45	49	49	51	54	51	50	50	51	49	49	49	Other industry
32	34	34	36	39	36	35	35	36	34	35	35	Manufacture of prepared animal feeds
11	11	11	11	11	12	11	11	11	10	10	10	Manufacture of beverages
3	3	3	3	4	4	4	4	4	4	4	4	Manufacture of soft drinks
5	5	5	5	7	6	6	6	5	5	5	5	Production of natural mineral waters and other bottled waters
29	30	29	30	30	30	28	28	29	30	30	30	Other industry
21	21	20	21	21	21	19	19	20	21	21	21	Manufacture of tobacco products
8	8	8	8	8	8	8	8	8	8	8	8	Spinning, weaving and finishing of textiles
1	1	1	1	1	1	1	1	1	1	1	1	Preparation and spinning of textile fibres
30	30	31	30	31	31	30	31	30	31	30	30	Weaving of textiles
8	8	9	9	9	8	8	8	8	8	8	8	Dyeing, bleaching, printing and finishing of yarns and fabrics
22	22	22	22	22	23	22	23	22	22	22	22	Other industry
74	77	76	82	88	85	80	80	80	79	75	76	Manufacture of other textiles
49	51	51	56	62	61	56	57	56	55	52	53	Manufacture of knitted and crocheted fabrics
25	26	25	26	26	25	23	23	24	24	23	22	Other industry
2	2	2	2	2	2	2	2	2	2	2	2	Manufacture of wearing apparel, except fur apparel
10	11	11	11	12	11	10	11	11	11	11	11	Manufacture of clothings
17	18	18	18	18	19	19	18	18	18	17	17	Other industry
12	12	12	12	12	12	12	12	12	12	12	11	Manufacture of articles of fur, knitted and crocheted apparel
5	6	6	6	6	7	6	6	6	6	6	6	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
43	44	45	44	44	44	46	46	46	45	45	48	Manufacture of footwear
												Manufacture of leather footwear
												Manufacture of rubber footwear
												Other industry
												Sawmilling and planning of wood

Jadual **1.6a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan
Table : *Salaries and Wages Paid of Manufacturing Sector by Group*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023		
				Q1	Q2	Q3
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	2,064	2,184	544	535	546
16211	Pembuatan kepingan venier dan papan lapis	1,008	1,042	255	251	265
16212	Pembuatan papan partikel dan papan gentian	299	323	82	77	80
16221	Pertukangan kayu untuk jurubina	428	478	122	122	119
	Industri lain	329	341	85	84	82
170	Pembuatan kertas dan produk kertas	2,100	2,148	548	523	527
17010	Pembuatan pulpa, kertas dan kertas tebal	304	241	67	55	57
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	836	916	226	225	231
17091	Pembuatan sampul surat dan kad surat	54	53	13	13	13
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	374	396	108	97	92
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	270	248	63	62	61
	Industri lain	263	293	70	71	73
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	2,242	2,382	594	600	584
18110	Percetakan	1,892	2,015	498	509	493
18120 &	Aktiviti perkhidmatan berkaitan percetakan					
18200	Penerbitan semula media rakaman	350	368	96	91	91
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	2,363	2,502	677	570	592
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	3,205	3,220	863	801	772
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	296	359	90	82	92
20112 &	Pembuatan kimia organik asas					
20113	Pembuatan sebatian bukan organik	1,670	1,628	451	408	381
20121 &	Pembuatan baja	310	287	76	74	70
20129	Pembuatan produk campuran nitrogen					
20131	Pembuatan plastik dalam bentuk primer	811	840	216	210	206
	Industri lain	118	107	31	26	25
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	2,626	2,710	688	657	676
20210	Pembuatan racun perosak dan produk agrokimia lain	258	303	71	81	73
20221	Pembuatan cat, varnis dan penyadur dan mastik	361	419	106	101	106
20222	Pembuatan dakwat cetak	236	211	54	53	53
20231 &	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	844	896	236	219	223
20232	Pembuatan pewangi dan penyediaan dandanan diri					
20291 &	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials					
20292 &	Pembuatan dakwat menulis dan melukis	891	848	210	194	213
20299	Pembuatan produk kimia lain t.t.t.l.					
	Industri lain	37	32	9	9	8
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	789	804	188	197	204
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	629	624	149	154	155
	Industri lain	159	180	39	43	49
221	Pembuatan produk getah	4,094	4,036	943	1,003	1,076
22111	Pembuatan tayar getah untuk kenderaan	382	480	115	120	126
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	103	131	29	32	35
22191 &	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	737	769	182	192	197
22193	Pengilangan semula getah dan prosesan susu getah					
22192	Pembuatan sarung tangan getah	2,160	1,974	444	491	543
22199	Pembuatan produk getah lain yang t.t.t.l.	712	683	173	168	176
222	Pembuatan produk plastik	7,892	8,102	1,996	2,059	2,006
22201 &	Pembuatan produk plastik separa siap					
22202	Pembuatan produk plastik siap	2,724	2,748	712	702	662
22203	Pembuatan artikel plastik untuk pembungkusan barangan	1,847	2,207	550	600	545
22204	Pembuatan barangan plastik jurubina	101	119	29	32	29
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	598	584	145	148	147
22209	Pembuatan pelbagai produk plastik t.t.t.l.	2,622	2,444	560	576	623
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	890	921	230	228	231

2024		2023		2024	Group Description/Period
Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	
559	558	553	1,259	1,298	Manufacture of products of wood, cork, straw and plaiting materials
271	265	268	594	627	Manufacture of veneer sheets and plywood
84	87	76	185	187	Manufacture of particle board and fibreboard
115	114	117	284	272	Manufacture of builders' carpentry
90	92	92	196	213	Other industry
550	554	526	1,244	1,254	Manufacture of paper and paper products
62	64	58	141	140	Manufacture of pulp, paper and paperboard
235	236	226	527	536	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
14	14	13	31	32	Manufacture of envelopes and letter-card
100	109	99	234	243	Manufacture of household and personal hygiene paper
61	57	55	146	132	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
78	75	74	166	172	Other industry
605	623	636	1,390	1,468	Printing, service activities related to printing and reproduction of recorded media
514	524	538	1,173	1,239	Printing
91	98	98	217	230	Service activities related to printing
					Reproduction of recorded media
664	682	571	1,437	1,447	Manufacture of refined petroleum products
784	770	726	1,928	1,743	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
96	84	75	202	187	Manufacture of liquefied or compressed inorganic industrial or medical gases
388	344	326	992	774	Manufacture of basic organic chemicals
					Manufacture of inorganic compounds
					Manufacture of fertilizers
66	68	64	175	154	Manufacture of associated nitrogen products
209	247	236	495	566	Manufacture of plastics in primary forms
25	27	26	65	60	Other industry
689	730	686	1,570	1,646	Manufacture of other chemical products and man-made fibres
77	83	90	179	203	Manufacture of pesticides and other agrochemical products
107	119	114	240	271	Manufacture of paints, varnishes and similar coatings ink and mastics
51	46	44	126	104	Manufacture of printing ink
					Manufacture of soap and detergents, cleaning and polishing preparations
218	230	214	530	517	Manufacture of perfumes and toilet preparations
					Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
230	245	218	474	536	Manufacture of writing and drawing ink
					Manufacture of other chemical products n.e.c.
6	6	6	21	15	Other industry
215	191	198	452	456	Manufacture of pharmaceuticals, medicinal chemical and botanical products
166	146	152	354	349	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
49	45	46	98	106	Other industry
1,014	961	987	2,302	2,288	Manufacture of rubber products
119	103	87	276	218	Manufacture of rubber tyres for vehicles
35	36	40	72	91	Manufacture of interchangeable tyre treads and retreading rubber tyres
					Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
198	193	203	440	465	Rubber remilling and latex processing
496	470	503	1,113	1,147	Manufacture of rubber gloves
165	159	154	401	366	Manufacture of other rubber products n.e.c.
2,041	2,010	2,093	4,720	4,798	Manufacture of plastics products
					Manufacture of semi-manufactures of plastic products
672	643	634	1,628	1,470	Manufacture of finished plastic products
512	528	578	1,349	1,305	Manufacture of plastic articles for the packing of goods
29	31	30	72	70	Manufacture of builders' plastics ware
144	148	156	341	357	Manufacture of plastic tableware, kitchenware and toilet articles
684	660	696	1,331	1,597	Manufacture of diverse plastic products n.e.c.
232	230	243	535	553	Manufacture of glass and glass products

Jadual **1.6a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : *Salaries and Wages Paid of Manufacturing Sector by Group (cont.)*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023						
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	181	182	180	179	180	176	180
	16211 Pembuatan kepingan venier dan papan lapis	84	86	85	83	85	83	88
	16212 Pembuatan papan partikel dan papan gentian	28	27	27	27	26	24	26
	16221 Pertukangan kayu untuk jurubina	41	41	40	41	40	41	40
	Industri lain	28	28	29	28	28	28	27
170	Pembuatan kertas dan produk kertas	180	186	182	175	174	174	173
	17010 Pembuatan pulpa, kertas dan kertas tebal	21	24	22	20	18	18	18
	17020 Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	76	75	75	74	76	75	76
	17091 Pembuatan sampul surat dan kad surat	4	4	4	4	4	4	4
	17092 Pembuatan kertas kegunaan rumah dan pembersih peribadi	33	38	37	32	32	32	29
	17093 Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	21	21	21	21	21	21	21
	Industri lain	24	23	23	24	24	24	24
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	204	193	197	197	203	200	196
	18110 Percetakan	170	162	166	168	172	170	165
	18120 Aktiviti perkhidmatan berkaitan percetakan							
	&	33	31	31	29	31	31	30
	18200 Penerbitan semula media rakaman							
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	216	212	249	188	187	195	190
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	282	279	302	280	255	266	265
	20111 Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	26	31	33	27	27	27	30
	20112 Pembuatan kimia organik asas							
	&	150	146	155	146	125	136	133
	20113 Pembuatan sebatian bukan organik							
	20121 & 20129 Pembuatan bajaPembuatan produk campuran nitrogen	26	24	26	25	25	25	24
	20131 Pembuatan plastik dalam bentuk primer	69	69	78	72	69	69	70
	Industri lain	11	10	10	10	8	8	8
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	227	232	229	222	217	218	225
	20210 Pembuatan racun perosak dan produk agrokimia lain	22	22	27	27	27	27	26
	20221 Pembuatan cat, varnis dan penyadur dan mastik	34	38	33	34	33	34	34
	20222 Pembuatan dakwat cetak	18	18	18	18	18	17	18
	20231 Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilat	74	83	79	75	72	72	75
	&							
	20232 Pembuatan pewangi dan penyediaan dandanan diri							
	20291 Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials							
	&	75	68	68	66	64	64	69
	20292 Pembuatan dakwat menulis dan melukis							
	&							
	20299 Pembuatan produk kimia lain t.t.t.l.							
	Industri lain	3	3	3	3	3	3	3
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	65	61	62	68	64	65	67
	21001 Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan	52	48	49	54	50	50	51
	Industri lain	13	13	13	14	15	14	16
221	Pembuatan produk getah	309	315	319	321	331	350	356
	22111 Pembuatan tayar getah untuk kenderaan	40	39	36	40	40	39	42
	22112 Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	9	9	11	10	11	11	11
	22191 Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	59	59	64	65	64	63	65
	&							
	22193 Pengilangan semula getah dan prosesan susu getah							
	22192 Pembuatan sarung tangan getah	143	153	148	149	161	181	178
	22199 Pembuatan produk getah lain yang t.t.t.l.	57	56	60	57	55	57	60
222	Pembuatan produk plastik	672	652	671	696	693	670	666
	22201 Pembuatan produk plastik separa siap							
	&	244	246	222	239	238	225	214
	22202 Pembuatan produk plastik siap							
	22203 Pembuatan artikel plastik untuk pembungkusan barangan	179	166	205	202	204	194	199
	22204 Pembuatan barangan plastik jurubina	9	9	10	10	11	11	11
	22205 Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	48	48	49	49	49	49	48
	22209 Pembuatan pelbagai produk plastik t.t.t.l.	192	183	185	195	191	190	195
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	81	75	74	75	77	76	76

2024												Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
183	183	185	186	189	189	185	183	185	186	182	188	Manufacture of products of wood, cork, straw and plaiting materials
89	89	89	91	90	91	88	86	89	91	89	93	Manufacture of veneer sheets and plywood
27	27	27	28	29	29	29	29	26	26	24	24	Manufacture of particle board and fibreboard
40	39	40	38	38	38	38	38	39	39	39	41	Manufacture of builders' carpentry
27	28	29	29	32	31	30	31	31	30	30	29	Other industry
175	179	182	180	188	184	186	183	176	174	175	174	Manufacture of paper and paper products
19	19	21	20	21	21	22	22	21	19	18	18	Manufacture of pulp, paper and paperboard
76	78	79	78	78	80	78	78	75	74	77	74	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
4	4	5	5	5	5	4	5	5	4	4	5	Manufacture of envelopes and letter-card
31	32	32	31	36	35	38	36	33	34	33	35	Manufacture of household and personal hygiene paper
20	20	21	21	20	19	19	19	18	18	19	19	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
24	25	25	25	28	25	25	25	24	25	25	24	Other industry
197	191	193	199	213	204	210	209	209	214	213	210	Printing, service activities related to printing and reproduction of recorded media
166	162	163	169	182	170	178	177	178	180	180	176	Printing
31	29	30	30	31	34	33	32	31	34	33	33	Service activities related to printing
												Reproduction of recorded media
194	208	217	207	240	216	216	250	188	185	198	194	Manufacture of refined petroleum products
256	252	255	256	272	260	250	260	252	234	241	246	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
30	31	32	32	32	28	28	28	25	25	25	28	Manufacture of liquefied or compressed inorganic industrial or medical gases
126	122	125	126	137	116	113	116	119	101	107	104	Manufacture of basic organic chemicals
												Manufacture of inorganic compounds
23	23	22	22	22	23	21	24	22	21	21	22	Manufacture of fertilizers
68	68	68	68	73	84	79	84	77	79	80	84	Manufacture of associated nitrogen products
8	8	9	8	9	10	9	8	10	8	8	8	Manufacture of plastics in primary forms
												Other industry
227	224	225	221	243	233	248	250	239	222	226	229	Manufacture of other chemical products and man-made fibres
23	24	26	25	26	26	27	30	30	30	31	29	Manufacture of pesticides and other agrochemical products
37	36	35	34	37	37	44	38	39	37	38	38	Manufacture of paints, varnishes and similar coatings ink and mastics
18	17	17	17	17	15	16	15	16	14	14	14	Manufacture of printing ink
76	72	70	69	79	70	79	82	72	71	72	72	Manufacture of soap and detergents, cleaning and polishing preparations
												Manufacture of perfumes and toilet preparations
												Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
71	73	75	74	81	82	81	83	80	68	69	74	Manufacture of writing and drawing ink
												Manufacture of other chemical products n.e.c.
2	2	2	2	2	2	2	2	2	2	2	2	Other industry
69	68	70	67	78	66	62	63	68	65	65	67	Manufacture of pharmaceuticals, medicinal chemical and botanical products
53	52	53	51	62	51	47	48	53	49	50	51	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
16	16	17	16	16	15	15	15	16	15	15	16	Other industry
367	354	344	341	329	325	318	318	315	326	347	340	Manufacture of rubber products
43	41	40	40	40	40	33	30	28	28	30	29	Manufacture of rubber tyres for vehicles
12	12	12	12	12	12	11	14	13	14	14	14	Manufacture of interchangeable tyre treads and retreading rubber tyres
65	66	66	65	67	66	60	67	66	68	69	70	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
												Rubber remilling and latex processing
189	176	169	169	158	155	160	155	156	163	184	174	Manufacture of rubber gloves
59	58	57	55	53	53	54	52	52	52	50	53	Manufacture of other rubber products n.e.c.
670	671	672	678	691	678	663	668	702	707	683	696	Manufacture of plastics products
225	224	222	225	224	220	221	202	214	216	204	193	Manufacture of semi-manufactures of plastic products
												Manufacture of finished plastic products
175	172	168	168	175	178	166	184	195	197	186	200	Manufacture of plastic articles for the packing of goods
9	9	9	9	10	10	10	11	10	10	10	10	Manufacture of builders' plastics ware
50	49	50	46	48	48	49	51	51	52	53	52	Manufacture of plastic tableware, kitchenware and toilet articles
211	217	223	228	233	222	217	221	232	232	231	241	Manufacture of diverse plastic products n.e.c.
76	79	77	75	80	77	75	79	81	82	81	80	Manufacture of glass and glass products

Jadual **1.6a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan
Table : *Salaries and Wages Paid of Manufacturing Sector by Group*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023		
				Q1	Q2	Q3
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	3,717	3,799	914	932	952
23911 &	Pembuatan mortar refraktori dan konkrit	311	320	75	80	81
23921	Pembuatan seramik bukan refraktori					
23930	Pembuatan produk porselin dan seramik lain	170	146	37	35	37
23941	Pembuatan simen hidrolik	278	293	73	75	73
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	738	709	175	173	177
23952 &	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;					
23953 &	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	1,279	1,344	319	330	341
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.					
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	539	592	141	141	146
	Industri lain	402	394	95	99	97
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	2,368	2,396	631	596	569
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	1,396	1,467	394	363	347
243	Pengacuan logam	416	398	103	99	96
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	1,643	1,722	431	427	428
25113 &	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	841	890	226	224	222
25119	Pembuatan produk struktur logam lain					
25120	Pembuatan tangki, takungan dan kontena daripada logam	609	631	154	153	157
	Industri lain	193	201	51	50	50
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	3,982	4,211	1,063	1,018	1,029
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	754	744	185	178	184
25920	Rawatan dan penyalutan logam; menggunakan mesin	509	485	128	124	115
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	476	555	134	128	138
25992 &	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	1,020	1,124	277	273	277
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya					
25994	Pembuatan barangan rumah daripada logam	65	65	16	16	17
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	973	1,028	272	249	247
	Industri lain	185	210	50	50	52
261	Pembuatan komponen dan papan elektronik	12,261	12,315	3,230	3,122	2,887
26101 &	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	7,883	7,930	2,051	1,995	1,908
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro					
26103 &	Pembuatan kapasitor dan perintang elektrik					
26104 &	Pembuatan papan litar bercetak	3,901	3,912	1,056	1,004	870
26105	Pembuatan komponen paparan					
26109	Pembuatan komponen lain untuk aplikasi elektronik	477	473	123	123	109
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	3,001	3,095	748	746	768
263/ 26300	Pembuatan peralatan komunikasi	789	783	211	198	178
264/ 26400	Pembuatan peralatan elektronik pengguna	1,341	1,338	329	311	339
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	2,450	2,973	629	755	785
26511 &	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	2,275	2,786	582	711	736
26512	Pembuatan kelengkapan kawalan proses perindustrian					
26520	Pembuatan jam tangan dan jam dan bahagiannya	175	187	47	44	49
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	736	728	192	194	169

2024		2023		2024	Group Description/Period
Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	
1,001	971	968	2,159	2,262	Manufacture of non-metallic mineral products n.e.c. Manufacture of refractory mortars and concretes
84	88	86	181	201	Manufacture of non-refractory ceramic
37	34	36	85	83	Manufacture of other porcelain and ceramic products
73	67	61	172	150	Manufacture of hydraulic cement
185	189	188	406	439	Manufacture of ready-mix and dry-mix concrete and mortars
					Manufacture of precast concrete, cement or artificial stone articles for use in construction
355	337	338	762	790	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
164	157	154	328	360	Manufacture of other articles of concrete, cement and plaster n.e.c.
104	101	105	225	239	Manufacture of other non-metallic mineral products n.e.c. Other industry
600	630	591	1,415	1,408	Manufacture of basic iron and steel
364	410	401	873	941	Manufacture of basic precious and other non-ferrous metals
100	104	98	233	233	Casting of metals
435	460	438	1,001	1,047	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
218	220	212	525	504	Manufacture of metal doors, windows and their frames, shutters and gates
167	188	177	359	426	Manufacture of other structural metal products
51	52	49	117	117	Manufacture of tanks, reservoirs and containers of metal Other industry
1,101	1,142	1,134	2,417	2,645	Manufacture of other fabricated metal products; metal working service activities
197	192	190	423	445	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
118	130	129	293	299	Treatment and coating of metals; machining
156	156	154	304	362	Manufacture of tins and cans for food products, collapsible tubes and boxes
297	325	319	641	747	Manufacture of metal cable, plaited bands and similar articles
17	17	17	37	41	Manufacture of bolts, screws, nuts and similar threaded products
259	271	278	601	635	Manufacture of metal household articles
57	51	48	117	116	Manufacture of any other fabricated metal products n.e.c. Other industry
3,076	2,989	2,853	7,293	6,722	Manufacture of electronic components and boards
1,976	1,948	1,849	4,671	4,397	Manufacture of diodes, transistors and similar semiconductor devices
					Manufacture of electronic integrated circuits micro assemblies
					Manufacture of electrical capacitors and resistors
983	915	882	2,337	2,035	Manufacture of printed circuit boards
117	126	123	285	290	Manufacture of display components
					Manufacture of other components for electronic applications
834	786	789	1,745	1,865	Manufacture of computers and peripheral equipment
197	198	202	465	464	Manufacture of communication equipment
360	311	248	745	621	Manufacture of consumer electronics
804	796	955	1,646	2,087	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
756	748	909	1,538	1,976	Manufacture of measuring, testing, navigating and control equipment
47	48	47	108	111	Manufacture of industrial process control equipment
					Manufacture of watches and clocks and parts
173	197	191	443	454	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : Salaries and Wages Paid of Manufacturing Sector by Group (cont.)

1.6a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023						
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	312	298	305	304	314	314	313
23911 & 23921	Pembuatan mortar refraktori dan konkrit & Pembuatan seramik bukan refraktori	25	24	26	26	27	28	27
23930	Pembuatan produk porselin dan seramik lain	15	11	11	11	12	12	12
23941	Pembuatan simen hidrolik	26	24	24	24	26	25	25
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	59	58	58	57	58	58	58
23952 & 23953	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; & Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan & Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	109	103	107	107	112	111	114
23959								
23990	Pembuatan produk mineral bukan logam lain t.t.t.l. Industri lain	46 32	47 31	47 32	44 34	49 32	48 32	46 32
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	215	207	208	202	201	194	188
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	131	135	128	121	122	119	117
243	Pengacuan logam	36	33	34	33	33	33	31
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	144	143	144	141	144	142	143
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam & Pembuatan produk struktur logam lain	75	75	77	74	76	74	75
25120	Pembuatan tangki, takungan dan kontena daripada logam	52	51	51	51	52	51	52
	Industri lain	17	17	17	17	17	16	16
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	354	358	351	337	344	337	336
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	63	62	60	60	61	58	60
25920	Rawatan dan penyalutan logam; menggunakan mesin	43	44	42	41	41	41	41
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	46	45	44	42	43	43	43
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam & Pembuatan bolt, skru, nat dan produk uliran seumpamanya	90	94	93	88	93	92	91
25994	Pembuatan barangan rumah daripada logam	5	5	5	5	5	5	6
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l. Industri lain	93 15	91 18	89 18	83 18	84 16	82 16	79 16
261	Pembuatan komponen dan papan elektronik	1,055	1,103	1,073	1,046	1,046	1,029	942
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya & Pembuatan litr elektronik bersepadu dengan pemasangan mikro	668	688	695	678	656	661	626
26103 & 26104	Pembuatan kapasitor dan perintang elektrik & Pembuatan papan litr bercetak	346	374	336	327	350	328	277
26105	Pembuatan komponen paparan							
26109	Pembuatan komponen lain untuk aplikasi elektronik	41	41	42	41	41	41	39
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	252	259	237	248	262	236	251
263/ 26300	Pembuatan peralatan komunikasi	72	69	70	67	64	67	56
264/ 26400	Pembuatan peralatan elektronik pengguna	113	104	112	101	104	106	105
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	200	208	222	231	253	271	261
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan & Pembuatan kelengkapan kawalan proses perindustrian	184	193	206	217	238	257	244
26520	Pembuatan jam tangan dan jam dan bahagiannya	16	15	15	15	15	14	17
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	63	66	64	67	64	63	58

2024												Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
314	325	326	333	342	330	318	323	322	324	322	323	Manufacture of non-metallic mineral products n.e.c.
27	27	27	27	30	29	29	30	29	29	28	28	Manufacture of refractory mortars and concretes
12	12	12	12	13	11	11	11	11	12	12	13	Manufacture of non-refractory ceramic
24	24	23	24	26	26	21	21	20	21	20	22	Manufacture of other porcelain and ceramic products
58	61	60	61	63	63	62	64	63	62	63	62	Manufacture of hydraulic cement
												Manufacture of ready-mix and dry-mix concrete and mortars
												Manufacture of precast concrete, cement or artificial stone articles for use in construction
112	115	116	123	117	115	109	112	111	114	113	115	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
49	51	53	53	58	53	54	51	50	52	52	49	Manufacture of other articles of concrete, cement and plaster n.e.c.
32	33	34	34	36	33	33	34	37	34	33	34	Manufacture of other non-metallic mineral products n.e.c.
												Other industry
189	192	191	192	217	220	202	207	202	197	193	187	Manufacture of basic iron and steel
114	116	118	118	129	135	140	135	135	135	131	131	Manufacture of basic precious and other non-ferrous metals
32	33	33	33	35	36	35	33	34	32	32	32	Casting of metals
143	142	141	142	153	158	152	150	143	148	146	150	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
74	73	72	72	74	78	70	72	69	72	71	71	Manufacture of metal doors, windows and their frames, shutters and gates
52	53	52	53	62	63	63	61	58	60	59	62	Manufacture of other structural metal products
17	17	17	17	17	17	18	17	16	16	16	16	Manufacture of tanks, reservoirs and containers of metal
												Other industry
342	352	357	358	386	382	381	379	377	382	376	368	Manufacture of other fabricated metal products; metal working service activities
62	63	63	63	71	65	63	64	64	65	61	63	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
37	37	37	36	45	43	44	43	44	44	41	41	Treatment and coating of metals; machining
46	49	50	53	53	53	53	50	50	52	51	53	Manufacture of tins and cans for food products, collapsible tubes and boxes
91	94	97	97	104	106	109	110	105	106	108	103	Manufacture of metal cable, plaited bands and similar articles
6	6	6	6	6	6	6	6	6	6	6	6	Manufacture of bolts, screws, nuts and similar threaded products
83	85	87	85	88	91	90	90	92	94	92	86	Manufacture of metal household articles
17	18	19	19	20	19	16	16	16	16	16	16	Manufacture of any other fabricated metal products n.e.c.
												Other industry
957	988	985	980	1,112	1,005	1,008	976	936	960	957	879	Manufacture of electronic components and boards
638	644	640	625	712	646	655	647	617	606	626	600	Manufacture of diodes, transistors and similar semiconductor devices
												Manufacture of electronic integrated circuits micro assemblies
												Manufacture of electrical capacitors and resistors
285	307	306	318	358	316	312	288	278	313	291	237	Manufacture of printed circuit boards
												Manufacture of display components
34	37	38	37	42	43	41	42	41	41	41	42	Manufacture of other components for electronic applications
250	267	263	263	309	268	267	251	255	264	271	290	Manufacture of computers and peripheral equipment
62	60	59	72	66	65	67	66	64	68	69	64	Manufacture of communication equipment
112	121	121	120	118	119	101	91	83	86	80	62	Manufacture of consumer electronics
260	264	262	262	280	246	266	285	290	311	354	335	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
244	248	246	246	264	230	250	269	275	295	339	319	Manufacture of measuring, testing, navigating and control equipment
16	16	16	16	15	16	16	16	15	16	16	16	Manufacture of industrial process control equipment
												Manufacture of watches and clocks and parts
56	56	56	54	63	64	66	67	64	67	60	67	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual
Table

1.6a : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan
: *Salaries and Wages Paid of Manufacturing Sector by Group*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023		
				Q1	Q2	Q3
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	500	499	124	122	123
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	1,246	1,241	322	300	309
27101	Pembuatan motor elektrik, penjana dan transformer	474	489	116	118	126
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	772	751	207	181	183
272/ 27200	Pembuatan bateri dan akumulator	481	550	135	132	141
273	Pembuatan pendawaian dan peranti pendawaian	1,133	1,069	278	269	274
27310	Pembuatan kabel gentian optikal	84	92	21	23	24
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	1,011	946	250	238	241
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	39	31	8	8	8
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	248	249	61	54	66
275/ 27500	Pembuatan perkakasan domestik	436	395	94	98	106
279/ 27900	Pembuatan kelengkapan elektrik lain	395	444	116	104	107
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	4,424	4,451	1,148	1,080	1,084
28120 & 28130	Pembuatan alat-alat kuasa bendalir	348	361	85	89	91
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	919	899	221	220	224
28192	Pembuatan jentera pembentukan logam dan alatan mesin					
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	743	637	185	151	147
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	525 1,889	513 2,042	142 515	134 486	118 505
291 (29101 & 29102)	Pembuatan kenderaan bermotor	1,152	1,110	270	274	279
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	344	401	97	92	102
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	2,030	2,115	511	547	518
301 (30110 & 30120)	Pembinaan kapal dan bot	281	312	77	75	76
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	861	859	220	218	209
30910	Pembuatan motosikal	534	534	133	135	132
30920	Pembuatan basikal dan invalid carriages	121	106	31	30	24
	Industri lain	206	219	56	54	53
310	Pembuatan perabot	2,556	2,687	683	655	660
31001	Pembuatan perabot kayu dan rotan	2,025	2,192	553	537	540
	Industri lain	530	494	130	118	120
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	261	257	67	60	61
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	732	738	179	180	185
32901	Pembuatan alat tulis	153	148	37	36	39
	Industri lain	579	590	142	144	146
323/ 32300	Pembuatan barangan sukan	71	68	19	18	16
324/ 32400	Pembuatan permainan dan mainan	236	263	63	66	66
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	1,319	1,407	359	355	338
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	275	312	80	76	69
	Industri lain	1,043	1,095	279	279	269
Jumlah Pembuatan		94,528	97,789	24,517	24,165	24,068

2024			2023	2024	Group Description/Period
Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	
131	138	129	286	309	Manufacture of optical instruments, photographic equipment, magnetic and optical media
309	316	322	726	750	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
130	128	125	274	299	Manufacture of electric motors, generators and transformers
180	188	196	452	451	Manufacture of electricity distribution and control apparatus
143	142	157	312	352	Manufacture of batteries and accumulators
248	235	223	638	538	Manufacture of wiring and wiring devices
24	21	24	52	54	Manufacture of fibre optic cables
216	205	189	568	463	Manufacture of other electronic and electric wires and cables
8	9	9	18	20	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
68	70	66	136	162	Manufacture of electric lighting equipment
97	96	82	227	205	Manufacture of domestic appliances
117	117	125	255	282	Manufacture of other electrical equipment
1,139	1,130	1,053	2,582	2,538	Manufacture of general-purpose and special-purpose machinery
96	59	58	203	137	Manufacture of fluid power equipment
					Manufacture of other pumps, compressors, taps and valves
					Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
234	217	205	514	494	Manufacture of metal-forming machinery and machine tools
154	181	154	385	385	Manufacture of air-conditioning machines, including for motor vehicles
119	125	120	320	284	Manufacture of other special-purpose machinery n.e.c.
536	548	516	1,158	1,237	Other industry
287	261	243	635	583	Manufacture of motor vehicles
110	106	102	220	243	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
538	525	587	1,234	1,299	Manufacture of parts and accessories for motor vehicles
83	90	89	177	208	Building of ships and boats
212	218	220	509	510	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
135	136	138	310	319	Manufacture of motorcycles
22	22	22	70	52	Manufacture of bicycles and invalid carriages
55	60	60	128	139	Other industry
689	694	664	1,554	1,575	Manufacture of furniture
562	569	542	1,267	1,286	Manufacture of wooden and cane furniture
126	125	122	287	289	Other industry
68	67	66	148	155	Manufacture of jewellery, bijouterie and related articles
194	191	190	419	447	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
37	37	36	85	85	Manufacture of stationery
157	155	154	334	361	Other industry
16	16	14	43	35	Manufacture of sports goods
67	55	62	150	137	Manufacture of games and toys
355	362	359	827	835	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
87	86	84	179	192	Repair and maintenance of transport equipment except motorcycles and bicycles
268	276	274	648	643	Other industry
25,039	24,823	24,500	56,614	57,447	Total Manufacturing

Jadual **1.6a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : *Salaries and Wages Paid of Manufacturing Sector by Group (cont.)*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023						
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optil	41	40	44	41	39	42	40
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	111	104	107	97	101	102	104
27101	Pembuatan motor elektrik, penjana dan transformer	42	37	36	38	40	41	40
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	69	67	70	59	62	61	64
272/ 27200	Pembuatan bateri dan akumulator	43	46	45	42	47	43	46
273	Pembuatan pendawaian dan peranti pendawaian	95	94	89	84	90	95	91
27310	Pembuatan kabel gentian optikal	7	7	7	7	8	8	8
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	85	85	80	75	79	85	80
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	3	3	3	2	3	3	3
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	22	21	18	17	18	19	21
275/ 27500	Pembuatan perkakasan domestik	30	32	31	25	36	36	36
279/ 27900	Pembuatan kelengkapan elektrik lain	40	39	37	33	34	37	35
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	393	384	371	363	360	357	354
28120 & 28130	Pembuatan alat-alat kuasa bendalir	28	28	28	29	30	30	30
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	75	72	75	72	74	74	73
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	60	63	61	51	50	50	49
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	49 181	49 172	44 162	45 166	45 162	45 158	44 158
291 (29101 & 29102)	Pembuatan kenderaan bermotor	92	93	85	90	92	92	91
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	33	33	30	30	31	31	31
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	166	171	174	181	184	183	175
301 (30110 & 30120)	Pembinaan kapal dan bot	24	24	29	24	26	25	25
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	72	74	74	74	74	71	71
30910	Pembuatan motosikal	43	45	45	46	46	43	43
30920	Pembuatan basikal dan invalid carriages	10	10	11	10	10	10	9
	Industri lain	19	18	19	18	19	18	19
310	Pembuatan perabot	233	225	224	217	223	215	216
31001	Pembuatan perabot kayu dan rotan	190	182	181	174	185	178	177
	Industri lain	44	43	43	43	38	37	39
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	23	22	22	22	20	18	20
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	61	60	58	58	62	60	60
32901	Pembuatan alat tulis	12	13	12	12	12	12	12
	Industri lain	49	47	46	46	50	48	48
323/ 32300	Pembuatan barangan sukan	6	6	6	6	6	6	6
324/ 32400	Pembuatan permainan dan mainan	21	21	22	20	22	23	21
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	119	120	120	122	119	115	113
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	26	28	26	26	25	25	23
	Industri lain	93	92	93	96	94	90	90
Jumlah Pembuatan		8,183	8,164	8,170	8,017	8,100	8,049	7,932

2024												Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
41	42	42	43	45	44	45	49	44	42	44	42	Manufacture of optical instruments, photographic equipment, magnetic and optical media
103	102	100	97	112	109	104	103	101	110	111	112	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
42	43	44	43	43	46	41	41	38	43	44	45	Manufacture of electric motors, generators and transformers
61	59	56	55	69	63	64	61	63	67	67	66	Manufacture of electricity distribution and control apparatus
47	48	48	48	47	44	50	48	50	54	53	52	Manufacture of batteries and accumulators
92	90	87	82	79	80	78	77	68	78	77	81	Manufacture of wiring and wiring devices
8	8	8	7	8	7	7	7	8	8	9	9	Manufacture of fibre optic cables
82	79	76	72	68	70	67	67	57	67	65	69	Manufacture of other electronic and electric wires and cables
3	3	3	3	2	3	3	3	3	3	3	3	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
23	22	22	21	26	24	23	23	20	23	23	26	Manufacture of electric lighting equipment
36	34	33	32	33	32	32	32	25	29	29	28	Manufacture of domestic appliances
35	37	38	36	42	42	37	38	40	41	44	41	Manufacture of other electrical equipment
363	367	370	368	400	386	380	365	356	349	347	355	Manufacture of general-purpose and special-purpose machinery
31	30	31	29	37	20	20	19	19	20	20	20	Manufacture of fluid power equipment
												Manufacture of other pumps, compressors, taps and valves
												Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
75	76	75	77	82	74	75	68	67	69	69	72	Manufacture of metal-forming machinery and machine tools
48	49	49	50	55	58	63	61	51	51	51	51	Manufacture of air-conditioning machines, including for motor vehicles
36	37	39	38	42	44	41	40	41	39	40	39	Manufacture of other special-purpose machinery n.e.c.
173	175	177	174	185	190	181	177	178	170	168	173	Other industry
94	93	93	92	103	90	90	81	80	82	81	80	Manufacture of motor vehicles
35	36	36	36	38	36	36	33	34	34	34	35	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
171	172	173	174	191	172	176	176	195	197	195	188	Manufacture of parts and accessories for motor vehicles
25	26	26	28	29	29	28	32	29	30	30	30	Building of ships and boats
68	70	72	69	71	71	73	74	74	75	72	72	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
43	46	47	43	45	45	45	47	46	47	45	44	Manufacture of motorcycles
7	7	7	8	8	7	7	7	7	7	7	9	Manufacture of bicycles and invalid carriages
17	17	18	18	19	19	21	21	20	20	19	19	Other industry
218	226	226	226	237	237	229	228	221	226	217	217	Manufacture of furniture
178	185	184	184	194	194	188	187	180	185	177	175	Manufacture of wooden and cane furniture
40	41	42	42	42	43	42	41	41	41	40	42	Other industry
20	21	21	23	24	22	23	23	22	22	22	22	Manufacture of jewellery, bijouterie and related articles
62	63	63	63	68	64	64	64	63	64	63	65	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
13	13	12	12	12	12	12	12	12	12	12	13	Manufacture of stationery
48	50	51	51	56	51	52	52	52	52	51	53	Other industry
5	5	5	5	5	5	5	5	5	5	5	5	Manufacture of sports goods
22	23	22	20	25	18	18	20	21	21	21	20	Manufacture of games and toys
113	113	113	118	124	120	121	121	123	120	116	114	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
23	23	24	29	34	27	30	29	30	28	27	22	Repair and maintenance of transport equipment except motorcycles and bicycles
90	89	89	89	90	93	91	92	93	92	89	92	Other industry
8,001	8,135	8,146	8,149	8,744	8,350	8,243	8,230	8,112	8,191	8,198	8,124	Total Manufacturing

Jadual **1.6b** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
 Table : *Salaries and Wages Paid of Manufacturing Sector by Group: Annual Percentage Change*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023		2024		2023		2024		2023		
				Q1	Q2	Q3	Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	Jan.	Feb.	Mac
101	Pemprosesan dan pengawetan daging	1.8	17.9	17.2	22.0	21.7	11.6	0.01	-2.0	19.6	-0.5	16.1	17.3	18.5
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-1.7	6.0	6.0	6.6	7.8	3.6	0.03	-1.2	6.5	-0.7	3.6	7.2	7.3
	10201 Pengetinan ikan, krustasea dan moluska													
	& 10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	-3.0	7.4	8.3	8.7	10.7	2.2	-3.3	-4.2	8.9	-3.9	5.7	8.8	10.4
	Industri lain	3.6	0.3	-3.0	-1.7	-3.1	9.2	15.0	11.7	-2.9	13.7	-5.0	0.9	-4.7
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	8.8	17.9	18.5	23.8	16.8	12.6	2.8	-5.5	21.0	-1.6	15.3	19.7	20.6
	10303 Pengetinan nanas													
	& 10304 Pembuatan jem, marmalad dan sajian jeli	-25.2	39.3	56.6	54.8	29.4	20.9	-4.0	-8.1	52.0	-6.1	48.8	50.8	70.3
	Industri lain	12.0	16.6	16.4	22.0	15.9	12.0	3.3	-5.3	19.2	-1.3	13.5	17.8	17.8
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	6.6	7.9	8.5	7.8	7.8	7.5	5.7	8.7	8.0	7.4	9.8	8.5	7.3
	10404 Pembuatan minyak sayuran mentah dan bertapis													
	& 10406 Pembuatan sebatian lemak masakan	6.9	-0.1	5.5	1.9	-6.1	-1.2	-1.8	-3.0	1.4	-0.9	6.8	5.1	4.7
	10405 Pembuatan minyak kelapa	-2.9	22.9	11.5	11.2	34.0	36.3	14.9	11.0	14.3	11.2	14.0	10.5	10.2
	Industri lain	7.0	8.1	8.7	8.2	8.1	7.3	5.9	9.5	8.3	7.9	10.0	8.7	7.4
105	Pembuatan produk tenusu	8.9	5.3	1.8	2.3	3.6	13.9	9.8	6.5	1.7	9.8	-0.3	4.1	1.6
	10502 Pembuatan susu pekat, tepung dan sejat	10.0	5.1	2.3	2.8	1.9	13.6	10.2	6.1	1.8	10.1	-0.2	4.9	2.1
	Industri lain	0.8	7.4	-1.6	-1.7	18.4	16.3	6.0	9.6	0.4	7.2	-0.7	-2.2	-1.8
106	Pembuatan produk bijian, kanji dan produk berkanji	1.0	3.9	2.7	6.1	3.4	3.3	-6.1	-12.5	4.3	-9.7	0.5	4.4	3.2
	10611 Pengilangan beras	1.3	3.9	6.0	5.5	4.2	0.03	-6.20	-7.8	5.9	-7.5	-0.5	9.2	9.5
	10613 Pengilangan tepung	0.7	4.4	-0.7	7.1	3.2	8.0	-5.8	-18.9	2.9	-12.8	0.1	0.3	-2.5
	Industri lain	0.6	-0.1	1.7	3.2	-0.8	-4.3	-7.5	-2.8	2.1	-5.1	10.5	-2.6	-3.2
107	Pembuatan produk makanan lain	9.8	7.9	8.2	5.3	8.5	9.3	5.6	3.9	6.8	4.2	10.8	9.3	4.7
	10711 Pembuatan biskut dan cookies	17.0	14.3	12.6	10.9	16.8	16.8	6.2	5.5	12.7	5.7	12.6	15.1	10.2
	10712 Pembuatan roti, kek dan produk bakeri lain	-0.1	6.7	9.1	6.5	6.5	5.1	4.4	4.0	8.1	3.2	12.6	9.4	5.4
	10713 Pembuatan produk snek	13.5	7.9	12.3	3.0	6.0	10.3	12.8	18.7	6.9	16.0	6.2	19.1	12.4
	10721 Pembuatan gula	7.3	-11.9	-22.0	-17.3	-10.9	5.6	10.3	10.2	-18.9	10.2	-15.6	-17.9	-31.4
	10731 Pembuatan produk koko	13.2	4.9	-4.8	3.9	12.2	8.9	0.6	1.2	1.6	0.2	-8.9	2.8	-7.6
	10732 Pembuatan coklat dan produk coklat													
	& 10733 Pembuatan konfeksi gula	15.6	1.0	2.4	-7.1	1.1	7.4	2.4	2.5	-2.8	1.9	8.4	6.3	-6.4
	10793 Pembuatan sos dan bahan perasa	1.6	16.3	9.1	12.3	18.8	24.8	29.2	18.2	10.7	23.0	5.3	3.6	18.0
	10799 Pembuatan produk makanan lain t.t.t.l.	26.4	17.2	18.9	15.8	19.0	15.2	2.7	-3.0	17.3	-1.6	29.2	15.3	12.4
	Industri lain	10.3	4.3	6.4	2.7	4.3	3.8	-0.3	-1.2	4.2	-0.6	8.9	8.7	1.7
108/ 10800	Pembuatan makanan haiwan tersedia	1.5	7.6	7.2	6.4	8.1	8.4	-0.7	-2.2	7.0	-1.9	3.3	11.7	6.6
110	Pembuatan minuman ringan	4.8	7.7	6.9	8.3	8.5	7.2	6.7	7.2	7.8	7.1	7.9	4.0	9.0
	11041 Pembuatan minuman ringan	9.0	9.4	11.9	12.6	8.8	5.1	4.2	5.0	12.4	5.0	13.5	8.2	14.1
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-0.8	1.4	-5.5	-2.1	5.2	8.4	7.2	3.9	-3.6	5.5	-5.8	-7.6	-3.0
	Industri lain	-15.2	12.9	3.3	1.8	18.0	28.2	33.8	48.6	2.7	39.7	3.3	3.6	2.9
120/ 12000	Pembuatan produk tembakau	2.6	4.8	4.5	8.5	5.2	1.7	-3.5	-1.4	6.2	-1.8	3.8	4.1	5.6
131	Pemintalan, penenunan dan penyiapan tekstil	7.8	-2.5	-4.4	-2.1	-0.3	-3.0	1.5	4.7	-2.9	3.4	-1.2	-7.4	-4.6
	13110 Penyediaan dan pemintalan gentian tekstil													
	& 13120 Penenunan tekstil	7.2	0.3	-4.9	1.5	4.7	0.1	4.8	6.1	-0.6	5.3	0.7	-10.6	-4.8
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	9.5	-8.9	-3.6	-9.8	-12.0	-10.1	-5.8	1.6	-8.2	-0.9	-4.6	-1.2	-4.9
	Industri lain	1.5	1.4	-1.0	-3.8	10.8	0.03	-0.82	2.6	-0.4	0.1	-10.0	4.0	3.2
139	Pembuatan tekstil lain	-2.9	13.1	12.3	16.9	12.8	10.8	3.0	0.2	14.3	1.4	9.9	11.5	15.6
	13910 Pembuatan fabrik dikait dan dikrusye	-12.6	3.3	-5.4	10.6	6.3	2.3	0.9	-2.3	2.7	-1.0	-7.3	-7.7	-0.9
	Industri lain	2.0	17.5	20.5	19.6	15.5	14.5	3.8	1.2	19.5	2.4	18.0	20.9	22.8
141	Pembuatan pakaian, kecuali pakaian berbulu	5.9	5.8	6.0	8.5	5.6	3.4	2.7	1.5	7.0	2.0	6.1	5.7	6.3
	14102 Pembuatan pakaian	3.2	6.3	7.7	9.2	5.2	3.4	7.1	5.5	8.1	6.2	8.2	7.6	7.3
	Industri lain	12.1	4.8	2.7	7.0	6.4	3.4	-6.5	-6.7	4.9	-6.7	1.8	2.0	4.2
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1.9	-1.6	-5.5	-7.2	1.5	5.5	6.4	4.5	-6.5	5.0	-8.4	-3.3	-4.3
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	1.5	5.2	4.3	8.4	5.1	3.1	-0.2	4.6	7.1	3.0	3.0	4.1	6.0
152	Pembuatan kasut	7.6	6.5	6.0	6.1	6.9	7.1	2.7	0.6	6.4	1.7	5.0	7.0	6.1
	15201 Pembuatan kasut kulit													
	& 15203 Pembuatan kasut getah	9.1	2.8	5.8	4.6	2.0	-1.1	-6.6	-7.2	5.2	-6.6	4.4	6.7	6.3
	Industri lain	3.7	16.2	6.6	9.9	19.9	29.0	26.1	19.7	9.4	22.2	6.5	7.8	5.6
161/ 16100	Pengilangan dan pengetaman kayu	-5.0	1.1	-2.2	-1.6	3.7	4.7	2.0	6.5	-1.0	4.8	-3.5	-2.5	-0.5

2024																	Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.		
20.9	21.0	24.0	20.0	20.7	24.3	24.2	13.6	-0.4	-1.8	0.2	1.7	-1.9	-1.3	-2.9	3.0	Processing and preserving of meat	
4.6	7.4	7.9	7.6	7.5	8.3	3.9	2.6	4.3	0.9	0.1	-1.0	-1.0	-1.2	-1.6	-1.0	Processing and preserving of fish, crustaceans and molluscs Canning of fish, crustaceans and molluscs	
6.5	10.5	9.1	11.2	10.6	10.4	4.3	0.7	1.8	-2.3	-2.9	-4.9	-3.9	-4.3	-4.4	-4.8	Processing, curing and preserving of fish, crustacean and molluscs	
-2.9	-4.5	2.6	-5.9	-3.6	0.3	2.2	10.6	15.5	15.0	13.3	16.7	12.1	12.6	10.4	16.1	Other industry	
25.0	23.2	23.4	20.0	14.7	15.6	14.5	13.0	10.2	6.4	-0.6	2.8	-3.2	-6.4	-6.8	-2.3	Processing and preserving of fruits and vegetable Pineapple canning	
69.3	55.1	42.3	32.9	28.7	26.6	22.1	22.6	18.2	7.2	-8.7	-9.0	-7.4	-8.5	-8.5	-6.0	Manufacture of jams, marmalades and table jellies	
22.6	21.3	22.2	19.1	13.8	14.9	14.0	12.4	9.7	6.4	-0.02	3.8	-2.9	-6.3	-6.7	-2.0	Other industry	
9.2	8.4	6.0	6.8	7.7	9.1	9.1	7.9	5.7	5.3	7.0	4.7	8.1	9.5	8.5	8.4	Manufacture of vegetable and animal oils and fats Manufacture of crude and refined vegetable oil	
4.7	1.4	-0.2	-11.2	-5.5	-1.4	0.8	-2.6	-1.9	-2.4	-2.2	-1.0	-2.2	-3.0	-3.9	8.9	Manufacture of compound cooking fats	
11.6	11.3	10.7	32.9	32.9	36.2	39.0	36.8	33.1	12.0	12.9	19.7	9.7	12.2	11.0	2.1	Manufacture of coconut oil	
9.5	8.9	6.3	7.4	7.9	9.0	8.8	7.8	5.5	5.6	7.5	4.6	8.8	10.4	9.4	8.6	Other industry	
0.6	-1.1	7.8	-0.8	3.5	8.3	9.3	8.4	24.0	22.9	-1.0	8.0	8.7	8.0	2.9	20.6	Manufacture of dairy products Manufacture of condensed, powdered and evaporated milk	
1.7	-1.4	8.6	-2.6	1.8	6.4	8.3	6.7	25.9	25.9	-2.4	8.3	8.4	8.0	2.0	23.0	Other industry	
-7.7	1.0	1.8	14.0	17.5	24.0	17.1	21.6	10.3	1.4	10.7	6.4	11.0	7.8	10.0	3.2	Other industry	
4.3	4.4	9.5	3.9	0.6	5.8	4.6	1.7	3.4	2.7	-11.0	-10.0	-12.1	-10.0	-15.3	-11.8	Manufacture of grain mill products, starches and starch products Rice milling	
5.6	6.6	4.4	6.9	2.1	3.5	2.7	-0.8	-1.9	-1.4	-8.9	-8.0	-8.9	-7.1	-7.3	-10.5	Flour milling	
3.5	2.6	15.4	1.2	-0.9	9.8	8.2	5.8	9.9	9.8	-14.2	-13.6	-16.9	-14.4	-24.7	-14.2	Other industry	
1.2	1.5	7.1	0.5	-0.01	-2.8	-4.5	-6.2	-2.4	-12.8	-6.3	-2.3	-2.8	-2.8	-3.0	-4.7	Other industry	
5.7	6.3	3.9	7.4	8.7	9.5	10.0	8.5	9.4	6.0	5.7	5.1	5.1	3.4	3.1	1.4	Manufacture of other food products Manufacture of biscuits and cookies	
11.1	12.6	9.1	18.5	15.6	16.4	16.9	16.0	17.5	7.5	5.6	5.3	6.2	6.0	4.4	5.2	Manufacture of bread, cakes and other bakery products	
8.0	6.7	4.8	10.2	8.7	1.1	4.1	4.6	6.5	2.4	7.6	3.1	5.4	2.4	4.2	-2.0	Manufacture of snack products	
7.3	2.9	-0.8	3.2	6.2	8.7	10.9	9.4	10.6	13.9	11.1	13.5	16.0	19.6	20.6	17.6	Manufacture of sugar	
-19.9	-15.6	-16.6	-13.5	-10.7	-8.4	-9.1	-1.1	34.2	3.5	9.2	18.8	12.7	7.1	11.1	9.9	Manufacture of cocoa products	
-2.6	9.3	6.5	15.2	11.3	10.2	8.7	7.5	10.5	12.7	-8.3	-2.3	-1.1	-1.2	6.3	-4.0	Manufacture of chocolate and chocolate products	
-5.8	-6.2	-9.2	-5.2	-0.1	8.7	10.4	11.0	1.8	5.4	0.8	1.0	4.2	2.0	1.5	-1.8	Manufacture of sugar confectionery	
17.2	10.6	9.2	11.2	19.3	25.8	24.6	24.4	25.3	27.1	35.3	25.9	19.7	19.8	15.0	19.4	Manufacture of sauces and condiments	
11.6	19.4	16.3	17.2	19.4	20.4	17.3	11.1	17.3	6.2	-0.7	2.3	1.9	-4.3	-6.2	-10.5	Manufacture of other food products n.e.c.	
2.5	3.9	1.7	2.5	3.6	6.7	6.4	3.2	1.9	0.3	-0.6	-0.5	-1.0	-1.0	-1.5	0.04	Other industry	
5.0	8.2	6.1	8.3	6.7	9.3	10.9	14.2	1.7	10.6	-6.8	-5.3	-1.4	-4.6	-0.4	-4.4	Manufacture of prepared animal feeds	
7.8	8.4	8.7	9.2	7.9	8.4	8.8	8.4	4.7	6.6	6.4	7.1	7.3	6.1	8.3	8.1	Manufacture of beverages Manufacture of soft drinks	
12.1	12.3	13.3	13.6	7.0	6.1	6.5	6.9	2.4	4.1	3.8	4.7	5.2	3.3	6.6	7.2	Production of natural mineral waters and other bottled waters	
-2.2	-2.3	-1.9	-1.8	7.6	9.8	10.6	7.9	6.9	8.5	8.6	4.4	3.7	4.1	4.0	4.6	Other industry	
0.5	6.2	-1.0	3.7	18.8	31.2	29.0	29.5	26.4	28.9	27.5	46.6	49.7	49.3	46.8	32.9	Manufacture of tobacco products	
9.7	8.3	7.6	5.3	5.1	5.2	4.0	1.1	0.5	-0.9	-5.8	-3.8	-2.6	-2.9	1.4	2.9	Spinning, weaving and finishing of textiles Preparation and spinning of textile fibres	
-2.5	-1.5	-2.4	-0.6	1.2	-1.4	-3.0	-2.6	-3.3	1.8	1.8	0.8	4.7	4.8	4.5	4.9	Weaving of textiles	
-0.1	2.7	1.8	6.6	6.9	0.7	-0.9	-0.1	1.1	5.5	6.4	2.6	7.5	5.3	5.5	4.2	Dyeing, bleaching, printing and finishing of yarns and fabrics	
-7.0	-10.1	-12.0	-17.0	-11.8	-7.1	-8.7	-8.5	-13.0	-6.6	-7.5	-3.3	-2.0	3.5	3.3	7.7	Other industry	
-10.4	-7.8	7.5	12.3	12.4	7.9	4.6	-2.2	-2.3	-0.9	-0.5	-1.1	8.1	8.2	-7.3	-4.4	Manufacture of other textiles Manufacture of knitted and crocheted fabrics	
17.1	16.8	16.7	12.8	12.8	12.9	12.8	9.5	10.1	3.4	2.0	3.6	-0.02	0.4	0.3	0.5	Other industry	
10.6	9.6	11.6	5.1	6.8	7.2	6.4	0.5	0.1	1.6	-4.5	5.8	-2.3	-2.4	-2.0	-2.7	Manufacture of wearing apparel, except fur Manufacture of clothings	
19.9	20.0	18.9	16.0	15.3	15.2	15.6	13.5	14.5	4.1	4.5	2.8	0.9	1.5	1.2	1.7	Other industry	
8.0	7.1	10.5	6.0	4.9	5.9	5.7	4.0	1.0	2.2	2.8	3.2	1.9	1.5	1.1	1.4	Manufacture of articles of fur, knitted and crocheted apparel	
10.2	7.6	9.9	6.3	4.6	4.7	4.6	4.9	1.2	5.3	7.3	8.7	5.9	5.4	5.3	5.8	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur	
3.8	6.1	11.6	5.3	5.6	8.4	8.0	2.1	0.4	-4.7	-6.6	-8.1	-6.6	-6.5	-7.0	-7.6	Manufacture of footwear Manufacture of leather footwear	
-3.2	-8.8	-9.4	-7.3	6.1	6.8	6.5	8.1	2.1	0.4	9.7	9.6	7.4	3.0	3.1	2.2	Manufacture of rubber footwear	
8.4	8.2	8.6	11.8	1.8	2.2	4.3	0.7	4.3	-0.7	-0.8	1.0	2.4	3.0	8.5	7.5	Other industry	
3.5	6.4	8.4	8.4	5.9	6.5	7.2	8.9	5.2	4.0	3.2	0.9	2.1	1.3	-1.8	2.1	Sawmilling and planning of wood	
3.3	4.3	6.3	4.9	0.6	0.6	1.1	0.9	-5.2	-5.7	-5.3	-8.8	-7.3	-7.5	-6.8	-4.6		
4.0	12.1	14.0	17.4	19.8	22.3	23.1	29.4	34.4	28.9	24.6	24.8	25.5	22.7	10.8	17.8		
-1.5	-1.0	-2.3	4.6	3.5	2.8	5.3	5.6	3.1	0.4	0.5	5.3	6.4	6.2	7.1	8.2		

Jadual **1.6b** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : *Salaries and Wages Paid of Manufacturing Sector by Group: Annual Percentage Change*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh			2023				2024		2023		2024		2023	
		2022	2023												
				Q1	Q2	Q3	Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	Jan.	Feb.	Mac	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	7.9	5.8	5.9	6.1	5.9	5.4	2.6	3.4	5.9	3.1	4.1	7.2	6.5	
16211	Pembuatan kepingan venier dan papan lapis	7.9	3.4	3.0	5.0	3.9	2.1	3.9	6.8	4.3	5.5	0.4	4.6	3.9	
16212	Pembuatan papan partikel dan papan gentian	19.0	8.0	8.2	2.0	8.3	13.8	6.3	-1.6	5.0	0.9	9.1	9.8	5.6	
16221	Pertukangan kayu untuk jurubina	5.3	11.6	14.3	14.8	12.2	5.4	-6.8	-4.6	13.9	-4.3	14.2	14.4	14.2	
	Industri lain	2.5	3.6	1.9	1.5	2.1	8.8	8.6	9.1	1.5	8.7	-2.3	3.4	4.9	
170	Pembuatan kertas dan produk kertas	4.1	2.3	4.7	1.4	1.3	1.6	1.1	0.4	2.7	0.8	4.1	5.0	4.9	
17010	Pembuatan pulpa, kertas dan kertas tebal	12.1	-20.6	-9.5	-26.6	-26.4	-19.8	-5.1	4.0	-19.7	-1.2	-14.5	-4.3	-9.8	
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	3.9	9.5	12.9	9.7	9.0	6.7	4.4	0.6	11.2	1.7	10.2	14.3	14.4	
17091	Pembuatan sampul surat dan kad surat	-8.9	-1.6	-1.7	-0.2	-5.1	0.8	2.9	2.5	-1.7	3.2	-6.2	-1.2	2.6	
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	8.3	6.0	10.9	4.2	1.9	6.5	1.1	2.8	6.0	4.0	20.0	6.2	8.3	
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-12.4	-8.1	-13.5	-4.7	-3.5	-9.6	-10.2	-10.7	-8.2	-9.9	-12.3	-14.0	-14.3	
	Industri lain	14.3	11.7	8.0	10.6	14.3	13.9	6.6	3.3	9.7	4.1	6.1	8.7	9.3	
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	4.2	6.3	4.8	7.3	7.8	5.2	4.9	5.9	6.2	5.6	5.1	4.5	4.7	
18110	Percetakan	4.7	6.4	5.1	7.3	7.7	5.7	5.3	5.6	6.4	5.6	5.3	5.1	5.0	
18120 &	Aktiviti perkhidmatan berkaitan percetakan														
18200	Penerbitan semula media rakaman	1.2	5.2	2.8	7.8	8.1	2.5	2.8	7.7	5.6	5.9	4.0	1.3	3.1	
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	1.6	5.9	7.7	7.1	2.6	6.1	0.8	0.2	6.8	0.7	8.1	7.3	7.6	
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	4.7	0.5	8.0	1.8	-4.3	-3.4	-10.7	-9.3	3.7	-9.6	9.0	6.1	8.9	
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	31.2	21.3	23.0	12.5	20.1	29.4	-6.2	-8.8	18.3	-7.4	7.6	26.9	34.2	
20112 &	Pembuatan kimia organik asas														
20113	Pembuatan sebatian bukan organik	7.0	-2.5	9.0	1.2	-10.7	-9.0	-23.6	-20.0	3.2	-21.9	10.6	6.5	10.0	
20121 &	Pembuatan baja														
20129	Pembuatan produk campuran nitrogen	-9.4	-7.6	-6.8	-1.8	-7.7	-14.1	-10.7	-13.6	-4.8	-11.5	6.4	-13.2	-11.8	
20131	Pembuatan plastik dalam bentuk primer	-2.3	3.5	6.4	2.1	3.3	2.4	14.6	12.2	4.0	14.3	5.6	5.7	7.8	
	Industri lain	15.0	-9.0	9.0	-10.0	-18.0	-15.8	-13.5	-3.3	-3.8	-7.2	20.5	6.0	1.2	
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	0.4	3.2	0.3	3.5	5.9	3.3	6.2	4.3	2.1	4.8	-0.9	2.7	-0.9	
20210	Pembuatan racun perosak dan produk agrokimia lain	7.7	17.4	6.8	22.6	20.1	20.6	16.8	11.2	16.2	13.4	-1.5	10.5	11.2	
20221	Pembuatan cat, varnis dan penyadur dan mastik	6.2	16.1	7.7	18.8	24.7	14.9	12.4	12.8	13.4	12.8	-3.5	22.3	5.6	
20222	Pembuatan dakwat cetak	-15.5	-10.3	-13.1	-8.3	-7.2	-12.5	-14.9	-18.0	-10.0	-17.3	-13.3	-13.7	-12.2	
20231 &	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat														
20232	Pembuatan pewangi dan penyediaan dandanan diri	-6.4	6.2	2.9	10.7	10.7	1.5	-2.5	-2.1	7.3	-2.4	2.8	5.1	0.7	
20291 &	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials														
20292 &	Pembuatan dakwat menulis dan melukis														
20299	Pembuatan produk kimia lain t.t.t.l.	8.5	-4.8	-4.0	-11.3	-5.1	0.7	16.3	12.1	-8.2	13.1	0.2	-6.1	-6.2	
	Industri lain	6.2	-12.7	2.6	-4.7	-18.7	-30.3	-31.7	-30.4	-1.0	-30.6	2.9	8.9	-4.1	
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	10.0	1.9	4.6	0.7	0.9	1.9	1.4	0.6	2.3	0.9	6.7	3.2	3.8	
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	9.6	-0.9	3.9	-1.2	-2.8	-2.9	-1.7	-1.1	0.7	-1.2	6.4	2.7	2.6	
	Industri lain	11.3	13.1	7.1	7.9	14.7	21.9	13.1	6.6	8.4	8.5	7.7	5.1	8.5	
221	Pembuatan produk getah	0.0	-1.4	0.5	-5.7	-1.2	1.1	1.9	-1.6	-2.9	-0.6	-3.7	2.4	3.0	
22111	Pembuatan tayar getah untuk kenderaan	8.0	25.7	41.6	23.4	20.8	20.0	-10.2	-27.7	30.1	-20.9	44.6	58.7	24.3	
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	16.1	27.3	25.3	23.6	29.3	30.6	26.6	25.1	24.9	25.7	17.5	28.2	29.8	
22191 &	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan														
22193	Pengilangan semula getah dan prosesan susu getah	8.0	4.4	6.3	3.4	0.4	7.7	5.8	5.7	4.4	5.9	5.3	5.5	8.0	
22192	Pembuatan sarung tangan getah	-3.5	-8.6	-8.2	-14.8	-7.0	-3.9	5.8	2.6	-12.0	3.1	-14.9	-4.6	-4.8	
22199	Pembuatan produk getah lain yang t.t.t.l.	-2.7	-4.0	-3.1	-5.4	-1.2	-6.4	-8.3	-8.5	-3.5	-8.8	-5.6	-7.6	4.2	
222	Pembuatan produk plastik	4.8	2.7	8.0	2.3	-0.3	1.1	0.7	1.6	4.4	1.7	10.8	8.8	4.7	
22201 &	Pembuatan produk plastik separa siap														
22202	Pembuatan produk plastik siap	3.3	0.9	14.0	1.7	-3.8	-6.7	-9.6	-9.8	5.8	-9.7	20.3	19.7	2.7	
22203	Pembuatan artikel plastik untuk pembungkusan barangan	16.0	19.5	36.8	27.4	15.6	1.9	-4.1	-3.7	31.0	-3.2	37.1	36.6	36.7	
22204	Pembuatan barangan plastik jurubina	5.4	17.5	16.9	25.8	15.9	11.4	6.7	-7.9	22.3	-1.6	13.2	18.3	19.2	
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	4.9	-2.3	-1.7	-1.9	-4.1	-1.5	2.2	5.3	-2.3	4.6	-1.1	-0.7	-3.2	
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-0.5	-6.8	-13.7	-14.6	-7.6	9.6	17.8	20.7	-13.9	19.9	-11.4	-15.4	-14.3	
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	19.1	3.6	9.5	6.4	3.1	-3.8	0.1	6.5	7.4	3.5	12.0	9.4	7.1	

2024																Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
6.3	6.1	5.8	5.6	6.4	5.8	5.9	6.1	4.3	4.3	1.7	1.8	3.4	3.3	3.4	4.0	Manufacture of products of wood, cork, straw and plaiting materials
5.4	5.6	4.1	5.9	3.6	2.1	2.9	2.9	0.5	7.9	2.5	1.2	6.4	6.6	7.5	6.5	Manufacture of veneer sheets and plywood
4.0	4.2	-2.2	4.3	10.5	10.1	11.5	15.9	14.0	5.2	5.4	8.4	-2.6	-1.1	-0.9	-8.5	Manufacture of particle board and fibreboard
14.6	12.6	17.2	10.2	13.6	12.8	9.2	9.7	-2.1	-7.4	-7.1	-5.8	-4.8	-4.4	-4.6	4.0	Manufacture of builders' carpentry
0.6	0.7	3.3	-0.2	1.8	4.7	6.4	3.2	16.8	9.7	8.5	7.6	12.4	8.4	6.5	8.0	Other industry
1.8	1.7	0.8	0.7	1.1	2.1	3.2	1.3	0.5	2.3	0.3	0.8	0.4	0.3	0.6	1.0	Manufacture of paper and paper products
-15.4	-30.3	-33.3	-28.6	-26.5	-23.9	-21.4	-21.4	-16.3	-3.4	-9.0	-2.6	1.4	8.1	2.8	-2.8	Manufacture of pulp, paper and paperboard
9.0	10.8	9.2	11.0	7.6	8.6	9.9	6.2	4.2	4.6	4.3	4.2	1.4	-1.5	1.9	-2.8	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
2.9	-1.6	-1.9	-6.0	-5.4	-3.9	-1.1	2.8	0.8	3.2	1.0	4.3	2.7	2.0	2.8	6.7	Manufacture of envelopes and letter-card
-0.9	7.2	6.7	-4.0	4.7	5.2	7.3	6.8	5.6	6.3	-0.9	-1.7	1.4	4.6	2.3	19.2	Manufacture of household and personal hygiene paper
-5.8	-4.4	-4.0	-0.5	-2.9	-7.0	-8.2	-9.9	-10.7	-11.5	-9.3	-9.8	-10.3	-10.6	-11.2	-6.5	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
9.6	9.5	12.9	12.3	13.3	17.4	18.2	16.1	8.5	6.7	7.4	5.6	3.8	4.0	2.2	-0.6	Other industry
6.6	8.2	7.1	7.4	8.0	7.9	5.5	4.7	5.4	0.1	8.9	5.8	6.3	5.2	6.3	7.1	Printing, service activities related to printing and reproduction of recorded media
7.3	8.0	6.5	7.3	7.8	8.1	5.3	5.6	6.2	-0.02	9.7	6.3	6.0	4.7	6.2	6.6	Printing
3.0	9.6	10.8	8.2	8.8	7.1	6.8	0.1	0.9	0.7	4.9	3.1	8.0	8.1	7.0	10.3	Service activities related to printing
																Reproduction of recorded media
8.3	8.0	5.1	2.8	4.1	1.1	6.0	6.3	6.1	0.1	1.8	0.6	0.4	-1.1	1.2	1.9	Manufacture of refined petroleum products
6.9	-0.5	-1.2	-3.1	-4.5	-5.4	-4.3	-3.4	-2.5	-7.7	-10.6	-13.8	-10.1	-8.2	-9.5	-7.1	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
12.3	15.6	9.8	21.1	16.2	23.0	24.9	32.3	31.3	9.9	-10.5	-14.9	-9.1	-8.7	-8.4	-6.9	Manufacture of liquefied or compressed inorganic industrial or medical gases
																Manufacture of basic organic chemicals
10.1	-3.5	-3.0	-7.7	-10.8	-13.6	-12.0	-8.2	-6.8	-23.0	-22.6	-25.1	-19.1	-19.1	-21.9	-22.0	Manufacture of inorganic compounds
																Manufacture of fertilizers
-0.6	-2.2	-2.5	-7.7	-6.9	-8.5	-9.0	-12.6	-20.0	-13.4	-10.9	-7.8	-13.2	-13.5	-14.1	-7.6	Manufacture of associated nitrogen products
2.6	2.7	1.0	2.3	3.7	4.0	4.2	-0.4	3.4	22.1	15.5	7.2	7.8	13.1	15.8	20.0	Manufacture of plastics in primary forms
0.6	-15.8	-14.7	-21.5	-17.3	-15.1	-14.3	-19.9	-13.5	-12.5	-13.5	-14.5	-2.4	-4.3	-3.4	3.8	Other industry
2.6	3.6	4.2	4.1	6.6	7.0	7.2	4.7	-1.2	2.7	6.6	9.3	7.3	2.1	3.6	2.0	Manufacture of other chemical products and man-made fibres
10.0	26.3	33.5	25.9	19.6	14.9	22.0	17.3	22.7	20.1	20.7	11.0	11.0	11.3	11.4	11.0	Manufacture of pesticides and other agrochemical products
14.1	21.8	20.9	16.8	30.8	26.5	21.6	17.1	7.3	9.5	13.7	13.9	13.4	10.5	14.4	14.2	Manufacture of paints, varnishes and similar coatings ink and mastics
-12.6	-5.9	-6.1	-5.2	-7.4	-9.0	-11.4	-11.2	-14.6	-15.7	-11.0	-17.9	-10.1	-23.9	-20.0	-22.9	Manufacture of printing ink
																Manufacture of soap and detergents, cleaning and polishing preparations
11.3	10.6	10.2	12.8	11.3	8.1	6.7	3.0	-3.9	-5.8	-5.1	3.3	-3.9	-1.4	-0.8	-3.1	Manufacture of perfumes and toilet preparations
																Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
-8.2	-13.0	-12.7	-11.2	-5.1	1.7	4.0	3.2	-4.1	8.7	18.8	22.5	21.7	6.8	7.5	6.0	Manufacture of writing and drawing ink
																Manufacture of other chemical products n.e.c.
-3.2	-4.6	-6.2	-0.2	-26.2	-30.0	-33.5	-28.4	-28.9	-32.4	-33.2	-29.1	-29.9	-31.3	-29.9	-28.2	Other industry
1.1	0.6	0.3	0.8	1.2	0.6	0.7	2.3	2.5	1.4	0.8	1.9	0.7	0.3	0.9	0.3	Manufacture of pharmaceuticals, medicinal chemical and botanical products
0.5	-2.2	-1.9	-2.6	-2.2	-3.7	-5.2	-2.3	-1.3	-1.1	-2.1	-2.0	-2.1	-1.0	0.1	-0.4	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
3.3	11.6	8.8	13.4	13.6	17.1	25.5	20.1	20.2	11.2	11.6	16.6	11.4	5.0	3.5	2.2	Other industry
-0.9	-6.2	-9.1	-3.7	-0.2	0.4	1.7	1.0	0.6	5.2	0.9	-0.3	-2.0	-1.8	-1.0	-4.4	Manufacture of rubber products
41.2	17.6	14.2	22.2	19.9	20.4	20.4	19.6	20.1	-1.5	-13.7	-16.2	-31.4	-29.1	-22.6	-30.8	Manufacture of rubber tyres for vehicles
22.2	26.1	22.4	27.6	29.9	30.4	28.2	30.7	33.1	32.1	23.9	24.4	26.9	24.4	24.2	25.1	Manufacture of interchangeable tyre treads and retreading rubber tyres
																Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
6.9	4.1	-0.7	2.0	-0.5	-0.1	8.6	7.8	6.7	12.1	0.5	4.9	1.5	6.7	9.2	6.5	Rubber remilling and latex processing
-9.9	-15.9	-17.7	-12.6	-4.3	-3.8	-3.8	-4.7	-3.2	7.9	5.0	4.7	5.0	1.1	2.0	-2.1	Manufacture of rubber gloves
-7.5	-3.6	-5.0	1.3	-2.8	-2.0	-3.8	-4.3	-11.0	-7.7	-3.5	-13.4	-8.8	-5.3	-11.5	-10.7	Manufacture of other rubber products n.e.c.
4.7	1.4	0.9	0.7	-1.1	-0.5	0.4	3.0	-0.1	0.9	1.6	-0.4	0.8	2.1	2.0	4.5	Manufacture of plastics products
																Manufacture of semi-manufactures of plastic products
5.4	-1.6	1.5	-4.3	-4.5	-2.7	-4.7	-3.3	-11.7	-9.9	-10.1	-8.8	-10.6	-9.0	-9.7	-9.8	Manufacture of finished plastic products
29.5	27.4	25.3	27.1	9.7	10.0	1.3	2.3	2.2	-0.7	0.2	-10.5	-3.5	-3.4	-4.3	0.6	Manufacture of plastic articles for the packing of goods
18.5	29.1	30.1	27.1	9.9	10.7	10.9	10.9	12.4	12.5	3.4	4.5	-0.8	-13.9	-8.5	-4.7	Manufacture of builders' plastics ware
-2.3	-2.1	-1.4	-5.4	-2.4	-4.6	-1.1	-1.8	-1.5	1.3	1.7	3.5	3.7	5.9	6.4	10.0	Manufacture of plastic tableware, kitchenware and toilet articles
-12.5	-14.4	-16.8	-12.4	-5.3	-5.0	5.3	11.6	11.9	15.6	18.4	19.5	18.8	21.7	21.8	23.4	Manufacture of diverse plastic products n.e.c.
7.9	4.5	7.0	4.4	4.9	0.1	-1.4	-3.9	-5.8	-5.5	0.05	6.3	8.3	5.4	5.8	5.1	Manufacture of glass and glass products

Jadual **1.6b** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : *Salaries and Wages Paid of Manufacturing Sector by Group: Annual Percentage Change*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2023		2024		2023	
				Q1	Q2	Q3	Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	Jan.	Feb.	Mac	
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	3.5	2.2	0.1	0.1	2.7	5.8	6.3	3.9	0.3	4.8	2.1	-0.2	-1.5	
23911 & 23921	Pembuatan mortar refraktori dan konkrit	-14.7	2.9	1.1	2.9	3.3	4.2	17.7	7.8	1.7	11.1	3.4	-0.2	0.3	
23930	Pembuatan produk porselin dan seramik lain	7.4	-14.1	-15.2	-18.1	-12.5	-10.3	-9.0	1.9	-16.1	-2.1	5.0	-27.0	-22.3	
23941	Pembuatan simen hidrolik	-3.3	5.6	5.1	7.1	6.9	3.2	-8.0	-18.4	6.3	-12.9	2.1	8.0	5.6	
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	7.5	-3.8	-3.4	-6.7	-5.2	-0.01	7.80	9.0	-5.2	8.3	-1.3	0.02	-8.6	
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	2.1	5.1	0.9	3.3	6.5	9.7	5.6	2.6	2.5	3.6	3.2	-1.9	1.3	
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	11.4	9.8	6.1	6.5	11.2	15.0	11.2	9.1	6.3	9.9	3.5	8.4	6.4	
	Industri lain	12.0	-1.9	-1.0	-4.7	-2.9	0.9	6.2	5.8	-2.9	6.0	0.9	0.7	-4.4	
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	7.2	1.2	1.5	0.7	1.9	0.5	-0.1	-0.8	1.2	-0.4	3.7	2.0	-1.0	
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	-1.9	5.1	7.9	7.9	3.1	1.6	4.2	10.4	7.7	7.8	3.4	8.3	12.5	
243	Pengacuan logam	0.4	-4.3	-3.7	-2.0	-6.8	-4.9	0.7	-1.4	-3.7	0.0	1.6	-7.1	-5.6	
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	0.7	4.8	4.1	6.0	6.2	2.9	6.7	2.5	5.2	4.6	1.2	4.7	6.6	
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	-4.4	5.9	5.7	9.2	9.3	-0.3	-2.6	-5.3	7.9	-4.1	0.3	6.7	10.6	
25120	Pembuatan produk struktur logam lain														
	Pembuatan tangki, takungan dan kontena daripada logam	9.3	3.5	1.3	2.5	2.4	7.8	22.1	15.3	1.8	18.7	1.2	1.5	1.3	
	Industri lain	-1.0	4.0	6.0	3.5	5.2	1.6	1.8	-1.6	4.4	0.1	5.7	5.9	6.3	
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	3.7	5.8	4.1	4.4	6.2	8.4	7.5	11.4	4.3	9.4	1.8	6.3	4.3	
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-1.8	-1.4	-5.0	-5.3	0.8	4.2	3.9	6.2	-4.5	5.2	-3.5	-5.7	-5.8	
25920	Rawatan dan penyalutan logam; menggunakan mesin	1.3	-4.8	-2.9	-4.7	-5.0	-6.6	1.1	3.8	-3.3	2.1	-2.9	-2.3	-3.6	
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	13.4	16.8	19.8	16.7	16.5	14.7	16.2	20.5	18.0	19.1	21.1	22.3	16.0	
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	14.2	10.2	5.1	12.6	10.4	13.0	17.3	16.7	8.6	16.4	0.03	8.1	7.3	
25994	Pembuatan bolt, skru, nat dan produk uliran seumpamanya														
25999	Pembuatan barangan rumah daripada logam	-7.2	0.3	1.2	-5.3	-1.0	6.6	9.9	10.4	-2.6	9.4	-0.6	6.1	-1.5	
	Pembuatan produk lain yang direka daripada logam t.t.t.l.	5.0	5.7	10.3	2.3	3.2	6.9	-0.6	11.6	5.6	5.6	10.6	11.2	9.0	
	Industri lain	-29.1	13.4	-10.2	11.7	27.2	32.5	2.4	-4.1	2.0	-0.5	-32.6	7.0	1.2	
261	Pembuatan komponen dan papan elektronik	3.5	0.4	1.5	3.2	-1.2	-1.7	-7.5	-8.6	1.8	-7.8	-0.3	0.4	4.4	
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	1.8	0.6	1.2	1.1	0.9	-0.8	-5.0	-7.3	1.1	-5.9	-1.3	-0.2	5.2	
26103 & 26104 & 26105	Pembuatan litar elektronik bersepadu dengan pemasangan mikro														
	Pembuatan kapasitor dan perintang elektrik														
	Pembuatan papan litar bercetak	7.2	0.3	2.3	7.9	-5.2	-3.6	-13.3	-12.1	3.4	-12.9	1.9	1.1	3.9	
	Pembuatan komponen paparan														
26109	Pembuatan komponen lain untuk aplikasi elektronik	2.4	-0.9	-0.7	0.9	-4.3	0.3	2.0	-0.4	0.3	1.7	-1.1	3.2	-3.9	
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	5.7	3.1	0.9	0.9	4.7	5.9	5.1	5.8	1.7	6.9	0.6	7.8	-5.6	
263/ 26300	Pembuatan peralatan komunikasi	18.5	-0.7	8.7	0.8	-4.8	-7.1	-6.1	1.9	3.0	-0.2	10.8	8.1	7.3	
264/ 26400	Pembuatan peralatan elektronik pengguna	17.7	-0.2	-0.1	-4.9	-1.2	5.1	-5.5	-20.1	-2.5	-16.6	-1.9	-4.0	5.8	
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	44.8	21.3	20.8	29.5	23.7	12.9	26.5	26.5	26.0	26.8	21.4	23.5	17.9	
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	48.2	22.4	22.2	31.3	24.6	13.5	28.5	27.7	27.5	28.5	23.4	25.1	18.5	
26520	Pembuatan kelengkapan kawalan proses perindustrian														
	Pembuatan jam tangan dan jam dan bahagiannya	11.3	6.8	6.6	6.1	11.3	3.1	2.4	6.2	7.6	3.0	2.9	6.6	10.7	
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	4.5	-1.2	7.2	4.3	-8.0	-7.8	2.5	-1.8	3.9	2.4	7.2	12.9	2.0	

2024																Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
-1.5	1.1	0.8	0.9	2.5	4.6	4.4	6.4	6.6	5.9	6.9	6.1	6.1	3.0	2.6	3.2	Manufacture of non-metallic mineral products
																Manufacture of refractory mortars and concretes
3.1	-0.5	6.2	-0.5	4.6	5.8	4.6	2.4	5.3	15.0	19.8	18.2	13.5	7.1	3.1	3.0	Manufacture of non-refractory ceramic
-17.9	-17.2	-19.3	-12.6	-12.3	-12.5	-13.8	-10.3	-6.8	-24.3	0.7	1.5	0.5	2.4	2.9	7.1	Manufacture of other porcelain and ceramic products
5.2	8.3	7.8	7.2	8.5	5.0	3.5	3.7	2.3	1.7	-13.3	-13.2	-16.7	-19.1	-19.2	-10.9	Manufacture of hydraulic cement
-8.9	-5.3	-5.8	-6.3	-7.5	-1.9	-4.5	2.7	2.0	6.2	6.1	11.1	11.1	7.9	8.1	7.7	Manufacture of ready-mix and dry-mix concrete and mortars
																Manufacture of precast concrete, cement or artificial stone articles for use in construction
2.6	4.6	2.6	4.9	6.4	8.1	8.6	9.6	10.9	5.9	6.5	4.5	3.7	2.1	2.2	0.9	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
																Manufacture of other articles of concrete, cement and plaster n.e.c.
6.8	6.9	5.9	6.1	13.3	14.1	15.6	17.3	12.5	13.5	13.3	7.0	13.6	6.2	8.0	7.9	Manufacture of other non-metallic mineral products n.e.c.
-10.9	-2.0	0.1	-3.1	-4.4	-1.1	1.0	-0.5	2.1	4.3	7.3	7.0	7.7	7.4	2.2	6.2	Other industry
-0.2	2.3	-0.01	1.9	2.4	1.4	0.7	0.3	0.7	2.2	-2.3	-0.4	0.1	-2.0	-0.5	-0.3	Manufacture of basic iron and steel
9.8	7.1	6.9	6.0	1.0	2.3	1.4	1.7	1.8	3.3	4.1	5.3	11.2	10.1	10.0	11.6	Manufacture of basic precious and other non-ferrous metals
-2.6	-3.4	0.2	-8.7	-5.6	-6.0	-3.6	-5.8	-5.1	-1.1	5.3	-2.0	2.8	-3.0	-4.2	2.4	Casting of metals
5.1	6.1	6.9	6.3	8.3	4.1	2.4	0.4	5.9	9.8	6.2	4.2	1.6	2.8	3.2	4.5	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
																Manufacture of metal doors, windows and their frames, shutters and gates
6.4	8.4	13.0	11.0	13.8	3.5	2.5	-1.0	-2.2	3.7	-5.8	-5.7	-6.4	-5.3	-4.2	-4.6	Manufacture of other structural metal products
3.4	3.2	0.9	1.3	2.2	3.7	1.2	2.7	19.7	22.6	22.7	20.9	14.3	16.0	15.6	18.8	Manufacture of tanks, reservoirs and containers of metal
4.8	4.7	1.0	2.1	5.3	8.4	5.8	-0.6	0.0	-2.2	8.7	-1.0	-1.7	-1.6	-1.7	0.4	Other industry
4.6	4.5	4.0	5.0	5.7	7.8	8.6	7.8	8.8	8.0	6.3	8.0	11.9	11.0	11.3	9.72	Manufacture of other fabricated metal products; metal working service activities
-5.1	-5.8	-4.9	-0.8	0.1	3.2	4.0	4.2	4.3	2.8	2.9	6.0	6.3	6.4	6.0	6.0	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
-1.2	-5.5	-7.2	0.1	-7.2	-8.1	-8.4	-11.9	-0.3	-0.6	-0.1	4.1	5.6	6.0	-0.1	-0.3	Treatment and coating of metals; machining
15.3	19.7	15.2	16.6	19.7	13.5	16.2	16.1	11.9	16.0	17.2	15.4	20.1	20.8	20.7	23.8	Manufacture of tins and cans for food products, collapsible tubes and boxes
																Manufacture of metal cable, plaited bands and similar articles
15.3	11.6	11.0	8.4	9.6	13.4	13.0	11.7	14.2	18.1	16.0	17.9	19.4	13.4	17.4	12.7	Manufacture of bolts, screws, nuts and similar threaded products
-0.9	-6.3	-8.5	-5.1	-1.9	4.3	7.1	6.2	6.5	8.5	12.4	8.8	8.4	12.7	10.2	4.9	Manufacture of metal household articles
2.3	2.1	2.5	1.1	2.5	5.8	7.6	7.0	6.1	-1.2	-1.1	0.4	11.3	11.9	11.6	8.6	Manufacture of any other fabricated metal products n.e.c.
-2.3	21.3	20.9	20.3	25.9	35.2	33.9	34.5	29.4	27.8	-8.2	-8.1	-7.9	-3.8	-0.4	1.7	Other industry
3.0	3.9	2.7	-1.8	-0.7	-1.3	-1.2	-1.0	-2.8	-4.7	-8.6	-9.0	-10.5	-8.3	-7.0	-6.6	Manufacture of electronic components and boards
3.5	0.9	-0.9	0.5	1.9	0.3	0.2	-1.0	-1.6	-3.2	-4.8	-7.0	-9.0	-7.6	-5.3	-4.1	Manufacture of diodes, transistors and similar semiconductor devices
																Manufacture of electronic integrated circuits micro assemblies
																Manufacture of electrical capacitors and resistors
3.0	10.6	10.4	-7.0	-4.5	-4.3	-4.2	-1.0	-5.4	-8.8	-16.7	-14.3	-14.8	-10.4	-11.3	-14.4	Manufacture of printed circuit boards
																Manufacture of display components
-3.0	-1.1	7.3	1.8	-11.8	-3.0	0.9	-1.0	1.0	5.5	-0.1	0.7	0.4	-0.1	-1.6	7.7	Manufacture of other components for electronic applications
2.2	5.3	-4.9	6.7	4.9	2.9	3.0	8.1	6.4	6.6	2.9	5.8	2.5	0.8	14.8	15.6	Manufacture of computers and peripheral equipment
-8.5	4.3	8.3	-8.0	-2.4	-4.0	-4.9	-6.8	-9.2	-9.5	-3.0	-5.6	-3.6	6.7	2.9	14.1	Manufacture of communication equipment
-6.7	-3.3	-4.6	-2.4	-6.4	5.1	5.5	5.1	4.8	5.7	-2.9	-19.0	-18.3	-17.2	-24.8	-40.8	Manufacture of consumer electronics
29.2	30.9	28.6	28.9	21.1	21.3	18.5	12.0	8.8	22.9	27.8	28.6	25.2	23.2	30.6	28.5	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
																Manufacture of measuring, testing, navigating and control equipment
30.7	33.0	30.4	30.0	22.0	22.1	19.1	12.4	9.8	25.0	29.7	30.4	26.8	24.1	31.8	30.7	Manufacture of industrial process control equipment
10.4	5.2	2.9	15.2	8.9	10.0	10.1	6.5	-6.2	-0.4	3.8	4.0	1.6	8.8	8.3	-3.9	Manufacture of watches and clocks and parts
9.7	3.3	-0.03	-6.8	-9.2	-8.1	-7.9	-8.2	-7.4	1.7	1.2	4.8	-4.8	3.7	-4.2	16.0	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : **1.6b** *Salaries and Wages Paid of Manufacturing Sector by Group: Annual Percentage Change*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh			2023				2024		2023		2024		2023	
		2022	2023												
				Q1	Q2	Q3	Q4	Q1	Q2	(Jan. - Jul.)	(Jan. - Jul.)	Jan.	Feb.	Mac	
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	26.6	-0.1	3.1	-6.8	-1.8	5.5	10.7	6.2	-2.9	8.1	14.8	12.0	-11.5	
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-4.0	-0.4	-1.7	3.9	-1.2	-2.3	-1.9	7.4	1.0	3.2	-3.1	-5.6	4.2	
27101	Pembuatan motor elektrik, penjana dan transformer	5.2	3.2	2.5	0.6	2.0	7.8	10.8	5.9	1.0	9.0	4.6	0.6	2.1	
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	-8.9	-2.7	-3.9	6.1	-3.3	-8.5	-9.1	8.4	0.9	-0.3	-7.3	-8.7	5.3	
272/ 27200	Pembuatan bateri dan akumulator	10.0	14.2	14.8	15.6	16.0	10.8	5.7	19.6	15.6	12.6	10.8	16.5	17.2	
273	Pembuatan pendawaian dan peranti pendawaian	13.0	-5.6	2.0	-1.6	-6.3	-15.9	-15.8	-17.2	-0.5	-15.7	2.2	3.6	0.1	
27310	Pembuatan kabel gentian optikal	24.2	10.4	11.8	26.8	9.4	-2.2	3.8	4.4	18.5	4.5	11.6	14.4	9.4	
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	12.6	-6.4	2.5	-2.9	-7.2	-17.3	-18.2	-20.4	-1.0	-18.5	2.7	4.2	0.6	
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1.9	-20.1	-26.6	-21.1	-18.6	-13.0	10.8	15.9	-23.6	13.8	-25.3	-27.3	-27.1	
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	12.5	0.6	-1.3	-2.3	2.2	3.1	14.3	22.7	-1.2	19.0	-5.4	1.4	0.8	
275/ 27500	Pembuatan perkakasan domestik	-24.1	-9.3	-24.1	-17.3	1.1	9.7	1.9	-16.5	-19.0	-9.8	-27.3	-22.6	-22.2	
279/ 27900	Pembuatan kelengkapan elektrik lain	31.8	12.4	30.3	14.1	7.6	1.4	0.3	20.4	20.6	10.7	36.8	32.4	21.9	
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3.1	0.6	2.3	0.9	0.2	-0.9	-1.5	-2.5	1.4	-1.7	1.7	0.5	4.8	
28120 & 28130	Pembuatan alat-alat kuasa bendalir	2.1	3.7	1.5	6.7	4.8	2.1	-31.0	-34.1	4.3	-32.6	-1.2	2.8	3.0	
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	0.1	-2.2	-3.2	-0.1	-2.0	-3.3	-1.8	-6.9	-1.5	-4.0	-2.6	-11.9	6.0	
28192	Pembuatan jentera pembentukan logam dan alatan mesin														
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	7.8	-14.3	2.6	-12.2	-22.2	-23.9	-2.0	1.7	-6.7	0.01	5.6	5.5	-2.9	
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-5.3	-2.3	-4.5	4.5	0.4	-9.0	-12.0	-10.8	1.3	-11.3	-7.5	-7.9	3.4	
		5.5	8.1	7.0	4.3	9.5	11.6	6.4	6.3	5.4	6.8	5.7	7.2	8.2	
291 (29101 & 29102)	Pembuatan kenderaan bermotor	9.0	-3.7	-5.4	-5.8	-0.9	-2.7	-3.5	-11.3	-5.0	-8.1	-4.1	-5.9	-6.3	
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	21.7	16.6	25.5	6.5	15.0	20.0	9.3	10.9	14.2	10.4	39.7	33.3	6.8	
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-2.0	4.2	0.4	7.0	5.3	4.0	2.6	7.2	4.3	5.3	-1.6	-0.8	3.8	
301 (30110 & 30120)	Pembinaan kapal dan bot	-1.6	11.0	2.8	7.4	13.4	21.3	17.2	17.3	5.9	17.4	3.0	3.4	2.1	
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	6.3	-0.3	2.3	-0.2	-2.4	-0.7	-1.0	1.0	0.8	0.3	3.9	2.5	0.5	
30910	Pembuatan motosikal	10.7	0.04	-0.4	-2.9	-1.4	5.3	2.3	2.8	-2.0	2.7	1.6	1.9	-4.5	
30920	Pembuatan basikal dan invalid carriages	-8.4	-12.5	3.4	0.2	-21.2	-31.0	-30.9	-25.8	0.9	-25.7	1.8	0.7	7.9	
	Industri lain	5.4	6.2	8.8	7.0	6.0	3.1	7.7	11.1	8.2	8.5	11.1	5.0	10.3	
310	Pembuatan perabot	5.4	5.1	3.8	4.2	6.1	6.4	1.7	1.4	4.3	1.3	4.8	3.3	3.2	
31001	Pembuatan perabot kayu dan rotan	9.3	8.2	6.9	8.9	8.8	8.3	2.9	0.9	8.1	1.5	8.5	6.4	5.9	
	Industri lain	-7.4	-6.8	-7.8	-12.8	-4.5	-1.4	-3.8	3.3	-9.7	0.6	-8.6	-7.9	-7.0	
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	4.4	-1.7	-0.9	-3.3	-0.8	-1.7	-0.2	9.0	-1.9	4.5	-3.4	-3.6	4.7	
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	1.5	0.7	-3.4	-0.3	0.5	6.0	6.9	5.8	-1.6	6.7	-2.6	-3.0	-4.7	
32901	Pembuatan alat tulis	1.5	-3.6	-6.7	-8.4	0.8	0.3	0.1	0.6	-7.0	0.5	-9.5	-4.9	-5.6	
	Industri lain	1.5	1.8	-2.6	2.0	0.5	7.5	8.7	7.1	-0.2	8.2	-0.8	-2.5	-4.5	
323/ 32300	Pembuatan barangan sukan	1.3	-4.6	5.2	1.9	-8.9	-16.2	-17.1	-18.1	3.7	-17.5	-0.7	8.4	8.1	
324/ 32400	Pembuatan permainan dan mainan	28.2	11.5	17.4	21.7	5.0	4.3	-13.6	-5.7	17.4	-8.8	15.6	12.2	24.8	
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	4.7	6.7	7.5	7.4	8.5	3.6	0.9	0.9	7.5	0.9	7.0	9.1	6.4	
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	2.9	13.3	16.1	12.2	9.7	14.8	7.2	10.8	13.9	7.2	16.3	20.3	11.9	
	Industri lain	5.2	4.9	5.2	6.2	8.2	0.4	-0.9	-1.8	5.9	-0.8	4.6	6.1	4.9	
Jumlah Pembuatan		5.2	3.5	4.3	3.6	3.0	2.9	1.2	1.4	3.8	1.5	4.0	4.6	4.2	

2024																Group Description/Period
Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
-5.7	-7.2	-7.4	-8.1	-1.6	4.7	7.1	8.8	1.1	7.4	13.9	10.9	8.5	5.5	4.5	5.9	Manufacture of optical instruments, photographic equipment, magnetic and optical media
7.6	3.5	1.0	1.2	-2.5	-2.2	-2.1	-3.9	-1.0	-2.2	0.1	-3.7	4.4	8.1	9.5	7.2	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
1.8	-0.5	0.7	-1.8	1.5	6.3	6.5	8.7	8.2	8.9	9.8	14.0	1.8	8.3	7.4	13.0	Manufacture of electric motors, generators and transformers
11.6	6.2	1.2	3.1	-5.1	-7.7	-7.9	-11.8	-6.1	-8.9	-5.3	-12.9	6.2	8.0	10.9	3.6	Manufacture of electricity distribution and control apparatus
16.5	19.1	11.1	18.3	13.2	16.6	15.0	11.9	5.8	1.7	8.0	7.1	18.0	16.5	24.7	12.8	Manufacture of batteries and accumulators
-2.6	-3.3	1.1	-4.6	-5.9	-8.3	-13.9	-13.0	-20.7	-15.9	-17.7	-13.6	-19.2	-13.0	-19.5	-10.9	Manufacture of wiring and wiring devices
25.2	26.9	28.0	14.3	10.4	4.1	6.4	-5.8	-6.6	4.1	3.1	4.2	7.2	-0.03	6.5	6.3	Manufacture of fibre optic cables
-3.5	-5.2	-0.2	-5.6	-6.8	-9.1	-15.4	-13.4	-22.7	-18.3	-20.4	-15.8	-23.1	-15.1	-23.0	-13.5	Manufacture of other electronic and electric wires and cables
-28.6	-15.7	-19.1	-21.0	-17.7	-17.1	-20.3	-19.4	5.2	8.7	15.5	8.1	28.6	9.4	11.5	16.5	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
0.6	0.3	-6.9	2.1	2.8	1.7	1.5	-4.0	11.3	8.3	8.5	28.5	20.7	25.3	22.0	23.1	Manufacture of electric lighting equipment
-23.2	-15.2	-15.0	-8.2	1.8	12.0	9.4	10.3	9.4	3.8	-0.7	2.7	-2.1	-21.6	-21.3	-22.1	Manufacture of domestic appliances
10.5	13.5	18.2	11.7	13.8	-1.0	7.4	-0.5	-1.9	3.9	-5.8	2.8	20.5	19.7	20.8	16.9	Manufacture of other electrical equipment
1.0	0.2	1.6	0.2	0.1	0.1	-0.4	0.6	-2.6	-1.7	-1.3	-1.6	-1.7	-3.0	-2.7	0.2	Manufacture of general-purpose and special-purpose machinery
4.3	7.3	8.5	5.3	5.1	3.9	2.3	0.5	3.2	-29.6	-30.2	-33.1	-35.7	-33.3	-33.4	-32.6	Manufacture of fluid power equipment
-1.1	-0.7	1.4	-0.4	-2.3	-3.2	-7.8	-2.0	-0.05	-0.9	4.7	-8.8	-6.7	-6.1	-7.9	-2.1	Manufacture of other pumps, compressors, taps and valves
-10.1	-12.6	-13.9	-18.6	-25.5	-22.1	-20.9	-22.5	-27.6	-4.5	-0.7	-0.8	1.0	1.2	2.9	2.3	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
-2.4	7.4	9.5	12.6	-6.4	-5.1	-4.5	-6.4	-14.9	-9.4	-17.1	-9.2	-9.2	-12.9	-10.4	-10.4	Manufacture of metal-forming machinery and machine tools
6.4	2.3	4.2	4.0	13.1	11.3	12.0	13.3	9.7	5.3	5.2	9.0	7.5	5.3	6.0	9.7	Manufacture of air-conditioning machines, including for motor vehicles
-7.2	-5.7	-4.5	-1.2	-2.2	0.9	-0.9	-0.9	-5.7	-2.0	-3.2	-5.5	-10.7	-10.8	-12.2	-12.5	Manufacture of other special-purpose machinery
5.9	8.3	5.3	7.1	20.7	17.0	20.5	20.0	19.5	8.5	9.1	10.5	12.1	9.6	11.1	12.5	Other industry
3.5	9.4	8.1	8.1	5.0	2.9	3.6	3.3	5.1	3.6	2.7	1.4	8.0	7.2	6.3	7.5	Manufacture of other parts and accessories for motor vehicles
0.02	10.6	12.1	11.5	13.7	14.9	15.7	24.4	23.6	23.8	16.9	12.0	18.3	16.1	17.5	18.3	Manufacture of motor vehicles
0.9	-0.2	-1.3	-0.7	-3.1	-3.6	-0.8	-1.0	-0.3	-1.9	-1.5	0.3	0.1	1.1	1.8	2.1	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-1.7	-3.7	-3.2	-3.9	-1.6	1.1	3.8	5.6	6.4	4.0	-0.6	3.5	1.1	3.2	4.3	3.9	Manufacture of parts and accessories for motor vehicles
4.7	-1.1	-3.0	-4.6	-28.8	-30.0	-31.1	-30.8	-31.1	-29.9	-30.2	-32.5	-29.4	-25.4	-22.3	-8.2	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
5.9	10.2	4.8	10.0	8.5	-0.1	4.5	2.0	2.9	-0.2	12.4	11.0	14.2	10.2	8.8	3.4	Manufacture of trailers and semi-trailers
2.9	5.2	4.6	6.4	6.6	5.2	5.8	6.3	7.2	1.5	1.7	1.9	2.0	1.2	0.8	0.3	Manufacture of parts and accessories for motor vehicles
5.5	11.0	10.2	9.6	9.6	7.2	7.5	7.9	9.6	2.4	2.9	3.5	3.5	-0.1	-0.6	-1.1	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-6.6	-16.1	-15.9	-5.8	-4.9	-2.9	-1.1	-0.2	-2.8	-2.4	-3.8	-5.2	-4.3	7.6	7.7	6.6	Manufacture of trailers and semi-trailers
4.3	-2.8	-11.5	-1.1	-2.5	1.2	1.7	8.5	-12.3	-5.8	3.6	1.8	1.4	10.0	17.1	6.6	Manufacture of parts and accessories for motor vehicles
-3.5	3.5	-0.8	-0.3	0.4	1.4	4.3	4.7	9.0	4.5	6.6	9.7	9.8	3.0	5.0	8.4	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-12.4	-4.9	-7.8	-4.1	2.6	4.1	0.2	0.1	0.6	4.0	-1.5	-2.1	1.6	-1.8	2.2	1.7	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-1.0	5.8	1.1	0.8	-0.2	0.8	5.4	5.8	11.1	4.6	8.8	12.8	11.9	4.2	5.7	10.1	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
3.2	5.8	-3.2	4.2	-14.6	-16.3	-12.7	-18.0	-17.9	-12.9	-19.9	-18.4	-19.1	-18.4	-16.8	-16.6	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
16.8	25.1	23.1	5.8	6.8	2.7	8.1	-2.1	6.6	-15.3	-15.1	-10.8	1.8	-6.8	-11.4	-3.6	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
5.8	8.5	8.1	8.2	8.8	8.5	3.4	3.2	4.1	0.9	0.7	1.0	0.8	0.7	1.4	1.0	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
8.6	14.1	14.3	11.6	9.7	8.1	9.2	9.9	24.1	4.9	8.1	8.4	13.5	9.4	9.5	-4.7	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
5.0	7.1	6.5	7.4	8.6	8.6	1.9	1.2	-1.9	-0.2	-1.6	-1.0	-2.7	-1.7	-0.8	2.4	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
3.9	4.0	3.0	2.9	3.0	3.2	3.4	3.3	2.1	2.0	1.0	0.7	1.2	1.1	1.8	2.4	Total Manufacturing

Jadual **1.6c** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
Table : *Salaries and Wages Paid of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024		2023				
		Q1	Q2	Q3	Q4	Q1	Q2	Jan.	Feb.	Mac	Apr.	Mei
101	Pemprosesan dan pengawetan daging	3.6	2.5	0.7	4.3	-7.1	0.4	-1.9	-8.0	-1.2	4.4	2.6
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	1.3	-0.3	2.4	0.2	-2.2	-1.6	1.8	-1.1	-0.2	-2.0	3.3
	10201 Pengetinan ikan, krustasea dan moluska											
	&											
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	2.4	-0.5	1.7	-1.3	-3.2	-1.4	1.6	-1.1	0.1	-2.5	3.7
	Industri lain	-3.2	0.6	5.3	6.6	1.9	-2.3	2.5	-1.4	-1.6	0.4	1.3
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	12.7	7.3	-4.7	-2.4	3.0	-1.4	8.4	3.6	1.9	4.1	1.0
	10303 Pengetinan nanas											
	&											
	10304 Pembuatan jem, marmalad dan sajian jeli	29.1	6.2	-7.4	-4.7	2.4	1.7	12.4	12.8	4.7	-1.4	2.5
	Industri lain	11.7	7.4	-4.5	-2.2	3.0	-1.6	8.1	2.9	1.7	4.5	0.9
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	1.1	0.2	1.2	4.9	-0.6	3.1	-5.5	-1.4	-1.2	1.5	0.2
	10404 Pembuatan minyak sayuran mentah dan bertapis											
	&											
	10406 Pembuatan sebatian lemak masakan	1.3	0.8	-5.5	2.3	0.7	-0.4	1.9	-1.5	0.1	1.3	-1.0
	10405 Pembuatan minyak kelapa	19.0	3.6	12.4	-1.7	0.3	0.1	19.0	-1.4	-0.2	3.7	0.6
	Industri lain	0.5	0.03	1.3	5.4	-0.8	3.4	-6.8	-1.3	-1.3	1.5	0.3
105	Pembuatan produk tenusu	6.4	3.3	-3.2	7.1	2.5	0.2	3.0	5.7	-3.0	3.3	-0.8
	10502 Pembuatan susu pekat, tepung dan sejat	6.8	3.2	-4.2	7.6	3.6	-0.6	2.6	7.9	-4.4	4.1	-1.5
	Industri lain	3.4	3.6	4.9	3.5	-5.7	7.0	6.2	-9.8	9.2	-2.4	5.2
106	Pembuatan produk bijian, kanji dan produk berkanji	4.8	2.3	-2.4	-1.3	-4.8	-4.7	1.9	-0.3	-0.3	3.3	-3.3
	10611 Pengilangan beras	8.2	-2.6	-0.6	-4.5	1.5	-4.3	4.1	4.4	0.1	-2.6	-1.6
	10613 Pengilangan tepung	1.6	8.8	-4.1	1.8	-11.4	-6.2	-1.3	-3.0	-0.6	9.9	-5.0
	Industri lain	0.9	-3.1	-4.4	2.3	-2.4	1.8	8.5	-14.7	-2.1	6.5	-3.7
107	Pembuatan produk makanan lain	0.5	-1.1	4.6	5.1	-2.9	-2.7	-0.9	-2.8	0.01	-1.2	1.6
	10711 Pembuatan biskut dan cookies	3.7	2.1	8.1	2.0	-5.8	1.5	4.4	-1.9	-0.6	1.1	3.2
	10712 Pembuatan roti, kek dan produk bakeri lain	-3.3	2.0	4.0	2.4	-3.9	1.6	-0.2	-3.5	-2.6	3.9	2.7
	10713 Pembuatan produk snek	2.0	-3.6	5.3	6.5	4.3	1.5	-2.7	1.2	0.6	-4.1	-2.2
	10721 Pembuatan gula	-5.3	-0.5	3.5	8.3	-1.1	-0.5	16.9	1.5	-9.2	1.1	8.7
	10731 Pembuatan produk koko	-0.7	6.3	2.4	0.9	-8.3	6.9	-3.2	4.8	-2.6	14.8	-10.1
	10732 Pembuatan coklat dan produk coklat											
	&											
	10733 Pembuatan konfeksi gula	-2.5	-9.4	9.1	11.5	-7.0	-9.3	-10.0	-1.6	0.7	-9.5	0.4
	10793 Pembuatan sos dan bahan perasa	5.0	2.1	4.7	11.1	8.8	-6.6	-8.3	-2.5	19.3	-6.7	-4.0
	10799 Pembuatan produk makanan lain t.t.t.l.	2.4	-1.0	7.0	6.2	-8.7	-6.5	7.8	-9.8	-0.6	-1.5	6.4
	Industri lain	1.6	-2.8	1.6	3.5	-2.4	-3.7	-1.3	-1.3	-2.9	-1.5	1.9
108/ 10800	Pembuatan makanan haiwan tersedia	1.2	-1.5	2.1	6.6	-7.4	-2.9	-13.8	7.9	-4.7	-2.9	4.2
110	Pembuatan minuman ringan	-1.4	-1.9	0.2	10.5	-1.9	-1.4	-6.8	-2.6	-0.2	1.6	-3.3
	11041 Pembuatan minuman ringan	-2.9	-0.6	-2.4	11.6	-3.8	0.2	-9.6	-2.9	-0.4	2.5	-2.1
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	1.9	-3.8	4.6	5.8	0.7	-6.7	1.5	-3.3	4.4	-0.5	-7.4
	Industri lain	5.4	-10.2	17.1	15.7	10.0	-0.3	-1.2	2.7	-12.6	-1.2	-1.7
120/ 12000	Pembuatan produk tembakau	0.9	-11.6	-2.6	17.1	-4.4	-9.6	-17.0	7.0	-3.6	-10.5	-1.3
131	Pemintalan, penenunan dan penyiapan tekstil	-8.7	1.1	3.7	1.3	-4.5	4.3	-7.1	-6.6	1.7	0.1	3.9
	13110 Penyediaan dan pemintalan gentian tekstil											
	&											
	13120 Penenunan tekstil	-9.7	4.3	5.6	0.5	-5.4	5.5	-5.6	-10.5	5.0	1.6	5.6
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-7.5	-5.6	-1.4	4.4	-3.1	1.9	-10.6	1.0	-4.8	-2.1	-0.5
	Industri lain	5.1	-4.0	7.6	-7.8	4.2	-0.6	-0.8	12.8	-0.8	-13.0	6.4
139	Pembuatan tekstil lain	7.0	3.0	-0.9	1.5	-0.5	0.2	6.7	-1.8	2.0	1.4	1.8
	13910 Pembuatan fabrik dikait dan dikrusye	-5.9	8.7	-3.2	3.3	-7.1	5.2	-6.5	0.1	-2.1	8.7	2.2
	Industri lain	12.6	0.9	0.0	0.8	2.1	-1.6	12.5	-2.5	3.6	-1.1	1.7
141	Pembuatan pakaian, kecuali pakaian berbulu	0.3	-3.7	-2.0	9.4	-0.4	-4.9	-4.5	-7.2	0.5	0.5	-0.9
	14102 Pembuatan pakaian	-0.9	-5.0	-2.2	12.3	2.6	-6.3	-6.9	-9.0	-0.2	1.1	-1.3
	Industri lain	2.8	-1.0	-1.8	3.4	-6.9	-1.3	1.1	-3.1	1.9	-0.8	-0.1
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1.4	1.0	2.2	0.8	2.3	-0.8	4.0	-10.3	2.8	2.7	0.8
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-1.0	-0.04	-1.2	5.5	-4.2	4.7	-2.0	-2.4	1.0	0.6	0.2
152	Pembuatan kasut	5.8	-3.4	-1.8	6.7	1.5	-5.4	3.3	1.0	-1.5	-2.6	0.9
	15201 Pembuatan kasut kulit											
	&											
	15203 Pembuatan kasut getah	4.1	-3.9	-4.5	3.4	-1.6	-4.5	0.8	0.5	-2.1	-2.6	0.5
	Industri lain	10.4	-2.0	4.6	14.0	7.9	-6.9	10.4	2.1	-0.1	-2.8	1.8
161/ 16100	Pengilangan dan pengetaman kayu	4.7	-4.7	3.0	1.9	2.1	-0.5	2.9	2.5	-3.2	-1.8	-1.9

2024														Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
0.5	-3.4	2.3	4.4	0.6	-0.01	0.1	-3.3	-6.2	0.3	0.7	3.1	-1.1	2.4	Processing and preserving of meat
0.1	1.2	-0.5	1.3	-0.5	-1.0	2.1	-1.5	-1.9	-1.3	-2.0	3.0	-0.3	1.8	Processing and preserving of fish, crustaceans and molluscs
-0.4	1.6	-1.7	1.0	-1.0	-1.9	2.5	-2.4	-1.7	-2.0	-1.5	3.4	-0.5	1.1	Canning of fish, crustaceans and molluscs
2.4	-0.8	4.6	2.7	1.3	2.5	0.7	2.1	-2.9	1.4	-3.5	1.8	0.3	4.4	Processing, curing and preserving of fish, crustacean and molluscs
0.03	-2.1	-4.9	0.9	-0.5	-0.6	-1.4	4.6	-3.3	5.5	-2.0	-2.4	-0.4	2.7	Processing and preserving of fruits and vegetable
-3.1	-3.4	-2.7	-3.4	-3.5	2.1	1.7	1.9	-4.0	4.4	0.3	1.4	-3.2	-0.8	Pineapple canning
0.3	-2.0	-5.0	1.2	-0.2	-0.8	-1.7	4.8	-3.3	5.6	-2.2	-2.7	-0.2	2.9	Manufacture of jams, marmalades and table jellies
-0.7	2.5	-3.4	4.1	1.1	-2.4	11.6	-5.9	0.3	-3.3	4.8	1.6	-1.6	2.5	Manufacture of vegetable and animal oils and fats
1.8	-9.4	3.7	2.5	0.6	-2.1	0.8	1.3	-1.2	1.4	0.1	-1.8	0.9	2.7	Manufacture of crude and refined vegetable oil
0.4	10.3	1.3	1.4	-1.5	-1.6	-1.2	0.2	-0.6	5.8	-4.9	2.9	-0.6	1.5	Manufacture of compound cooking fats
-0.9	3.2	-4.1	4.3	1.3	-2.4	12.9	-6.6	0.4	-4.0	5.5	1.8	-1.9	2.5	Manufacture of coconut oil
2.1	-8.7	5.7	3.0	-2.8	2.2	13.6	2.1	-14.9	5.9	3.9	-1.4	-2.7	7.0	Manufacture of dairy products
2.3	-9.7	6.0	3.0	-3.3	2.1	16.7	2.6	-16.3	6.0	4.2	-1.9	-3.4	8.9	Manufacture of condensed, powdered and evaporated milk
0.6	-0.2	3.0	2.8	1.1	3.2	-7.3	-2.5	-1.4	5.0	1.8	2.2	2.7	-6.4	Other industry
4.7	-2.9	-1.9	-0.3	-1.1	-1.9	6.0	1.2	-13.6	0.8	0.9	-1.0	-1.5	1.2	Manufacture of grain mill products, starches and starch products
-1.3	2.9	-3.0	0.2	-1.2	-4.0	0.7	4.5	-3.6	1.2	-3.6	0.4	-1.6	-0.7	Rice milling
11.9	-8.9	-0.5	-0.6	-1.4	0.3	11.0	-1.4	-24.3	0.2	5.8	-2.1	-1.6	3.9	Flour milling
0.2	-0.3	-3.9	-1.3	2.3	-1.5	9.8	-3.1	-8.3	2.1	6.0	-3.7	0.01	-2.0	Other industry
-0.1	1.6	2.0	3.3	0.2	0.5	4.9	-3.9	-3.1	-0.6	-1.1	0.01	-0.4	-0.1	Manufacture of other food products
-0.1	6.0	0.5	1.9	-0.9	1.7	1.3	-4.5	-3.6	-0.9	1.9	3.0	-1.6	6.9	Manufacture of biscuits and cookies
-2.0	3.8	-0.2	2.6	-0.9	1.8	1.3	-4.1	1.4	-6.6	6.2	-0.3	-0.3	-2.4	Manufacture of bread, cakes and other bakery products
3.6	0.2	3.5	3.1	1.2	-0.2	6.4	0.2	-1.3	2.7	-1.9	0.8	4.6	-2.3	Manufacture of snack products
-3.3	-1.2	4.3	4.1	3.2	-3.7	10.1	-9.8	7.1	-1.3	-4.1	3.3	0.3	-2.3	Manufacture of sugar
-1.8	7.7	-0.5	0.6	-0.4	0.3	2.4	-1.3	-14.7	3.8	16.2	-10.3	5.7	-2.8	Manufacture of cocoa products
-0.3	3.3	5.7	5.2	3.1	1.8	4.4	-6.8	-6.0	0.9	-6.6	-1.8	-0.8	-0.03	Manufacture of chocolate and chocolate products
3.5	-2.8	7.8	4.4	0.1	0.1	15.7	-7.0	3.7	11.0	-11.3	-4.0	-0.6	0.8	Manufacture of sugar confectionery
0.9	1.0	2.0	5.6	0.0	-0.04	5.6	-2.4	-15.6	2.4	-1.9	-0.1	-1.1	-3.7	Manufacture of sauces and condiments
-0.4	-0.3	1.1	2.4	0.3	-0.6	4.8	-2.8	-2.3	-2.8	-2.0	2.0	-1.0	1.3	Manufacture of other food products n.e.c.
-1.8	2.7	-1.7	1.2	1.4	3.1	8.0	-6.3	-9.1	-3.1	1.1	0.8	2.5	-1.4	Manufacture of prepared animal feeds
-0.8	-0.7	0.3	7.2	0.3	4.8	5.7	-5.2	-2.8	0.4	1.8	-4.4	1.3	-0.9	Manufacture of beverages
-0.9	-1.4	-3.1	7.3	0.2	7.6	6.6	-8.1	-3.2	0.4	2.9	-3.8	2.2	-0.8	Manufacture of soft drinks
-0.3	0.6	7.0	6.1	0.8	-2.1	0.7	3.1	-3.2	0.4	-1.2	-7.1	-0.3	1.3	Production of natural mineral waters and other bottled waters
-0.6	2.5	17.4	9.5	-0.3	-0.02	12.4	0.7	1.6	0.5	0.9	-2.0	-2.2	-7.2	Other industry
-0.4	-2.2	-3.8	8.8	3.5	-0.7	26.8	-18.2	1.8	-1.6	-9.4	-1.6	3.9	-0.7	Manufacture of tobacco products
-1.2	1.4	2.2	0.7	-1.4	1.2	2.2	-2.1	-6.6	0.7	4.1	4.0	-1.4	1.8	Spinning, weaving and finishing of textiles
-1.4	4.3	0.6	-0.05	-1.8	1.9	2.6	-1.5	-9.8	1.2	6.5	3.5	-1.2	3.0	Preparation and spinning of textile fibres
-1.2	-5.8	7.0	2.7	-0.2	-0.04	1.7	-4.0	0.1	-0.5	-0.7	5.1	-1.4	-1.7	Weaving of textiles
6.8	2.5	-1.5	-1.6	-2.2	-4.2	-4.4	0.6	13.3	-1.5	-4.9	6.5	-8.5	5.7	Dyeing, bleaching, printing and finishing of yarns and fabrics
-1.3	-1.0	0.02	1.2	0.8	-0.4	0.5	0.2	-3.1	3.6	-2.1	2.3	-1.5	-0.8	Other industry
-0.3	-5.0	1.6	0.7	2.6	0.2	-1.4	-5.1	-5.9	8.4	0.4	2.1	0.1	-5.7	Manufacture of other textiles
-1.7	0.5	-0.6	1.4	0.1	-0.7	1.2	2.2	-2.1	1.9	-3.0	2.3	-2.1	1.1	Manufacture of knitted and crocheted fabrics
-4.3	0.6	-1.2	4.1	-0.8	7.4	7.9	-3.4	-6.6	0.8	-0.8	-1.2	-4.7	0.9	Other industry
-5.9	2.7	-2.5	4.1	-0.7	10.1	11.7	-3.1	-7.2	1.1	-1.5	-1.7	-6.0	3.2	Manufacture of wearing apparel, except fur
-1.0	-3.5	1.6	4.2	-1.0	1.9	-0.5	-4.0	-5.1	0.2	0.8	0.1	-1.5	-4.2	Manufacture of clothings
-1.0	1.5	1.3	0.5	-1.3	2.3	-0.5	2.3	-2.0	2.7	0.6	-3.3	-0.9	0.6	Other industry
-1.8	-1.3	-0.4	4.8	1.9	-2.4	6.6	-6.7	-2.5	2.8	1.9	0.9	3.5	-2.3	Manufacture of articles of fur, knitted and crocheted apparel
-1.9	-4.6	3.0	5.6	0.8	1.7	-0.02	2.1	0.1	-3.8	-1.4	0.03	-4.8	-0.9	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
-1.5	-6.0	1.1	5.3	0.5	-1.1	-0.4	0.3	1.0	-5.8	-0.9	0.3	-0.8	-3.8	Manufacture of footwear
-2.8	-1.1	7.3	6.5	1.5	7.6	0.7	5.8	-1.4	0.04	-2.3	-0.5	-12.2	5.2	Manufacture of leather footwear
-1.0	5.0	-1.7	1.5	2.0	-0.8	-0.03	0.1	2.6	1.4	-0.8	-2.1	-0.1	6.0	Manufacture of rubber footwear
														Other industry
-1.0	5.0	-1.7	1.5	2.0	-0.8	-0.03	0.1	2.6	1.4	-0.8	-2.1	-0.1	6.0	Sawmilling and planning of wood

Jadual Table **1.6c** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
: Salaries and Wages Paid of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024		2023				
		Q1	Q2	Q3	Q4	Q1	Q2	Jan.	Feb.	Mac	Apr.	Mei
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	2.5	-1.6	2.1	2.4	-0.3	-0.9	0.3	0.4	-1.0	-0.8	0.7
16211	Pembuatan kepingan venier dan papan lapis	-3.7	-1.5	5.6	2.0	-2.1	1.3	-6.2	2.3	-1.8	-1.4	2.1
16212	Pembuatan papan partikel dan papan gentian	10.8	-5.4	3.3	5.1	3.5	-12.4	9.5	-0.8	-2.0	-0.6	-1.3
16221	Pertukangan kayu untuk jurubina	11.9	0.2	-2.6	-3.4	-1.0	2.5	7.3	-1.3	-1.4	2.3	-1.5
	Industri lain	2.8	-0.9	-2.5	9.5	2.7	-0.4	3.2	-1.3	2.8	-3.3	1.4
170	Pembuatan kertas dan produk kertas	1.3	-4.5	0.6	4.4	0.8	-5.1	-3.4	3.0	-2.0	-3.8	-0.8
17010	Pembuatan pulpa, kertas dan kertas tebal	-12.3	-17.7	2.0	9.0	3.7	-9.8	-13.5	12.6	-7.2	-8.5	-13.8
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	2.6	-0.4	2.5	1.8	0.4	-4.0	1.8	-1.6	-0.1	-1.1	2.0
17091	Pembuatan sampul surat dan kad surat	-3.0	-0.7	-2.7	7.5	-1.0	-1.1	-4.1	-1.9	2.4	-1.4	-0.1
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	15.5	-10.6	-4.9	8.5	9.6	-9.1	-2.3	15.4	-4.7	-11.4	-0.9
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-6.8	-2.4	-0.9	0.2	-7.4	-2.9	-5.5	-1.2	-2.1	-1.2	0.04
	Industri lain	1.8	1.6	3.0	6.8	-4.7	-1.5	-8.7	-3.0	0.5	1.2	1.0
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	3.4	1.1	-2.8	3.6	3.0	2.1	0.8	-5.3	2.2	-0.3	3.4
18110	Percetakan	2.5	2.2	-3.2	4.2	2.1	2.6	-0.6	-5.0	2.6	0.9	2.7
18120	Aktiviti perkhidmatan berkaitan percetakan &	8.0	-4.7	-0.5	0.1	8.4	-0.2	8.7	-6.7	-0.1	-6.8	7.5
18200	Penerbitan semula media rakaman											
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	8.2	-15.8	4.0	12.0	2.8	-16.4	-4.7	-1.5	17.2	-24.6	-0.5
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	6.3	-7.2	-3.5	1.5	-1.8	-5.7	1.0	-1.0	8.0	-7.2	-9.0
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	21.2	-8.7	12.0	4.3	-12.2	-11.1	6.4	20.6	5.9	-17.1	-0.4
20112 & 20113	Pembuatan kimia organik asas	5.7	-9.5	-6.6	1.8	-11.2	-5.3	2.2	-3.1	5.9	-5.2	-14.6
20121 & 20129	Pembuatan sebatian bukan organik											
20121	Pembuatan baja	-1.5	-2.3	-6.7	-4.4	2.4	-5.5	-4.9	-10.0	12.1	-5.8	-0.2
20129	Pembuatan produk campuran nitrogen	5.8	-2.7	-2.1	1.5	18.5	-4.7	-1.9	-0.1	13.7	-8.3	-3.1
20131	Pembuatan plastik dalam bentuk primer	1.9	-14.4	-6.8	3.5	4.7	-4.3	5.8	-7.9	-4.3	1.2	-16.0
	Industri lain											
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	3.1	-4.4	2.8	1.9	6.0	-6.1	-7.8	2.5	-1.5	-2.8	-2.4
20210	Pembuatan racun perosak dan produk agrokimia lain	11.8	14.0	-9.8	5.0	8.3	8.5	2.8	0.8	23.6	-2.0	1.2
20221	Pembuatan cat, varnis dan penyadur dan mastik	14.0	-4.8	5.6	0.2	11.6	-4.5	-1.4	12.5	-12.6	1.9	-2.9
20222	Pembuatan dakwat cetak	-6.2	-2.2	-1.0	-3.7	-8.8	-5.8	-7.7	-2.5	3.5	-3.7	2.0
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilap	10.1	-7.4	2.0	-2.3	5.7	-7.0	-10.1	11.8	-4.5	-5.6	-4.3
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials											
20292 & 20299	Pembuatan dakwat menulis dan melukis	-8.0	-7.7	9.5	8.3	6.3	-11.1	-11.4	-9.8	-0.5	-2.2	-2.9
	Pembuatan produk kimia lain t.t.t.l.											
	Industri lain	4.0	-1.4	-15.8	-19.2	1.9	0.5	6.1	6.6	-12.3	4.2	3.5
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	-10.7	4.6	3.5	5.4	-11.2	3.8	-14.2	-5.5	0.5	9.7	-4.9
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	-12.8	3.5	0.6	6.9	-11.7	4.2	-17.0	-6.8	0.9	10.5	-7.2
	Industri lain	-2.1	8.8	13.7	0.7	-9.2	2.5	-1.0	-0.2	-0.6	7.1	3.7
221	Pembuatan produk getah	-6.0	6.3	7.4	-5.8	-5.2	2.7	-5.6	2.1	1.3	0.6	3.2
22111	Pembuatan tayar getah untuk kenderaan	15.4	4.3	4.8	-4.9	-13.7	-16.1	22.3	-3.8	-7.2	12.8	-1.0
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	6.8	12.3	6.9	1.9	3.5	11.0	0.8	0.5	25.2	-5.5	4.2
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	-0.9	5.1	2.7	0.8	-2.7	5.1	-6.2	1.0	7.7	1.7	-2.0
22192	Pengilangan semula getah dan prosesan susu getah											
22192	Pembuatan sarung tangan getah	-13.9	10.5	10.7	-8.7	-5.2	7.1	-12.1	6.5	-3.0	0.3	8.7
22199	Pembuatan produk getah lain yang t.t.t.l.	-1.9	-2.8	4.8	-6.3	-3.9	-3.0	-3.9	-3.2	8.2	-6.1	-2.3
222	Pembuatan produk plastik	-1.2	3.2	-2.5	1.7	-1.5	4.1	-2.9	-2.9	2.9	3.7	-0.4
22201 & 22202	Pembuatan produk plastik separa siap	-1.2	-1.3	-5.7	1.5	-4.3	-1.5	-3.9	0.8	-9.9	7.9	-0.5
22202	Pembuatan produk plastik siap											
22203	Pembuatan artikel plastik untuk pembungkusan barangan	9.6	9.0	-9.1	-6.1	3.1	9.5	4.5	-7.6	23.7	-1.4	0.7
22204	Pembuatan barangan plastik jurubina	9.2	13.0	-10.4	0.8	4.6	-2.6	0.5	-1.2	9.9	1.3	11.0
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	-0.7	2.1	-0.7	-2.0	3.0	5.2	-2.0	1.2	2.1	0.4	-0.5
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-10.3	2.8	8.2	9.8	-3.5	5.3	-8.0	-4.4	1.0	5.3	-2.1
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	-4.7	-0.7	1.2	0.5	-0.9	5.7	-4.1	-7.8	-0.8	0.6	3.6

2024														Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
-2.2	2.4	1.3	0.3	0.8	0.8	1.4	0.2	-2.0	-1.0	0.8	0.5	-2.1	3.0	Manufacture of products of wood, cork, straw and plaiting materials
-3.0	6.2	1.0	0.4	0.1	2.4	-0.9	0.6	-2.8	-3.0	3.6	2.3	-2.2	5.2	Manufacture of veneer sheets and plywood
-7.2	6.1	5.2	-1.7	1.0	4.5	1.7	1.0	-0.6	0.8	-10.7	0.2	-7.0	-2.1	Manufacture of particle board and fibreboard
1.0	-2.4	-0.2	-0.9	0.4	-4.6	-0.3	1.4	-0.9	-0.04	3.4	-1.1	0.7	6.4	Manufacture of builders' carpentry
0.6	-5.1	0.9	3.6	3.2	-0.4	11.0	-3.1	-2.3	1.9	1.0	-2.2	-1.2	-3.8	Other industry
0.4	-1.0	1.2	2.6	1.8	-1.4	4.3	-1.7	1.0	-1.6	-4.1	-0.8	0.6	-0.6	Manufacture of paper and paper products
0.8	4.3	2.6	2.0	7.3	-1.3	0.7	-0.2	6.2	-0.7	-4.7	-8.2	-4.1	-1.4	Manufacture of pulp, paper and paperboard
-0.1	0.8	0.3	2.8	0.7	-1.3	-0.03	2.2	-2.0	-0.2	-3.7	-0.9	3.4	-3.9	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-0.6	-3.2	-0.6	4.0	3.0	1.9	1.7	-1.8	-4.1	5.8	-2.9	-0.7	0.2	0.4	Manufacture of envelopes and letter-card
0.3	-9.8	6.3	3.7	1.5	-3.6	14.6	-1.6	7.6	-5.6	-8.6	2.3	-1.9	5.1	Manufacture of household and personal hygiene paper
1.7	-0.2	-3.0	0.7	1.7	-0.6	-1.4	-6.3	1.2	-2.7	-1.7	-0.3	1.1	5.0	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
1.1	0.7	0.8	2.1	0.8	-0.1	12.9	-10.2	-2.4	-1.1	-0.5	1.2	-0.7	-2.0	Other industry
-1.4	-2.4	0.7	-2.9	0.9	3.0	7.3	-4.3	3.1	-0.8	0.1	2.4	-0.4	-1.7	Printing, service activities related to printing and reproduction of recorded media
-1.6	-2.5	0.4	-2.6	0.8	3.5	7.9	-6.5	4.2	-0.5	0.6	1.5	-0.2	-2.1	Printing
-0.7	-2.3	2.3	-4.8	1.5	-0.2	3.9	8.4	-2.8	-1.9	-2.3	7.6	-1.7	0.7	Service activities related to printing
														Reproduction of recorded media
4.5	-2.6	2.1	6.9	4.3	-4.5	15.9	-10.1	0.2	15.8	-24.8	-1.9	7.0	-1.9	Manufacture of refined petroleum products
4.4	-0.5	-3.2	-1.6	1.4	0.4	6.3	-4.4	-4.1	4.1	-3.2	-7.1	2.9	2.0	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
1.3	9.8	0.9	2.2	2.8	-0.1	-0.7	-10.9	-1.7	0.7	-11.4	-0.1	1.6	11.6	Manufacture of liquefied or compressed inorganic industrial or medical gases
														Manufacture of basic organic chemicals
9.1	-2.8	-4.9	-3.3	2.1	1.2	8.7	-15.5	-2.5	2.6	2.4	-14.6	5.2	-2.8	Manufacture of inorganic compounds
														Manufacture of fertilizers
-0.4	-3.6	-3.6	-1.4	-0.8	-2.4	0.3	3.0	-7.3	16.0	-11.4	-0.5	-1.2	3.8	Manufacture of associated nitrogen products
-0.8	1.4	-2.4	-0.8	0.3	0.8	6.2	15.9	-5.6	5.4	-7.7	1.6	1.6	5.0	Manufacture of plastics in primary forms
1.3	-4.7	3.2	2.8	1.0	-6.8	13.3	6.9	-8.9	-5.4	15.5	-17.7	2.3	2.3	Other industry
0.4	3.1	0.9	-1.0	0.2	-1.5	9.7	-4.2	6.4	1.1	-4.6	-7.1	1.9	1.6	Manufacture of other chemical products and man-made fibres
1.6	-4.7	-12.8	6.4	5.5	-1.9	4.1	0.6	1.2	13.7	-2.1	1.4	1.7	-5.0	Manufacture of pesticides and other agrochemical products
1.1	0.0	10.1	-2.6	-1.6	-3.3	8.3	0.7	16.8	-12.4	1.4	-5.3	4.7	-0.1	Manufacture of paints, varnishes and similar coatings ink and mastics
-3.5	2.3	-1.0	-2.6	-1.4	-0.2	-0.3	-8.9	2.9	-4.4	5.4	-13.7	1.5	-1.4	Manufacture of printing ink
														Manufacture of soap and detergents, cleaning and polishing preparations
1.3	3.2	1.8	-5.0	-3.1	-2.0	15.6	-11.9	12.6	4.0	-12.2	-1.8	1.9	0.7	Manufacture of perfumes and toilet preparations
														Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
-0.04	8.2	2.2	2.3	3.0	-0.4	9.3	0.4	-1.3	2.6	-2.8	-14.8	0.6	6.8	Manufacture of writing and drawing ink
														Manufacture of other chemical products n.e.c.
-3.1	4.8	-24.9	-9.2	-6.5	5.7	-2.8	0.9	5.3	-6.9	3.1	1.5	-1.2	7.4	Other industry
0.4	2.8	3.9	-1.3	2.4	-3.6	15.4	-15.1	-6.1	1.7	8.4	-5.3	0.9	2.2	Manufacture of pharmaceuticals, medicinal chemical and botanical products
0.8	0.8	3.8	-1.8	2.6	-3.8	20.8	-16.8	-7.9	1.0	10.3	-6.2	1.9	0.3	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
-1.0	10.0	4.2	0.3	1.8	-3.1	-1.7	-8.5	0.2	3.8	2.3	-2.3	-2.4	8.6	Other industry
5.6	1.6	3.2	-3.7	-2.8	-0.7	-3.6	-1.3	-2.1	0.1	-1.1	3.4	6.5	-2.0	Manufacture of rubber products
-2.3	6.2	2.6	-3.4	-3.5	0.7	-1.4	0.3	-15.7	-9.8	-7.7	2.4	6.7	-5.1	Manufacture of rubber tyres for vehicles
-0.1	2.0	5.0	0.3	0.04	0.7	-1.5	0.1	-5.8	25.6	-3.6	2.1	-0.3	2.8	Manufacture of interchangeable tyre treads and retreading rubber tyres
														Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
-1.7	4.3	-0.7	2.2	-0.7	-0.8	2.3	-1.4	-9.4	12.4	-1.6	3.0	0.6	1.8	Rubber remilling and latex processing
11.9	-1.5	6.2	-6.7	-4.0	-0.3	-6.4	-2.1	3.6	-3.2	0.6	4.6	12.8	-5.4	Manufacture of rubber gloves
2.6	5.1	-1.1	-1.5	-2.0	-2.8	-3.8	-0.3	1.2	-2.8	-1.1	1.4	-4.0	6.0	Manufacture of other rubber products n.e.c.
-3.3	-0.6	0.6	0.1	0.2	0.8	2.1	-1.9	-2.3	0.8	5.0	0.8	-3.4	1.8	Manufacture of plastics products
														Manufacture of semi-manufactures of plastic products
-5.2	-5.1	4.9	-0.4	-0.6	1.4	-0.5	-2.0	0.6	-8.7	5.8	1.3	-5.9	-5.2	Manufacture of finished plastic products
-4.6	2.3	-12.0	-1.8	-2.1	0.1	4.2	1.5	-6.7	10.5	6.3	0.8	-5.4	7.5	Manufacture of plastic articles for the packing of goods
-5.7	-1.8	-13.2	2.0	1.6	-1.5	11.6	0.6	-9.2	11.1	-3.8	-3.6	0.2	2.2	Manufacture of builders' plastics ware
0.7	-3.7	5.1	-1.9	0.9	-6.3	3.0	0.8	1.5	3.9	0.5	1.6	1.2	-0.4	Manufacture of plastic tableware, kitchenware and toilet articles
-0.5	2.6	8.3	2.7	2.7	2.3	2.4	-5.0	-2.1	2.0	4.6	0.4	-0.4	4.0	Manufacture of diverse plastic products n.e.c.
-1.2	-0.1	-0.3	3.4	-2.0	-2.1	5.5	-3.8	-2.3	5.4	2.6	0.9	-0.9	-0.7	Manufacture of glass and glass products

Jadual Table **1.6c** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
: Salaries and Wages Paid of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024		2023				
		Q1	Q2	Q3	Q4	Q1	Q2	Jan.	Feb.	Mac	Apr.	Mei
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-3.4	2.0	2.1	5.2	-3.0	-0.3	-2.9	-4.4	2.3	-0.2	3.5
23911	Pembuatan mortar refraktori dan konkrit											
&		-7.5	7.1	1.9	3.2	4.5	-1.9	-12.3	-4.1	7.6	-0.7	4.8
23921	Pembuatan seramik bukan refraktori											
23930	Pembuatan produk porselin dan seramik lain	-10.0	-5.0	4.6	0.3	-8.6	6.4	8.4	-23.6	-0.4	-0.2	8.7
23941	Pembuatan simen hidrolik	3.6	2.3	-2.7	0.1	-7.7	-9.2	2.2	-7.0	-0.4	1.4	6.8
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	-5.2	-1.3	2.6	4.2	2.2	-0.2	-3.9	-2.2	-0.8	-0.8	0.9
23952	Pembuatan konkrit pratuangan, simen atau artikel batu											
&	buatan yang digunakan dalam pembinaan;											
23953	Pembuatan komponen struktur pasang siap untuk bangunan	-1.6	3.5	3.3	4.3	-5.3	0.5	3.1	-5.7	4.2	0.3	4.0
&	atau kejuruteraan awam dari simen, batu atau konkrit buatan											
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.											
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	-1.0	0.1	3.6	12.0	-4.2	-1.8	-9.9	2.3	-0.3	-6.2	10.1
	Industri lain	-7.8	4.4	-1.9	6.9	-3.0	4.0	-9.7	-2.9	4.7	6.9	-7.2
241												
(24101 &												
24102 &	Pembuatan besi dan keluli asas	5.7	-5.5	-4.5	5.4	5.0	-6.1	-0.3	-3.9	0.6	-3.2	-0.3
24103 &												
24104 &												
24109)												
242												
(24201 &	Pembuatan logam asas berharga dan logam bukan ferus lain	9.9	-7.9	-4.4	5.0	12.6	-2.4	3.5	2.9	-4.5	-5.6	0.9
24202 &												
24209)												
243	Pengacuan logam	-2.3	-3.9	-3.6	5.2	3.4	-6.0	-0.4	-7.9	0.6	-0.5	-2.3
251 &												
252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	1.9	-0.9	0.4	1.6	5.6	-4.8	-0.1	-0.8	1.1	-2.3	2.4
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan											
&	pintu pagar daripada logam	3.6	-1.0	-1.0	-1.9	1.2	-3.7	-1.0	-0.4	2.5	-3.6	2.9
25119	Pembuatan produk struktur logam lain											
25120	Pembuatan tangki, takungan dan kontena daripada logam	-0.7	-0.3	2.5	6.3	12.4	-5.8	0.4	-0.5	-1.3	-0.2	2.3
	Industri lain	2.0	-2.7	-0.2	2.6	2.1	-5.9	2.5	-3.6	2.0	-2.5	0.3
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	4.6	-4.2	1.1	7.0	3.7	-0.7	-0.4	1.3	-2.0	-4.0	2.0
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-2.2	-3.4	3.1	6.8	-2.4	-1.1	-7.3	-2.2	-2.3	-0.4	1.1
25920	Rawatan dan penyalutan logam; menggunakan mesin	1.9	-3.6	-7.4	2.7	10.3	-1.0	-5.1	2.2	-4.7	-0.7	-0.9
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-1.3	-4.8	8.2	12.8	0.0	-1.2	-3.2	-1.4	-2.9	-4.2	3.3
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	5.2	-1.4	1.2	7.6	9.3	-1.9	-1.4	4.9	-0.8	-5.6	6.0
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya											
25994	Pembuatan barangan rumah daripada logam	0.7	-1.3	6.4	0.9	3.8	-0.9	-0.5	-1.0	-0.2	-0.2	-0.7
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	12.3	-8.5	-0.9	5.0	4.3	2.8	11.3	-2.2	-1.3	-7.2	1.3
	Industri lain	15.9	-0.1	3.7	10.4	-10.5	-6.5	-5.7	22.0	-1.9	0.02	-7.0
261	Pembuatan komponen dan papan elektronik	3.2	-3.4	-7.5	6.6	-2.8	-4.5	-7.8	4.6	-2.7	-2.5	0.05
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya											
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	2.9	-2.7	-4.3	3.6	-1.4	-5.1	-7.7	3.0	1.1	-2.4	-3.3
26103	Pembuatan kapasitor dan perintang elektrik											
&												
26104	Pembuatan papan litar bercetak	3.6	-5.0	-13.4	13.0	-6.9	-3.7	-8.6	8.1	-10.3	-2.8	7.1
&												
26105	Pembuatan komponen paparan											
26109	Pembuatan komponen lain untuk aplikasi elektronik	5.3	0.1	-11.5	7.4	7.1	-2.3	-1.4	0.1	2.0	-1.2	-0.7
262												
(26201 &	Pembuatan komputer dan kelengkapan peranti	-5.1	-0.3	2.9	8.6	-5.8	0.4	-13.3	3.1	-8.7	4.8	5.3
26202)												
263/												
26300	Pembuatan peralatan komunikasi	-0.2	-6.3	-9.9	10.3	0.8	1.7	-1.1	-3.1	0.8	-4.5	-4.5
264/												
26400	Pembuatan peralatan elektronik pengguna	-3.9	-5.5	8.9	6.3	-13.6	-20.2	-0.4	-7.3	7.1	-9.6	2.5
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	-11.6	20.0	3.9	2.4	-0.9	20.0	-22.3	4.0	6.5	4.4	9.2
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	-12.6	22.2	3.4	2.8	-1.1	21.5	-23.7	4.7	7.1	5.1	9.9
26512	Pembuatan kelengkapan kawalan proses perindustrian											
26520	Pembuatan jam tangan dan jam dan bahagiannya	2.7	-6.6	10.8	-2.9	2.0	-3.1	-1.5	-4.6	0.03	-4.0	-0.6
266/												
26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	2.3	1.3	-13.0	2.2	13.8	-2.9	-7.7	4.8	-3.0	5.6	-4.5

2024														Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
-0.2	-0.4	0.4	3.6	0.3	2.0	2.8	-3.6	-3.5	1.5	-0.2	0.5	-0.6	0.3	Manufacture of non-metallic mineral products
														Manufacture of refractory mortars and concretes
2.8	-3.0	1.9	0.9	-0.1	-2.9	12.5	-4.2	-0.1	6.1	-4.6	-1.1	-1.0	-3.1	Manufacture of non-refractory ceramic
-1.5	1.0	2.2	0.8	-2.4	0.6	3.5	-12.0	1.6	0.4	-1.3	10.8	-1.0	5.2	Manufacture of other porcelain and ceramic products
-2.5	-1.4	-4.6	4.1	-4.3	1.2	7.9	1.5	-20.6	-0.3	-2.7	3.6	-2.6	8.8	Manufacture of hydraulic cement
0.7	-0.2	0.2	5.4	-1.1	1.1	3.0	0.2	-2.4	3.9	-0.9	-2.1	0.9	-0.5	Manufacture of ready-mix and dry-mix concrete and mortars
														Manufacture of precast concrete, cement or artificial stone articles for use in construction
-0.6	2.8	-2.0	3.0	0.5	6.0	-4.4	-1.6	-5.1	2.2	-0.5	2.3	-0.6	1.6	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
														Manufacture of other articles of concrete, cement and plaster n.e.c.
-1.4	-4.9	7.7	4.0	3.6	-0.4	9.4	-9.1	2.1	-5.9	-0.4	2.9	0.3	-5.0	Manufacture of other non-metallic mineral products n.e.c.
1.4	-2.4	0.9	4.7	2.3	-1.5	6.4	-7.7	-0.1	4.3	7.6	-7.4	-3.6	1.4	Other industry
-3.7	-3.0	0.6	1.9	-0.8	0.3	13.5	1.3	-8.1	2.5	-2.7	-2.4	-2.2	-2.8	Manufacture of basic iron and steel
-2.7	-1.8	-2.9	2.3	1.1	0.5	8.8	5.0	3.7	-3.4	-0.3	-0.1	-2.8	-0.3	Manufacture of basic precious and other non-ferrous metals
1.3	-5.9	2.0	2.9	2.1	-2.1	5.8	3.8	-1.9	-6.4	4.4	-7.8	0.1	0.6	Casting of metals
-1.9	1.1	-0.4	-0.2	-0.9	0.4	7.7	3.6	-4.1	-0.8	-4.7	3.6	-1.5	2.4	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
														Manufacture of metal doors, windows and their frames, shutters and gates
-2.2	0.8	-1.1	-1.4	-1.4	-0.5	3.5	4.9	-9.5	2.6	-4.3	4.1	-1.1	0.4	Manufacture of other structural metal products
-1.6	2.4	-0.2	1.6	-1.2	1.7	15.9	2.8	-0.4	-2.8	-5.7	3.9	-1.9	5.2	Manufacture of tanks, reservoirs and containers of metal
-1.2	-1.1	2.7	-0.3	2.0	0.2	-0.5	0.2	7.1	-7.2	-3.1	0.4	-1.3	1.0	Other industry
-1.9	-0.5	1.8	2.9	1.5	0.2	8.0	-1.1	-0.3	-0.4	-0.6	1.3	-1.6	-2.0	Manufacture of other fabricated metal products; metal working service activities
-4.4	3.1	3.4	1.3	0.8	-0.6	13.0	-8.6	-2.1	0.6	-0.1	1.3	-4.9	3.2	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
0.3	-0.9	-9.4	-0.3	-0.9	-1.1	24.7	-5.4	2.7	-0.7	0.8	-0.5	-5.5	-1.1	Treatment and coating of metals; machining
-1.2	0.2	8.5	5.6	1.5	7.4	-1.4	0.3	-0.3	-4.4	-0.2	4.0	-1.3	2.7	Manufacture of tins and cans for food products, collapsible tubes and boxes
														Manufacture of metal cable, plaited bands and similar articles
-1.6	-0.7	0.01	3.2	3.2	-0.6	7.6	2.0	3.0	0.9	-4.4	0.7	1.8	-4.6	Manufacture of bolts, screws, nuts and similar threaded products
-0.7	7.4	-0.8	0.8	-0.01	-0.5	3.1	1.4	2.5	-3.4	-0.5	3.2	-2.9	2.3	Manufacture of metal household articles
-1.9	-3.6	3.9	3.1	1.7	-2.2	4.2	3.7	-2.1	0.3	2.8	1.9	-2.1	-6.1	Manufacture of any other fabricated metal products n.e.c.
-1.1	-0.3	7.6	6.5	0.3	0.9	7.8	-6.8	-12.4	-1.7	0.2	-2.9	2.5	1.7	Other industry
-1.6	-8.5	1.6	3.3	-0.4	-0.5	13.5	-9.6	0.3	-3.1	-4.1	2.5	-0.3	-8.1	Manufacture of electronic components and boards
0.7	-5.2	2.0	0.9	-0.7	-2.4	14.0	-9.2	1.4	-1.3	-4.6	-1.8	3.3	-4.1	Manufacture of diodes, transistors and similar semiconductor devices
														Manufacture of electronic integrated circuits micro assemblies
														Manufacture of electrical capacitors and resistors
-6.3	-15.4	3.0	7.7	-0.3	3.8	12.7	-11.9	-1.2	-7.7	-3.4	12.7	-7.3	-18.4	Manufacture of printed circuit boards
														Manufacture of display components
1.1	-6.3	-13.2	9.9	3.9	-2.9	12.2	3.0	-5.2	2.7	-1.4	-1.2	-0.5	2.6	Manufacture of other components for electronic applications
-9.9	6.3	-0.2	6.5	-1.4	-0.1	17.6	-13.1	-0.5	-6.1	1.6	3.6	2.7	7.1	Manufacture of computers and peripheral equipment
4.9	-16.1	10.6	-4.0	-0.9	21.1	-8.2	-1.5	3.9	-1.9	-2.4	5.8	1.2	-7.0	Manufacture of communication equipment
2.4	-1.1	7.1	8.0	-0.4	-0.3	-1.6	0.5	-14.8	-10.7	-8.8	3.9	-7.0	-22.2	Manufacture of consumer electronics
7.4	-3.9	-0.5	1.7	-0.8	-0.1	6.9	-12.2	8.1	7.2	1.7	7.5	13.8	-5.4	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
														Manufacture of measuring, testing, navigating and control equipment
8.0	-4.9	-0.3	1.8	-0.9	0.1	7.5	-13.1	8.7	7.6	2.2	7.5	14.7	-5.8	Manufacture of industrial process control equipment
-2.4	14.8	-2.8	0.4	0.4	-3.1	-1.7	4.6	-0.6	0.2	-6.2	6.4	-2.8	1.8	Manufacture of watches and clocks and parts
-1.9	-8.6	-3.1	-0.2	-0.3	-1.9	15.3	1.3	4.3	0.4	-4.1	4.1	-9.3	10.7	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual Table **1.6c** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peraturan Bulanan/Suku Tahunan
: Salaries and Wages Paid of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024		2023				
		Q1	Q2	Q3	Q4	Q1	Q2	Jan.	Feb.	Mac	Apr.	Mei
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	0.6	-2.3	0.7	6.5	5.6	-6.3	-9.7	-2.3	11.3	-8.1	-2.9
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	1.8	-7.0	3.1	0.1	2.1	1.9	-1.7	-6.5	2.4	-9.3	4.8
27101	Pembuatan motor elektrik, penjana dan transformer	-3.9	2.5	6.1	3.1	-1.2	-2.0	4.8	-12.2	-1.7	3.5	5.1
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	5.2	-12.3	1.2	-2.0	4.5	4.5	-5.3	-3.0	4.6	-16.0	4.6
272/ 27200	Pembuatan bateri dan akumulator	4.6	-2.4	7.0	1.4	-0.2	10.5	-2.7	6.9	-3.1	-6.0	10.2
273	Pembuatan pendawaian dan peranti pendawaian	-5.4	-3.4	1.7	-9.5	-5.3	-5.1	-4.8	-0.7	-5.1	-6.1	6.6
27310	Pembuatan kabel gentian optikal	-16.0	13.9	3.9	-1.6	-10.9	14.6	-22.4	1.2	-2.3	3.3	17.1
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	-4.3	-4.9	1.4	-10.4	-5.4	-7.4	-3.5	-0.8	-5.4	-6.7	5.3
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-11.2	-1.4	4.1	-4.6	13.1	3.1	10.0	-0.2	-2.5	-10.1	17.6
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-8.0	-11.2	21.4	4.1	1.9	-4.7	-6.3	-3.6	-15.5	-5.3	6.5
275/ 27500	Pembuatan perkakasan domestik	5.8	4.2	8.5	-8.2	-1.8	-14.6	1.9	4.8	-1.4	-20.1	44.6
279/ 27900	Pembuatan kelengkapan elektrik lain	0.7	-10.9	3.3	9.3	-0.3	6.9	-6.3	-3.9	-5.4	-10.7	3.8
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-0.1	-6.0	0.4	5.0	-0.8	-6.9	-4.4	-2.1	-3.6	-2.1	-0.7
28120 & 28130	Pembuatan alat-alat kuasa bendalir	-10.1	4.4	2.5	6.1	-39.2	-0.4	-20.3	-1.5	1.5	2.2	2.5
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	-8.5	-0.5	1.8	4.4	-7.1	-5.8	-8.9	-4.3	4.3	-3.7	2.3
28192	Pembuatan jentera pembentukan logam dan alatan mesin	-8.4	-18.4	-2.7	4.7	17.9	-15.4	-19.8	5.0	-3.6	-16.8	-1.0
28290	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	8.9	-5.2	-12.3	0.5	5.3	-3.9	-0.5	0.9	-10.2	2.4	-1.2
	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	7.2	-5.7	3.9	6.3	2.2	-5.8	6.9	-4.6	-5.8	2.1	-2.4
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-8.5	1.3	1.8	3.2	-9.3	-6.8	-15.3	0.6	-7.9	5.2	2.0
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	5.1	-4.5	10.8	7.9	-4.2	-3.1	4.6	-0.8	-8.7	0.6	2.6
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-1.2	7.0	-5.4	4.0	-2.5	11.8	-8.6	3.1	1.6	3.8	1.7
301 (30110 & 30120)	Pembinaan kapal dan bot	11.6	-1.3	1.3	8.7	7.9	-1.3	2.6	1.7	19.2	-14.9	4.6
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	3.1	-0.8	-4.4	1.5	2.7	1.3	1.5	2.1	0.9	-0.9	0.5
30910	Pembuatan motosikal	4.1	1.1	-2.2	2.2	1.2	1.6	3.3	3.7	0.9	1.1	-0.4
30920	Pembuatan basikal dan invalid carriages	-2.3	-5.2	-20.2	-6.7	-2.2	1.8	-6.4	0.7	2.1	-4.4	-1.7
	Industri lain	3.8	-2.7	-1.2	3.4	8.4	0.4	1.8	-0.6	0.3	-3.7	3.9
310	Pembuatan perabot	5.5	-4.0	0.7	4.4	0.8	-4.3	5.6	-3.3	-0.7	-3.0	2.8
31001	Pembuatan perabot kayu dan rotan	6.5	-2.8	0.6	4.1	1.2	-4.8	7.0	-3.8	-0.7	-3.7	6.1
	Industri lain	1.3	-9.0	1.5	5.4	-1.2	-2.3	-0.1	-0.9	-0.5	-0.4	-10.6
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	-2.8	-9.8	1.6	10.3	-1.3	-1.4	-15.4	-5.0	2.9	-2.0	-7.9
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubahan dan peragian dan pembuatan lain t.t.t.l.	-2.1	0.4	2.8	5.0	-1.4	-0.6	-2.8	-1.2	-3.2	-0.9	7.3
32901	Pembuatan alat tulis	0.4	-2.9	8.1	-4.8	0.1	-2.4	-3.8	5.6	-2.4	-6.0	5.5
	Industri lain	-2.8	1.3	1.4	7.6	-1.7	-0.1	-2.5	-2.9	-3.4	0.5	7.8
323/ 32300	Pembuatan barangan sukan	1.5	-7.2	-10.9	-0.1	0.3	-8.3	-0.9	5.5	0.2	-8.8	4.6
324/ 32400	Pembuatan permainan dan mainan	-1.8	4.0	0.3	1.8	-18.7	13.5	-12.4	-0.4	6.6	-7.1	8.8
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	4.8	-0.9	-4.8	4.8	2.1	-0.9	0.3	0.9	-0.3	1.8	-2.4
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	6.2	-5.0	-9.3	25.6	-0.9	-1.7	-4.5	6.0	-4.1	-1.2	-3.2
	Industri lain	4.4	0.2	-3.6	-0.5	3.0	-0.6	1.7	-0.6	0.9	2.6	-2.1
Jumlah Pembuatan		0.8	-1.4	-0.4	4.0	-0.9	-1.3	-4.4	-0.2	0.1	-1.9	1.0

2024														Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	
5.6	-4.5	2.1	3.8	0.4	0.8	6.5	-4.1	3.6	8.4	-10.0	-5.6	4.7	-3.2	Manufacture of optical instruments, photographic equipment, magnetic and optical media
0.3	2.5	-1.2	-1.1	-2.1	-2.4	15.2	-2.8	-4.3	-1.5	-1.6	8.5	1.5	0.4	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
3.9	-2.4	5.0	2.7	0.4	-2.3	2.3	5.5	-11.4	2.1	-7.6	11.9	3.1	2.7	Manufacture of electric motors, generators and transformers
-2.0	5.8	-5.0	-3.7	-4.0	-2.4	25.2	-8.1	0.8	-3.9	2.4	6.5	0.5	-1.1	Manufacture of electricity distribution and control apparatus
-8.5	8.0	1.6	2.2	-0.01	-0.4	-1.0	-6.5	13.5	-3.8	3.5	8.9	-2.1	-2.3	Manufacture of batteries and accumulators
6.7	-4.8	1.7	-2.4	-4.1	-5.0	-3.8	0.9	-2.8	-0.4	-12.1	14.8	-1.4	5.4	Manufacture of wiring and wiring devices
0.5	-1.6	-0.5	1.7	2.1	-12.0	12.2	-13.5	0.3	-1.3	6.3	9.1	7.0	-1.8	Manufacture of fibre optic cables
7.5	-5.1	1.8	-2.8	-4.8	-4.4	-5.5	2.2	-3.4	0.1	-14.8	16.2	-2.5	6.6	Manufacture of other electronic and electric wires and cables
-0.3	-4.1	6.4	-2.4	-3.7	-1.2	-1.4	13.7	6.0	-8.7	6.9	0.1	1.5	0.3	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
6.3	9.8	7.2	-2.1	-2.6	-3.4	25.3	-8.8	-3.4	0.03	-11.0	10.6	3.5	10.8	Manufacture of electric lighting equipment
-0.3	-1.8	1.7	-5.4	-5.2	-1.0	1.7	-3.4	0.3	2.0	-23.9	15.8	0.2	-2.8	Manufacture of domestic appliances
7.1	-5.0	2.1	3.9	4.4	-6.2	17.5	-0.8	-12.8	3.3	4.7	3.1	8.0	-8.1	Manufacture of other electrical equipment
-0.9	-0.7	2.6	1.0	0.9	-0.5	8.7	-3.5	-1.7	-3.9	-2.2	-2.0	-0.6	2.2	Manufacture of general-purpose and special-purpose machinery
-0.1	0.1	2.6	-0.3	0.3	-5.1	27.0	-45.6	-2.4	-2.7	-1.8	6.5	-0.2	1.2	Manufacture of fluid power equipment
														Manufacture of other pumps, compressors, taps and valves
														Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
1.2	-1.5	2.3	0.8	-0.9	2.5	6.8	-9.6	1.1	-9.2	-1.5	3.0	-0.8	4.7	Manufacture of metal-forming machinery and machine tools
-1.6	-0.4	-1.9	1.0	0.8	1.2	9.3	5.8	9.2	-3.8	-15.2	-0.8	0.03	-1.0	Manufacture of air-conditioning machines, including for motor vehicles
0.3	-1.3	-17.4	2.4	3.9	-1.7	9.3	5.9	-7.7	-1.7	2.5	-5.3	3.2	-1.4	Manufacture of other special-purpose machinery
-2.2	-0.4	9.6	1.0	1.2	-1.2	6.2	2.6	-4.7	-2.5	0.8	-4.4	-1.5	3.0	Other industry
0.9	-1.2	3.5	-1.6	0.1	-1.3	11.7	-12.0	-0.6	-10.2	-0.7	2.0	-0.7	-1.5	Manufacture of motor vehicles
-1.6	1.7	11.1	4.9	-0.6	-0.3	5.8	-5.1	-0.2	-7.6	2.1	0.2	-0.2	3.0	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-0.2	-4.7	-1.9	0.2	1.0	0.2	9.9	-9.9	2.3	0.2	10.5	1.0	-1.0	-3.6	Manufacture of parts and accessories for motor vehicles
-0.5	-2.0	2.0	2.4	0.9	7.6	0.9	2.8	-3.9	14.2	-10.1	2.6	0.8	-1.4	Building of ships and boats
-4.6	0.01	-3.8	3.2	2.5	-3.8	2.4	-0.3	2.6	2.7	-1.0	1.5	-3.9	0.3	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
-4.7	-1.8	2.1	5.0	2.5	-7.4	2.7	0.9	-0.9	5.1	-1.3	1.8	-3.8	-2.2	Manufacture of motorcycles
-3.9	-1.2	-25.2	1.0	-2.9	9.3	0.01	-4.7	0.2	-1.2	0.1	3.7	0.2	16.8	Manufacture of bicycles and invalid carriages
-4.5	5.2	-6.4	-0.4	4.7	0.3	2.9	-1.2	11.9	-0.9	-0.8	0.2	-5.7	-0.1	Other industry
-3.8	0.7	0.7	3.5	0.01	0.3	4.5	0.0	-3.1	-0.5	-2.9	2.1	-4.2	0.2	Manufacture of furniture
-3.9	-0.5	0.8	3.5	-0.4	0.2	5.4	-0.1	-3.3	-0.2	-3.7	2.4	-4.4	-0.9	Manufacture of wooden and cane furniture
-3.3	6.4	0.4	3.5	2.0	1.0	0.6	0.2	-2.3	-2.0	0.5	0.6	-3.2	5.2	Other industry
-9.0	11.0	-0.8	2.9	1.1	9.4	3.2	-9.1	4.4	1.1	-2.4	-0.1	-3.1	1.1	Manufacture of jewellery, bijouterie and related articles
-2.4	-0.2	2.9	1.1	0.6	-0.3	8.5	-6.8	0.8	-0.4	-0.7	0.7	-0.6	3.0	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-1.4	4.1	7.6	-5.7	-3.1	-2.1	3.7	-0.6	-0.01	-2.9	-2.5	2.0	2.7	3.6	Manufacture of stationery
-2.7	-1.3	1.6	3.0	1.6	0.2	9.7	-8.2	0.9	0.2	-0.3	0.4	-1.3	2.9	Other industry
-9.0	6.3	-15.9	-5.3	15.1	-5.3	-2.3	5.2	-3.0	2.1	-9.6	5.4	-7.2	6.6	Manufacture of sports goods
4.3	-9.0	6.1	0.8	-3.3	-7.3	24.8	-30.4	-0.2	11.9	6.0	-0.3	-0.8	-1.0	Manufacture of games and toys
-3.7	-1.5	-0.3	0.2	0.5	3.8	4.9	-2.8	0.6	0.1	1.5	-2.4	-3.0	-1.9	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
-2.6	-8.0	1.5	1.3	3.7	18.3	18.2	-19.3	9.3	-3.8	3.4	-6.7	-2.5	-20.0	Repair and maintenance of transport equipment except motorcycles and bicycles
-4.0	0.3	-0.8	-0.1	-0.3	-0.1	0.7	3.5	-1.9	1.4	0.9	-1.1	-3.1	3.6	Other industry
-0.6	-1.5	0.9	1.7	0.1	0.04	7.3	-4.5	-1.3	-0.2	-1.4	1.0	0.1	-0.9	Total Manufacturing

Jadual 2 : Pengeluaran Produk Utama dalam Industri Pembuatan yang Terpilih
Table : Production of Major Products in Selected Manufacturing Industries

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2022	2023	2023				
				Jan.	Feb.	Mac	Apr.	Mei
Ikan tin Canned fish	Tan Tonne	5,751	5,748	488	500	572	495	498
Ikan segar sejuk beku Frozen fish	Tan Tonne	15,551	19,660	1,226	1,337	1,392	1,395	1,465
Bebola ikan Fish ball	Tan Tonne	7,609	7,794	535	439	546	659	751
Sotong sejuk beku Frozen cuttle fish/squid	Tan Tonne	6,613	7,063	512	532	606	568	622
Udang geragau/udang sejuk beku Frozen shrimps/prawns	Tan Tonne	15,676	17,266	1,454	1,501	1,605	1,543	1,468
Jem (semua jenis) Jams (all types)	Tan Tonne	10,381	11,851	845	1,051	1,125	758	994
Minyak kelapa mentah Coconut (copra) oil and its fraction crude	Tan Tonne	19,293	18,795	1,764	1,851	1,874	1,694	1,534
Minyak kelapa, ditapis Coconut oil, refined	Tan Tonne	77,053	73,933	6,742	4,833	4,578	5,927	6,469
Lemak doh/shortening Dough fats/shortening	Tan Tonne	168,717	158,613	13,952	14,046	11,907	12,140	11,815
Marjerin Margerine	Tan Tonne	64,079	73,536	6,420	6,340	5,231	5,455	5,076
Minyak masak campuran Blended/deodorised cooking oil	Tan Tonne	449,191	481,565	31,903	39,165	50,943	41,344	40,776
Susu pekat manis Sweetened condensed milk	Tan Tonne	431,843	469,591	34,290	32,032	33,185	32,398	37,643
Minuman susu Milk drinks	Liter ('000) Litres ('000)	90,600	120,976	7,392	7,815	7,351	7,559	8,696
Beras Whole rice	Tan Tonne	756,333	683,766	52,499	75,233	73,227	56,227	58,584
Beras hancur Broken rice	Tan Tonne	83,440	102,686	7,044	9,205	10,056	8,589	10,643
Tepung gandum Wheat flour	Tan Tonne	1,003,321	1,003,698	85,194	80,665	77,355	69,774	78,311
Roti dan kek Bread and cakes	Tan Tonne	483,325	599,866	46,706	57,507	50,801	46,250	49,754
Mee dan bihun Mee and bihun	Tan Tonne	271,986	260,710	25,519	27,765	24,975	22,304	20,393
Sos dan bahan perasa Sos and flavoring ingredients	Tan Tonne	81,282	93,755	8,963	8,892	7,094	7,257	5,803
Kelapa kering Desiccated coconuts	Tan Tonne	4,968	4,646	356	402	456	490	466
Makanan ayam itik campuran Mixed poultry feed	Tan Tonne	2,076,296	2,386,374	204,045	172,901	185,917	199,776	187,501
Hidangan ikan Fish meals	Tan Tonne	131,999	106,406	10,446	10,098	11,790	13,526	10,074
Biskut Biscuits	Tan Tonne	148,395	124,962	11,277	12,190	12,653	10,471	10,765
Gula bertapis Refined sugar	Tan Tonne	1,725,619	1,981,898	145,457	154,114	169,973	179,867	167,322
Minuman manis berkarbonat Sweet beverages (carbonated)	Liter ('000) Litres ('000)	255,335	357,856	23,795	25,078	26,245	28,616	29,377

2024													
Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
497	454	473	462	441	422	446	567	487	615	513	545	525	461
1,601	1,850	1,803	1,783	2,096	1,800	1,914	1,631	1,412	1,518	1,417	1,506	1,692	1,857
750	732	728	725	756	606	567	668	516	694	858	985	922	880
723	605	604	604	677	509	502	504	398	571	553	639	667	539
1,433	1,211	1,381	1,401	1,422	1,456	1,391	1,666	1,626	1,996	1,975	2,097	1,947	1,692
1,129	1,058	1,040	999	948	941	962	1,044	675	697	773	790	811	764
1,347	1,452	1,386	1,524	1,510	1,462	1,397	1,769	1,800	1,980	1,900	1,864	1,624	1,644
6,385	7,328	6,950	7,412	7,159	5,080	5,071	5,652	4,005	4,075	5,603	6,454	5,978	6,162
12,823	12,757	13,017	13,524	14,566	14,449	13,617	13,488	11,799	10,637	12,821	12,503	13,621	14,137
6,226	6,424	6,707	6,490	7,258	6,380	5,529	6,562	7,018	6,092	7,238	6,757	8,366	8,869
36,215	33,837	33,729	40,055	43,327	42,980	47,291	46,502	38,326	36,909	39,659	36,209	33,436	28,091
44,054	51,633	44,616	45,341	39,115	36,164	39,118	39,248	39,708	41,263	35,134	42,701	46,271	50,471
10,086	12,117	11,923	12,666	12,224	12,260	10,887	10,958	9,516	9,001	8,016	9,595	10,596	12,966
50,174	51,666	50,109	64,642	52,051	49,452	49,901	47,524	53,086	54,190	58,709	66,017	53,036	54,718
8,663	9,412	8,246	8,253	7,252	7,443	7,880	7,803	7,577	8,487	9,915	13,208	10,344	11,366
77,293	80,987	89,958	89,306	88,539	96,778	89,540	88,728	90,120	63,457	64,667	74,265	71,244	69,733
53,949	60,276	50,333	47,111	46,071	49,337	41,773	46,866	74,165	68,821	63,945	65,334	76,087	81,228
18,568	19,258	18,613	20,594	19,775	21,985	20,962	23,469	24,119	20,683	22,280	21,629	19,682	20,981
7,115	7,630	8,228	8,359	8,189	8,088	8,136	9,773	9,247	7,351	6,029	6,041	7,195	7,906
434	360	329	352	386	332	283	281	285	345	417	346	329	256
171,765	198,292	209,858	200,231	207,465	216,561	232,064	216,342	175,096	192,375	199,476	179,888	160,106	177,267
7,413	7,502	8,099	7,511	6,902	6,865	6,180	6,922	6,888	8,175	8,995	6,261	5,208	4,967
9,412	8,173	8,475	8,984	11,140	10,517	10,905	11,728	12,730	12,957	12,534	12,340	11,264	10,018
164,979	171,212	156,720	164,787	167,954	159,152	180,360	167,446	155,467	176,536	173,478	144,731	140,421	160,308
30,923	31,143	31,421	31,463	31,577	30,400	37,818	38,301	32,522	34,378	36,305	38,079	41,348	40,729

Jadual 2 : Pengeluaran Produk Utama dalam Industri Pembuatan yang Terpilih
Table : Production of Major Products in Selected Manufacturing Industries

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2022	2023	2023				
				Jan.	Feb.	Mac	Apr.	Mei
Minuman manis tidak berkarbonat Sweet beverages (non-carbonated)	Liter ('000) Litres ('000)	2,077,269	2,025,653	178,192	188,186	192,169	192,361	172,234
Air mineral dan minuman Mineral and drinking water	Liter ('000) Litres ('000)	643,820	709,585	37,284	52,130	44,817	47,685	60,080
Kain kapas Cotton cloth	Meter ('000) Metres ('000)	61,170	41,668	3,373	3,278	3,028	3,418	3,430
Seluar lelaki Pants, males	Bilangan ('000) Number ('000)	3,842	2,433	328	342	357	360	283
Kemeja lelaki Shirts, males	Bilangan ('000) Number ('000)	14,032	15,444	1,405	1,247	1,090	1,181	1,305
Blaus Blouses	Bilangan ('000) Number ('000)	4,341	3,297	295	310	311	338	311
Pakaian perempuan Dresses	Bilangan ('000) Number ('000)	2,353	2,270	171	182	204	229	196
Kasut getah (semua jenis) Rubber footwear (all types)	Pasang ('000) Pairs ('000)	2,062	1,835	164	169	175	208	142
Kiln kayu kering Kiln dried timber	Tan Tonne	151,050	138,378	11,006	11,062	12,827	12,994	10,548
Kayu gergaji Rubberwood (sawn)	Tan Tonne	165,191	122,365	10,639	12,211	9,268	10,352	9,678
Kepingan venir Veneer sheets	Meter Padu Cubic metre	338,186	284,746	23,817	27,994	32,305	32,578	28,378
Papan gentian berkepadatan sederhana Medium density fibreboard	Meter Padu Cubic metre	2,143,469	2,622,634	201,203	235,274	200,086	184,479	118,195
Papan lapis Plywood	Meter Padu Cubic metre	3,956,588	4,365,151	233,036	317,336	358,212	315,158	393,850
Ukiran kayu Timber moulding	Meter Padu Cubic metre	45,564	46,997	3,328	3,286	3,973	4,575	4,493
Kayu balak siap Dressed timber	Meter Padu Cubic metre	7,617	6,343	852	709	680	784	623
Rak dan beg kertas Sacks and bags of paper	Bilangan ('000) Number ('000)	372,939	331,989	33,310	32,482	30,427	27,986	26,999
Kertas tisu Tissue paper	Tan Tonne	95,013	85,245	6,917	6,858	7,042	7,570	7,328
Kertas napkin Napkin paper	Tan Tonne	3,831	2,111	171	199	260	258	264
Kertas tandas Toilet paper	Tan Tonne	67,708	46,047	4,000	4,495	4,895	4,494	4,308
Minyak tanah Kerosene	Tan Tonne	3,157,887	3,275,428	274,589	207,240	316,930	305,623	314,510
Gas petroleum cecair Liquefied petroleum gas	Tan Tonne	2,677,740	2,524,079	228,283	226,457	215,490	232,599	258,426
Minyak bahan api Fuel oil	Tan Tonne	1,990,382	1,935,352	183,132	110,218	144,543	132,926	150,716
Minyak diesel/gas Diesel/ gas oil	Tan Tonne	15,412,400	16,187,264	1,424,840	1,543,133	1,772,586	811,203	1,065,404
Gasolin (spirit motor) Gasoline (motor spirit)	Tan Tonne	6,466,006	4,639,314	335,806	396,975	426,631	404,507	527,974
Minyak pelincir campuran Blended lubricating oil	Tan Tonne	144,668	186,354	12,511	11,557	12,410	12,168	14,624
Nafta Naphtha	Tan Tonne	3,258,599	2,974,988	271,062	248,478	218,498	273,287	283,120

2024													
Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
146,375	150,214	154,858	155,300	161,386	164,059	170,320	175,017	153,946	164,805	157,307	144,786	132,369	130,896
60,220	67,817	69,401	81,544	69,223	64,516	54,870	45,346	52,690	39,526	52,711	65,351	70,556	71,242
3,275	2,949	3,245	3,323	3,719	4,604	4,025	4,101	5,339	4,819	5,399	6,234	5,860	5,179
125	101	101	124	132	102	79	100	95	131	122	84	33	32
1,367	1,425	1,294	1,180	1,369	1,349	1,230	1,442	1,269	1,255	1,332	1,427	1,435	1,536
305	292	255	241	215	215	208	290	277	299	321	286	254	259
203	202	204	187	177	167	148	155	151	193	213	178	173	179
133	124	114	135	179	159	133	120	121	132	135	93	96	84
11,362	14,403	12,517	13,063	10,158	10,016	8,422	7,802	7,162	11,162	13,634	13,548	14,280	15,513
9,024	9,828	9,252	10,871	14,158	9,486	7,598	9,522	10,698	10,113	13,223	14,833	13,290	13,308
24,596	20,735	21,600	20,446	21,385	17,294	13,618	16,941	19,245	17,694	19,541	10,733	13,149	10,552
119,393	175,173	273,432	249,702	270,590	297,108	297,999	242,756	287,791	250,672	200,194	185,950	147,463	180,044
397,296	380,932	386,102	364,623	400,666	417,093	400,847	414,852	461,286	476,305	437,668	409,641	467,737	426,992
3,220	3,087	3,923	3,954	4,696	4,575	3,887	3,118	3,343	4,054	4,903	4,787	3,316	3,358
389	310	319	362	399	379	537	808	723	699	847	668	385	311
25,885	24,416	26,382	26,263	25,534	26,713	25,592	26,400	28,551	26,511	25,697	24,506	22,804	22,327
7,444	7,421	7,380	6,659	5,981	7,484	7,160	6,954	6,522	6,700	6,865	6,690	7,301	7,459
229	193	155	119	91	86	87	95	99	129	119	123	135	135
4,055	4,302	3,236	2,800	2,804	3,508	3,150	3,094	3,406	3,685	3,181	3,089	3,409	3,682
388,860	192,840	225,382	282,831	250,123	258,425	258,076	253,995	190,453	311,056	292,481	411,133	474,660	252,813
236,276	188,737	209,913	206,687	192,568	199,499	129,144	136,970	222,607	212,854	223,760	268,505	228,952	212,700
193,969	153,195	209,673	195,261	161,661	145,775	154,283	153,465	131,820	176,134	166,257	194,274	218,603	188,277
1,193,439	1,107,947	1,415,154	1,485,982	1,374,917	1,531,166	1,461,492	1,312,278	1,419,683	1,607,736	723,593	1,281,299	1,355,676	1,448,086
394,997	378,221	444,439	446,331	390,039	250,727	242,667	215,923	253,667	257,685	242,704	394,924	427,782	484,501
14,518	14,212	18,958	18,900	18,920	19,402	18,174	16,928	15,949	17,035	17,188	18,666	20,384	19,797
380,488	205,252	222,786	215,250	199,641	295,999	161,127	172,666	242,018	228,330	277,386	360,008	494,869	283,453

Jadual 2 : Pengeluaran Produk Utama dalam Industri Pembuatan yang Terpilih
Table 2 : Production of Major Products in Selected Manufacturing Industries

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2022	2023	2023				
				Jan.	Feb.	Mac	Apr.	Mei
Gas asli cecair Liquefied natural gas	Tan Tonne	31,283,443	31,279,579	2,751,277	2,594,258	3,044,181	1,987,056	2,712,791
Nitrogen dan oksigen Nitrogen and oxygen	Meter padu ('000) Cubic metre ('000)	610,924	526,966	47,260	48,817	54,618	48,975	42,934
Methanol (methyl alcohol) Methanol (methyl alcohol)	Tan Tonne	4,364,885	5,090,653	374,694	407,881	403,658	320,412	388,091
Baja (termasuk urea) Fertilizers (includes urea)	Tonne Tonne	7,584,494	5,906,343	655,340	452,398	398,842	358,670	426,865
Sebatian P.V.C P.V.C. compound	Tan Tonne	71,331	56,303	5,438	6,038	6,056	5,441	4,584
Racun serangga aerosol (cecair) Aerosol insecticides (liquid)	Liter Litres	6,083,228	5,163,308	418,120	411,624	384,343	389,137	432,745
Racun herba (cecair) Herbicides (liquid)	Liter ('000) Litres ('000)	97,264	91,732	8,996	8,614	8,911	8,927	9,612
Racun herba (bukan cecair) Herbicides (non-liquid)	Tonne Tonne	91,308	57,643	4,845	4,864	5,530	5,460	6,280
Cat emulsi Emulsion paints	Liter ('000) Litres ('000)	58,557	69,896	6,733	6,803	6,007	4,626	6,415
Cat lapis Under-coats	Liter ('000) Litres ('000)	17,875	13,019	1,518	1,598	1,430	1,197	1,556
Cat asas Primers	Liter ('000) Litres ('000)	18,342	21,342	1,508	1,799	1,424	1,064	1,287
Dakwat pencetak Printing ink	Tan Tonne	21,967	21,012	2,266	1,675	1,675	1,619	1,492
Pelembut fabrik Fabric softener	Liter ('000) Litres ('000)	31,289	29,439	2,594	2,605	2,569	2,158	2,849
Sabun mandi Toilet soap	Tan Tonne	15,469	14,935	1,380	1,413	1,388	1,026	1,222
Sabun serbuk (bahan pencuci) Soap powder (detergents)	Tan Tonne	97,339	77,816	6,291	6,243	6,683	5,394	6,896
Pelekat perindustrian Adhesive, industrial	Liter ('000) Litres ('000)	156,135	166,252	13,228	14,684	12,898	13,911	14,166
Tayar pneumatik (semua jenis) Pneumatic tyres (all types)	Bilangan ('000) Number ('000)	6,775	4,753	507	514	445	343	349
Tiub dalam (semua jenis) Inner tubes (all types)	Bilangan ('000) Number ('000)	1,124	788	93	90	64	52	54
Getah mutu malaysia (semua gred) S.M.R. (all grades)	Tan Tonne	686,810	668,508	57,754	59,442	48,306	47,401	47,783
Susu getah diproses Processed latex	Tan Tonne	45,852	50,917	3,275	3,769	3,729	3,849	4,065
Sarung tangan getah Rubber gloves	Pasang (Juta) Pairs (Million)	85,559	66,998	6,065	5,892	7,374	7,002	6,242
Kondom Condom	Gross ('000) Gross ('000)	18,730	21,118	1,547	1,454	1,465	1,997	2,020
Paip P.V.C. P.V.C. pipes	Tan Tonne	98,006	123,126	9,670	11,653	12,461	11,802	9,794
Bata tanah Earthen bricks	Bilangan ('000) Number ('000)	153,283	201,043	13,700	17,458	13,268	17,142	14,890
Jubin seramik Ceramic tiles	M. Persegi ('000) Sq. metres ('000)	26,270	24,753	1,003	1,146	1,859	1,865	2,075

2024													
Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
2,368,951	2,849,003	2,682,100	2,356,975	2,827,151	2,644,124	2,461,711	2,930,110	2,830,335	3,293,275	2,296,557	2,178,371	2,603,478	2,923,077
44,678	43,201	35,453	35,628	38,433	41,554	45,417	45,944	42,849	43,087	42,132	42,601	38,053	36,040
242,304	309,801	482,508	473,473	545,943	561,494	580,394	555,053	536,428	518,656	440,918	498,892	459,146	451,584
475,927	535,863	531,558	559,863	541,973	522,053	446,989	434,307	471,171	473,629	428,788	394,695	469,067	474,196
4,598	4,597	4,590	4,648	3,438	3,390	3,485	3,679	3,749	3,625	3,944	3,546	3,487	3,535
500,884	501,603	502,999	452,079	413,442	370,013	386,319	422,415	413,931	377,944	394,043	356,576	337,765	356,507
8,265	6,995	6,864	5,013	5,792	6,467	7,276	8,842	8,245	7,945	8,166	7,043	5,113	4,590
6,002	5,108	5,101	4,427	3,017	3,178	3,831	2,965	2,962	3,004	3,073	2,309	1,894	1,949
6,554	6,268	6,259	5,599	3,797	5,278	5,556	6,195	6,202	5,309	4,222	4,637	3,974	4,033
1,600	556	561	600	638	805	959	1,007	1,063	890	960	1,296	1,202	816
1,389	1,693	2,144	2,434	2,146	1,965	2,488	1,938	2,116	1,656	1,426	1,833	1,888	2,320
1,493	1,483	1,667	1,908	1,859	1,894	1,982	2,556	1,950	2,075	1,974	2,239	1,989	2,011
2,518	2,216	2,209	1,623	2,384	2,589	3,124	2,389	2,651	2,703	2,372	2,639	2,789	2,318
1,355	1,344	1,383	1,169	877	1,039	1,339	1,348	1,579	1,658	1,271	1,243	1,587	1,378
6,901	6,892	6,956	6,060	7,357	5,781	6,363	6,087	6,590	7,342	6,850	7,577	9,048	8,402
15,779	13,588	12,813	13,611	14,294	13,385	13,897	13,705	13,425	11,673	13,720	13,890	14,641	13,629
352	369	333	337	428	371	405	498	495	459	384	367	378	376
56	61	60	64	68	64	62	83	71	55	49	47	51	52
48,026	51,364	59,510	54,635	62,203	63,258	68,825	63,120	60,695	49,422	46,833	51,480	49,567	52,695
4,564	4,814	5,284	4,940	4,673	3,643	4,312	4,038	3,907	3,888	3,870	4,291	4,933	5,063
5,406	5,211	5,216	4,680	4,591	4,646	4,672	6,083	6,454	7,515	7,423	6,740	5,881	5,791
2,342	1,905	1,579	1,790	1,674	1,557	1,786	1,935	1,812	1,788	2,615	2,518	2,793	2,400
9,643	9,924	8,385	9,289	9,395	10,848	10,262	10,551	10,997	12,930	11,565	11,718	11,558	11,377
13,504	13,481	14,627	15,844	18,276	25,849	23,005	15,569	16,178	13,476	17,896	14,389	12,023	12,377
2,079	2,074	2,093	2,445	2,905	2,038	3,171	1,601	1,910	2,501	2,808	3,110	3,055	3,106

Jadual 2 : Pengeluaran Produk Utama dalam Industri Pembuatan yang Terpilih
Table : Production of Major Products in Selected Manufacturing Industries

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2022	2023	2023				
				Jan.	Feb.	Mac	Apr.	Mei
Simen (semua jenis) Cement (all types)	Tan ('000) Tonnes ('000)	19,856	23,191	1,961	2,496	2,704	1,660	1,630
Konkrit campuran siap Ready mixed concrete	Meter padu ('000) Cubic metre ('000)	37,695	39,836	3,653	3,144	3,342	3,033	2,810
Bumbung genting simen (semua jenis) Cement roofing tiles (all types)	Bilangan ('000) Number ('000)	39,761	42,152	3,645	2,482	3,020	3,460	4,051
Cerucuk, tiang konkrit Piles, poles, posts of concrete	Tan Tonne	1,416,140	1,247,529	97,365	99,515	100,767	101,081	105,043
Pasir silika (diproses) Silica sands (processed)	Tan ('000) Tonnes ('000)	153,159	167,623	11,095	17,083	12,508	9,669	15,069
Selak dan kekeras Bolts and nuts	Tan ('000) Tonnes ('000)	1,011,455	1,090,486	93,671	101,549	90,100	80,637	88,201
Bar dan batang besi dan keluli Iron and steel bars and rods	Tan Tonne	931,443	1,158,514	91,486	111,535	94,582	86,637	87,237
Kepingan besi yang disadur Galvanized iron sheets	Tan Tonne	175,928	202,278	10,307	11,148	12,940	17,541	19,868
Tin timah dan semua tin lain Tin cans and all other tins	Bilangan ('000) Number ('000)	2,815,239	2,550,785	235,256	255,272	224,148	224,951	182,697
Dram besi dan keluli Iron and steel drums	Bilangan ('000) Number ('000)	3,139	3,474	211	230	219	209	294
Dawai besi dan keluli bersadur Galvanised iron and steel wire	Tan Tonne	151,610	165,843	11,770	15,512	14,010	13,046	12,395
Dawai mata punai dan jaring Wire mesh and netting	M. Persegi ('000) Sq. metres ('000)	18,630	15,079	1,212	1,270	1,099	1,294	1,307
Transformer elektrik Electrical transformers	Bilangan ('000) Number ('000)	290,765	252,794	25,826	28,438	27,362	19,620	19,078
Dawai dan kabel yang tertebat Insulated wires and cables	Tan Tonne	154,579	143,781	11,524	13,660	15,687	15,909	7,981
Separa konduktor Semi-conductors	Bil. (Juta) Num. (Million)	32,644	35,227	3,043	3,270	3,392	2,625	2,590
Transistor elektronik Electronic transistors	Bil. (Juta) Num. (Million)	55,538	46,515	4,657	4,663	4,686	4,092	4,287
Litar bersepadu Integrated circuits	Bil. (Juta) Num. (Million)	55,168	51,838	3,885	3,919	4,311	4,881	5,465
Televisyen Television	Bilangan Number	15,977,868	13,583,353	807,858	811,933	997,866	1,031,793	1,482,331
Radio Radios	Bilangan ('000) Number ('000)	10,190	8,255	709	737	638	637	593
Penyaman udara Air-conditioners	Bilangan Number	3,162,946	3,342,121	251,254	292,175	328,527	304,699	307,501
Kereta penumpang Passenger cars	Bilangan Number	650,217	724,891	54,663	59,843	71,731	38,575	60,391
Kenderaan perdagangan Commercial vehicles	Bilangan Number	117,019	134,721	9,283	10,387	9,461	9,393	15,306
Wayar abah-abah, kenderaan bermotor Wire harness, motor vehicle	Bilangan ('000) Number ('000)	9,764	10,181	809	844	865	730	817
Motosikal dan skuter Motor cycles and scooters	Bilangan Number	175,222	355,243	15,992	18,563	21,731	28,591	37,701

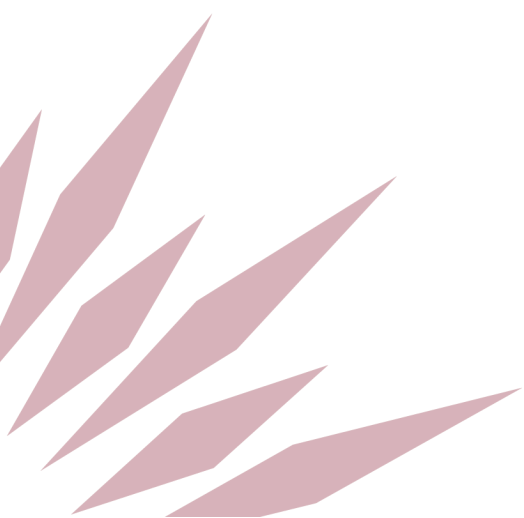
2024													
Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
1,698	1,521	1,516	1,444	1,617	2,442	2,501	2,461	2,592	2,873	2,044	2,018	1,898	1,880
3,243	3,154	3,463	3,607	3,774	2,958	3,655	3,826	3,269	3,576	3,007	2,973	3,316	3,602
3,262	4,481	3,570	3,443	4,431	2,759	3,548	4,870	1,965	2,241	3,017	3,689	3,568	4,617
88,870	89,150	96,209	115,877	121,091	121,773	110,788	118,429	118,521	99,513	106,085	115,120	96,306	90,639
16,980	12,561	12,492	12,607	14,566	18,669	14,324	10,811	16,977	12,523	9,194	15,195	10,038	11,985
88,757	87,806	92,261	91,832	91,026	97,099	87,546	95,113	99,878	88,426	83,536	90,110	93,135	90,110
87,536	86,547	114,618	96,620	87,911	93,258	120,547	112,228	117,663	99,267	101,810	98,486	100,017	101,974
15,473	15,976	22,825	24,544	26,937	13,392	11,327	10,953	11,315	10,570	18,687	19,291	16,433	15,204
185,229	184,494	205,491	208,553	213,528	209,323	221,843	231,574	233,684	219,582	224,930	181,767	155,717	163,170
428	382	323	290	317	297	275	274	278	282	273	381	501	458
13,967	15,559	14,304	14,052	13,018	14,030	14,180	12,232	16,162	13,915	12,800	12,250	14,340	14,950
1,270	1,308	1,305	1,310	1,220	1,372	1,113	1,305	1,444	1,199	1,431	1,515	1,393	1,474
18,084	19,801	17,262	16,671	20,654	20,303	19,694	27,216	27,607	27,270	22,197	22,840	19,556	22,231
9,988	12,037	12,940	14,398	10,019	10,721	8,916	9,254	10,778	11,357	13,595	9,969	7,661	9,100
3,071	3,111	3,290	3,302	2,572	2,451	2,511	3,050	3,390	3,289	2,496	2,761	3,309	3,415
4,043	3,546	3,553	3,523	3,133	3,035	3,296	3,794	3,950	3,837	3,239	4,307	4,091	3,743
5,299	4,475	4,474	4,946	3,930	3,109	3,144	3,031	3,145	3,272	3,506	4,872	3,133	3,281
1,490,573	1,186,325	1,294,262	1,186,284	1,186,284	1,111,538	996,306	1,000,226	901,036	1,005,501	1,013,545	1,519,004	1,271,186	1,151,505
584	671	781	643	722	751	788	806	817	699	708	704	677	786
275,213	279,002	261,798	238,352	248,815	274,825	279,960	276,871	299,728	321,088	311,847	333,088	248,657	306,764
54,643	62,558	63,242	65,022	69,475	62,931	61,817	71,666	61,935	63,778	53,857	70,132	46,811	66,010
12,168	12,266	12,932	11,208	11,620	11,443	9,254	9,098	8,831	6,239	10,303	11,347	7,918	8,757
991	1,001	860	785	851	834	793	848	847	745	714	794	834	893
33,931	36,810	36,900	34,494	33,039	27,455	30,036	33,309	30,392	29,122	30,919	42,033	35,122	37,465

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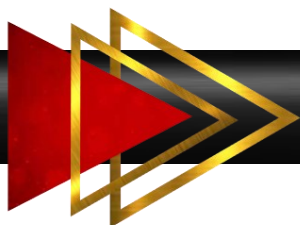


NOTA TEKNIKAL

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1. OBJEKTIF

Objektif utama penerbitan ini ialah untuk menyediakan statistik aliran terkini bagi indikator utama di sektor Pembuatan, iaitu statistik **nilai jualan, bilangan pekerja bergaji, gaji & upah** serta **pengeluaran produk utama** yang dipungut melalui Survei Pembuatan Bulanan. Statistik ini membantu pengguna dalam merangka dasar serta membuat keputusan.

2. PENANDA ARASAN

Selepas melaksanakan Banci Ekonomi 2016 (tahun rujukan 2015), Jabatan Perangkaan Malaysia (DOSM) telah mengkaji dan melaksanakan proses penanda aras terhadap statistik pembuatan yang dipungut melalui Survei Pembuatan Bulanan. Proses penanda aras ini membolehkan siri nilai anggaran tahunan yang dijana menerusi statistik jangka pendek konsisten dengan nilai tahunan daripada banci/survei tahunan sebagai tahun penanda aras. Penanda aras yang dibuat berpanduan *Quarterly National Accounts Manual 2017 edition, International Monetary Fund* bagi mencapai objektif seperti berikut:

- Menganggarkan data bulanan supaya konsisten dengan data tahunan iaitu, untuk memastikan jumlah data bulanan adalah sama dengan penanda aras tahunan;
- Memelihara sebanyak mungkin pertumbuhan indikator bulanan semasa proses penanda aras tahunan dibuat; dan
- Memastikan data siri ke hadapan, jumlah data bulanan bagi tahun semasa sedekat mungkin dengan data tahunan yang diperoleh semasa banci atau survei tahunan yang dijalankan.

Statistik penanda aras disusun bagi nilai jualan, bilangan pekerja bergaji dan gaji & upah sektor Pembuatan dan diterbitkan mulai Januari 2020. Tahun asas (penanda aras) adalah menggunakan Banci Ekonomi 2016 (tahun rujukan 2015) sebagai tahun penanda aras dan kaedah *pro rata* (1) dan *extrapolation* (2) digunakan dalam pemprosesan penanda aras ini.

Kaedah *pro rata*:

$$M^i V = \frac{M^i I}{\sum_{i=1}^{12} M^i V} \times ADT \quad (1)$$

di mana;

$M^i V$ = pemboleh ubah anggaran bulanan yang dinaik aras

$M^i I$ = siri indikator bulanan

ADT = data tahunan tahun asas (penanda aras)

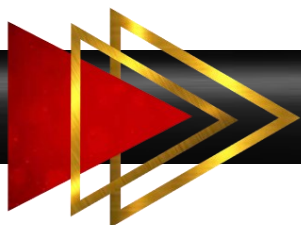
Kaedah *extrapolation*:

$$V_t = V_{t-1} * G_{t-1,t} \quad (2)$$

di mana;

V_t = nilai pemboleh ubah

$G_{t-1,t}$ = pertumbuhan daripada t-1 kepada t



3. SKOP DAN LIPUTAN

Data yang dipungut dalam Survei Pembuatan Bulanan meliputi seluruh Malaysia. Mulai Januari 2020, penerbitan ini memaparkan statistik berwajaran yang menggambarkan populasi sampel bagi 251 industri dalam sektor Pembuatan.

Data bagi industri yang mempunyai perwakilan kurang daripada tiga pertubuhan telah digabungkan kepada industri terhampir bagi memelihara kerahsiaan responden seperti mana yang termaktub dalam Akta Perangkaan 1965 (Disemak - 1989).

4. SUMBER RANGKA

Sumber rangka ialah daripada *Malaysia Statistical Business Register (MSBR)* di mana maklumat utama diperoleh daripada banci dan survei yang dilaksanakan oleh Jabatan Perangkaan Malaysia (DOSM) serta data pentadbiran. Sumber utama data pentadbiran tersebut adalah daripada Suruhanjaya Syarikat Malaysia (SSM). Selain itu, DOSM juga turut bekerjasama mendapatkan maklumat daripada lebih 50 agensi lain seperti Kumpulan Wang Simpanan Pekerja (KWSP), Jabatan Kastam Diraja Malaysia (JKDM), Lembaga Hasil Dalam Negeri (LHDN), Pihak Berkuasa Tempatan (PBT) serta Badan-badan Profesional. Rangka dikemaskini secara berterusan dengan mengambil kira pertubuhan baru dan merekod sebarang perubahan dalam status pertubuhan seperti tutup, tidak beroperasi, perubahan jenis aktiviti dan lokasi atau alamat pos untuk memastikan maklumat yang terdapat dalam rangka adalah yang paling terkini.

5. JENIS AKTIVITI PERNIAGAAN

Jenis aktiviti perniagaan merujuk kepada aktiviti utama dan sekunder. Aktiviti utama merujuk kepada aktiviti yang mana pertubuhan menumpukan sebahagian besar sumbernya atau memberi sumbangan besar dari segi pendapatan. Aktiviti sekunder didefinisikan sebagai aktiviti sampingan kepada aktiviti utama. Klasifikasi bagi pertubuhan adalah berasaskan kepada aktiviti utama dan Piawaian Klasifikasi Industri Malaysia (MSIC 2008) Versi 1.0. yang diselaraskan dengan *International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4, United Nations* dengan pengubahsuaian mengikut keperluan tempatan.

6. KONSEP DAN DEFINISI

Konsep dan definisi yang digunakan selari dengan manual *International Recommendations for Industrial Statistics 2008, United Nations Statistics Division*. Takrif pembuatan yang digunakan dalam survei ini adalah selaras dengan Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Versi 1.0.

Pembuatan ditakrifkan sebagai perubahan fizikal atau kimia ke atas bahan atau komponen menjadi produk baru sama ada kerja itu dilakukan oleh jentera yang dijalankan oleh kuasa atau yang dijalankan dengan tangan, sama ada dijalankan dalam kilang atau di rumah pekerja, dan sama ada barang keluaran dijual secara borong atau runcit.

7. REKA BENTUK PENSAMPELAN

Reka bentuk pensampelan bagi survei ini adalah pensampelan rawak strata satu peringkat. Pertubuhan dikelaskan sebagai unit pensampelan manakala beberapa kategori strata telah dikenalpasti.

Setiap strata telah dibentuk kepada tiga substrata untuk memastikan sampel yang diagihkan mengambil kira ciri-ciri ekonomi strata tersebut. Substrata utama bersifat heterogen dan diliputi secara penuh. Manakala, substrata selainnya yang bersifat homogen disampelkan.

Substrata utama meliputi pertubuhan kategori besar dan yang mempunyai jumlah hasil yang signifikan dalam industri berkaitan manakala bagi substrata kedua dan ketiga berdasarkan kategori perusahaan kecil dan sederhana (PKS).

8. SAIZ SAMPEL

Statistik utama yang digunakan untuk penganggaran saiz sampel adalah nilai jualan. Formula yang digunakan dalam penganggaran saiz sampel bagi strata adalah seperti berikut:

$$n = \frac{(\sum N_i S_i)^2}{V + \sum N_i S_i^2} \quad (3)$$

di mana;

n = Saiz sampel

N_i = Saiz populasi bagi strata i

S_i^2 = Varian bagi strata i

V = Varian sasaran

$$V = RSE^2 \cdot \left(\frac{\hat{Y}_i}{Z} \right)^2 \quad (4)$$

di mana;

$\hat{Y}_i$ = Jumlah nilai jualan bagi strata

RSE = Ralat piawai relatif

Z = Nilai aras keyakinan

Sampel akan diagihkan kepada substrata dalam industri liputan dengan menggunakan kaedah *Neyman Allocation* seperti berikut:

$$n_{hi} = \left(\frac{N_h S_h}{\sum N_h S_h} \right) n_i \quad (5)$$

$h = 2, 3 \text{ dan } 4$

$i = 1, 2, \dots k$

di mana;

n_{hi} = Saiz sampel bagi substrata h dalam strata i

N_h = Saiz populasi bagi substrata h

S_h = Sisihan piawai bagi substrata h

n_i = Saiz sampel bagi strata i

h = Substrata

i = Strata

Pertubuhan kategori substrata utama diliputi sepenuhnya, manakala pertubuhan bagi substrata kedua dan ketiga dipilih secara rawak mengikut kaedah pensampelan bersistematik.

9. WAJARAN

Analisis berwajaran disediakan menggunakan wajaran sampel bagi memastikan sampel yang dipilih dapat menggambarkan populasi survei. Wajaran yang diperlukan adalah wajaran di peringkat reka bentuk pensampelan dan tiada respons.

Wajaran reka bentuk pensampelan pada substrata h adalah seperti berikut :

$$W_h = \frac{N_h}{n_h}, \quad h = 1, \dots, 4 \quad (6)$$

di mana;

N_h = Bilangan populasi bagi substrata h ; dan

n_h = Bilangan sampel bagi substrata h

Wajaran tiada respons pada substrata h adalah seperti berikut :

$$NRW_h = \frac{1}{\frac{n'_h}{n_h}}, \quad h = 1, \dots, 4 \quad (7)$$

di mana;

$$n'_h = \text{Bilangan sampel respons bagi substrata } h$$

$$n_h = \text{Bilangan sampel bagi substrata } h$$

Kaedah pengiraan wajaran reka bentuk pensampelan selepas survei (*adjusted weight*) pada substrata h seperti berikut:

$$W'_h = W_h \times NRW_h, \quad h = 1, \dots, 4 \quad (8)$$

di mana;

$$W_h = \text{Wajaran reka bentuk pensampelan pada substrata } h$$

$$NRW_h = \text{Wajaran tiada respons pada substrata } h$$

10. UNIT MELAPOR

Unit melapor bagi survei ini ialah **pertubuhan**. Sesebuah pertubuhan ditakrifkan sebagai "satu unit ekonomi yang bergiat di bawah satu hak milik atau penguasaan tunggal, iaitu di bawah satu entiti yang sah. Ia menjalankan satu jenis aktiviti ekonomi utama di satu tempat / lokasi fizikal". Setiap pertubuhan diberikan klasifikasi industri berdasarkan aktiviti utamanya. Bagi pertubuhan yang menjalankan pelbagai aktiviti, unit yang bergiat dalam aktiviti yang berasingan dalam satu lokasi yang sama adalah terdiri daripada entiti pertubuhan yang berbeza. Oleh itu, setiap cawangan daripada organisasi yang mempunyai pelbagai cawangan di lokasi yang berbeza dari segi konsep dianggap sebagai pertubuhan yang berlainan. Pertubuhan berkenaan diminta memberikan penyata yang berasingan bagi setiap kegiatannya dari segi nilai. Walau bagaimanapun, dari segi praktisnya akaun biasanya disediakan secara berpusat kerana kesukaran untuk memperoleh data yang berasingan bagi setiap unit atau cawangan. Entiti atau enterpris ini akan dianggap sebagai satu unit pelapor dan dibenarkan mengemukakan soal selidik yang menggabungkan semua unit atau cawangannya.

11. NILAI JUALAN

Nilai jualan yang dilaporkan merujuk kepada nilai jualan produk sendiri sahaja. Ini bermaksud jualan produk yang berlaku dalam bulan laporan, sama ada produk tersebut telah dibuat/dihasilkan oleh pertubuhan pada bulan tersebut atau bulan-bulan sebelumnya. Nilai jualan adalah berdasarkan kepada nilai bersih di kilang dan berkaitan dengan kuantiti yang dijual. Penilaian harga yang dikenakan kepada pelanggan adalah tidak termasuk:

- a. diskaun atau rebat;
- b. bayaran untuk pengangkutan keluar;
- c. komisen kepada wakil-wakil penjual;
- d. bayaran lain seperti cukai eksais yang dibayar atau cukai jualan yang dipungut oleh kilang bagi pihak kerajaan; dan
- e. bayaran pemasangan, pembaikan dan pembinaan

12. BILANGAN PEKERJA BERGAJI

Bilangan pekerja bergaji meliputi seperti berikut:

- a. Pekerja bergaji (sepenuh masa) - Merujuk kepada semua pekerja bergaji yang bekerja sekurang-kurangnya 6 jam sehari dan sekurang-kurangnya 20 hari sebulan; dan
- b. Pekerja bergaji (sambilan) - Merujuk kepada semua pekerja bergaji yang bekerja kurang daripada 6 jam sehari dan/atau kurang daripada 20 hari sebulan.

13. GAJI & UPAH DIBAYAR

Gaji & upah yang dibayar merujuk kepada semua bayaran tunai, termasuk bonus, komisen, bayaran lebih masa, elaun kos sara hidup dan elaun lain yang dibayar kepada semua pekerja bergaji dalam bulan rujukan. Caruman Kumpulan Wang Simpanan Pekerja (KWSP) serta Pertubuhan Keselamatan Sosial (PERKESO) turut dimasukkan tetapi caruman oleh majikan dikecualikan. Elaun kepada pemilik yang bekerja, rakan niaga yang bekerja dan pekerja keluarga tidak bergaji, bayaran pampasan dan saguhati kerana pemberhentian adalah juga dikecualikan.

14. KEPERLUAN KERAHSIAAN

Survei ini dijalankan di bawah peruntukan Akta Perangkaan 1965 (Disemak 1989). Akta ini mensyaratkan bahawa kandungan penyata individu adalah SULIT. Selaras dengan peruntukan dalam Akta tersebut, hanya angka agregat akan diterbitkan.

15. PINDAAN

Pindaan akan dibuat ke atas statistik yang telah diterbitkan berdasarkan data terkini yang diperoleh.

16. PEMBUNDARAN

Perjumlahan komponen mungkin berbeza dengan angka jumlah besar disebabkan pembundaran.

17. SIMBOL DAN SINGKATAN

Simbol-simbol berikut telah digunakan dalam keseluruhan penerbitan:-

t.t.t.l. : tidak terkelas di tempat lain

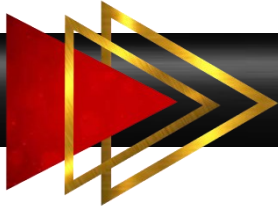
RM : Ringgit Malaysia

18. PELARASAN MUSIM

Data siri masa adalah amat berguna untuk ahli ekonomi, pembuat dasar & keputusan serta penganalisis siri masa untuk mengenal pasti ciri-ciri penting siri ekonomi seperti arah aliran, *turning point* dan konsistensi antara penunjuk ekonomi yang lain. Kadangkala ciri ini sukar untuk diperhatikan kerana pergerakan bermusim. Oleh itu, sekiranya kesan bermusim boleh disingkirkan, arah aliran data siri ini dapat dilihat dengan lebih baik. Anggaran dan penyingkiran kesan bermusim dipanggil pelarasan bermusim.

Pelarasan bermusim adalah satu proses untuk mengenal pasti dan menyingkirkan bentuk pola bermusim yang biasa berlaku dalam tempoh satu tahun, yang mungkin juga merangkumi pengaruh dari kesan cuti yang bergerak dan hari bekerja/berdagang bagi suatu tempoh. Objektif utama proses ini adalah untuk menyerlahkan arah aliran dan pergerakan-pergerakan jangka pendek dalam siri ini.

Di Malaysia, kebanyakan data siri masa dipengaruhi oleh kesan bermusim. Oleh itu, untuk menghapus dan melaras kesan bermusim data siri masa ekonomi Malaysia, pakej standard pelarasan bermusim, X-12 ARIMA telah digunakan oleh Jabatan Perangkaan, Malaysia. Data siri masa ekonomi Malaysia juga kerap dipengaruhi oleh perayaan agama utama seperti Aidil Fitri bagi umat Islam, Tahun Baru Cina untuk kaum Cina dan Deepavali untuk kaum India. Tarikh perayaan-perayaan ini tetap mengikut tahun lunar tetapi berbeza-beza mengikut kalendar Gregorian. Oleh itu, untuk menganggar dan menyingkirkan kesan cuti yang bergerak dari data siri masa, satu prosedur telah dibangunkan iaitu *Seasonal Adjustment For Malaysia (SEAM)*.



1. OBJECTIVE

The main objective of this publication is to provide statistics on the latest trend of main indicators in the Manufacturing sector, ie. **sales value, number of employees, salaries & wages and the production of main products manufactured** which is collected through Monthly Manufacturing Survey. This statistics assists users in policy formulation and decision making.

2. BENCHMARKING

After conducting the Economic Census 2016 (reference year 2015), Department of Statistics Malaysia (DOSM) has reviewed and carried out the benchmarking process towards the manufacturing statistics collected from the Monthly Manufacturing Survey. The benchmarking process is done to enable the series of values of annual estimates derived from short term survey consistent and match with the annual value from census/annual survey of the benchmark year. The benchmark process adapted the guideline of the Quarterly National Accounts Manual 2017 edition, International Monetary Fund to meet the objectives as follows:

- to estimate monthly data that are temporally consistent with the annual data: that is, to ensure that the sum of the monthly data is equal to the annual benchmark;
- to preserve as much as possible the monthly movements in the indicator under the restrictions provided by the annual data; and
- to ensure, for forward series, that the sum of the monthly of the current year is as close as possible to the unknown future annual data.

The benchmarking statistics is compiled on sales value, number of employees and salaries & wages and being published starting from January 2020. The base (benchmark) year using the Economic Census 2016 (reference year 2015) and pro rata (1) and extrapolation method (2) is used in the benchmarking process.

Pro rata Method:

$$M^i V = \frac{M^i I}{\sum_{i=1}^{12} M^i V} \times ADT \quad (1)$$

where;

$M^i V$ = new derived monthly variables estimates

$M^i I$ = monthly indicator series

ADT = annual benchmark data

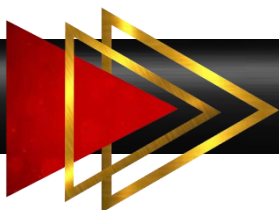
Extrapolation Method:

$$V_t = V_{t-1} * G_{t-1,t} \quad (2)$$

Where;

V_t = value of variable

$G_{t-1,t}$ = growth from t-1 to t



3. SCOPE AND COVERAGE

Data collected in the Monthly Manufacturing Survey covered the whole of Malaysia. Since January 2020, this publication presents weighted statistics which represent the population sample of 251 industries in Manufacturing sector. Data for industries with less than three establishments was combined to the closest industry to ensure the confidentiality of the respondents as stipulated under the Statistics Act 1965 (Revised-1989).

4. SOURCE OF FRAME

The source of frame is from Malaysia Statistical Business Register (MSBR) where the main information is from census and survey conducted by the Department of Statistics Malaysia (DOSM) and administrative data. The main source of the administrative data is from the Companies Commission of Malaysia (CCM). In addition, DOSM also collaborates and yield information from over 50 other agencies such as the Employees Provident Fund (EPF), Royal Malaysian Customs Department (RMCD), Inland Revenue Board (IRB), Local Authorities and other Professional Bodies. The frame is updated continuously by taking into account of new establishments and to record any changes in the establishment status such as closed down, not in operation, change in types of activity and location or postal addresses to ensure that the information in the frame is at the most current status.

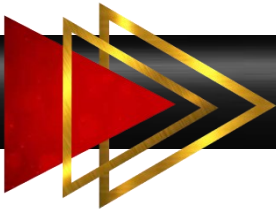
5. TYPE OF BUSINESS ACTIVITY

Type of business activity is divided into primary and secondary. The primary activity refers to the activities which focus on its main resources and income. Secondary activities are defined as those incidental or ancillary to the primary activity. The classification of the establishment's industry is based on the primary activity and the Malaysia Standard Industrial Classification (MSIC 2008) Version 1.0 according to the International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4, United Nations, with modifications to suit local conditions.

6. CONCEPT AND DEFINITION

Concepts and definitions used are in line with the manual of Recommendations for Industrial Statistics 2008, United Nations Statistics Division. The definition of manufacturing used in this survey is consistent with Malaysia Standard Industrial Classification (MSIC) 2008 Ver. 1.0.

Manufacturing is defined as the physical or chemical transformation of materials or components into new products, whether the work is performed by power-driven machines or by hand, whether it is done in a factory or in the worker's home, and whether the products are sold at wholesale or retail.



7. SAMPLING DESIGN

Sampling design of the survey is a one-stage stratified random sampling. The establishment is classified as sampling unit while a few categories of stratum was identified.

Each stratum has been set up to three substrata to ensure the distributed sample takes into account the economic characteristics of the stratum. The main substratum is heterogeneous and was fully covered. Whereas, other substratum that are homogeneous were sampled.

Main substratum include large establishments which have a significant total revenue in the respective industry while for the second and third substratum are based on small and medium enterprise (SME) categories.

8. SAMPLE SIZE

The main statistics used to estimate the sample size is the sales value. The formula used in the estimation of the sample size for a stratum is as follows:

$$n = \frac{(\sum N_i S_i)^2}{V + \sum N_i S_i^2} \quad (3)$$

where;

n = Sample size

N_i = Population size for stratum i

S_i^2 = Variance for stratum i

V = Desired variance

$$V = RSE^2 \cdot \left(\frac{\hat{Y}_i}{Z} \right)^2 \quad (4)$$

where;

$\hat{Y}_i$ = Estimated sales value for stratum

RSE = Relative standard error

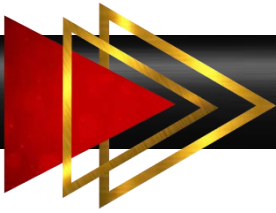
Z = Value of confidence level

Sample is distributed to substratum of the industry using Neyman Allocation method as follows:

$$n_{hi} = \left(\frac{N_h S_h}{\sum N_h S_h} \right) n_i' \quad (5)$$

$h = 2, 3 \text{ and } 4$

$i = 1, 2, \dots k$



where;

n_{hi} = Sample size for substratum h of stratum i

N_h = Population size for substratum h

S_h = Standard deviation for substratum h

n_i = Sample size for stratum i

h = Substratum

i = Stratum

Establishments of the main substratum were fully covered while establishments of the second and third substratum were randomly selected using systematic random sampling.

9. WEIGHTED

Weighted analysis is done using sampling weight to ensure that the selected sample can reflect population survey. The weights required are the sampling design and non response weights.

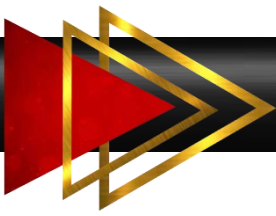
The sampling design weight for the establishment at substratum h is as follows:

$$W_h = \frac{N_h}{n_h}, \quad h = 1, \dots, 4 \quad (6)$$

where,

N_h = Total population of substratum h ; and

n_h = Total sample of substratum h



Non response weight at substratum h as below:

$$NRW_h = \frac{1}{\frac{n'_h}{n_h}}, \quad h = 1, \dots, 4 \quad (7)$$

where,

n'_h = Number of response in sample size for substratum h

n_h = Number of sample size for substratum h

The method of calculating the sampling design weight after the survey (adjusted weight) on substratum h as below:

$$W'_h = W_h \times NRW_h, \quad h = 1, \dots, 4 \quad (8)$$

where,

W_h = Sampling design weight at substratum h

NRW_h = Non response weight at substratum h

10. REPORTING UNIT

The reporting unit used in the survey was the **establishment**. An establishment is defined as “an economic unit engaged in one activity, under a single legal entity and operating in a single physical location”. Each establishment was assigned an industry classification based on its principal activity. In the case of a multi-activity entity, units engaged in separate activities in the same location constituted distinct establishments. Thus, each branch of a multi-branch organisation at a different location was conceptually treated as a different establishment. The establishment was requested to give separate returns for each activity in terms of value. However, if in practice, the accounts were centrally kept such that it was not possible to obtain separate data for each individual unit or branch. The entity or enterprise was treated as a single reporting unit and allowed to submit a consolidated questionnaire covering all the units or branches.



11. VALUE OF SALES

The reported sales value refers to the sales value of their own products. This relates to sales of goods made on the reporting month, whether the products were produced/ manufactured by the establishment during the month or in the other months previously. The sales value was net selling price (ex-factory) value relating to the quantity sold. The valuation price charged to customers were excluding:

- a. discounts or rebates;*
- b. Charges for carriage outwards;*
- c. commissions to selling agents;*
- d. all other charges such as excise duties paid, sales tax collected by the factory on behalf of the government; and*
- e. Installation, repairs and construction charges.*

12. NUMBER OF PAID EMPLOYEES

Number of paid employees cover as follows:

- a. Paid employees (full-time) - Refers to those who work for at least 6 hours a day and 20 days a month; and*
- b. Paid employees (part-time) - Refers to all paid workers who work for less than 6 hours a day and/or less than 20 days a month.*

13. SALARIES & WAGES PAID

Salaries & wages paid refers to all cash payments, including bonuses, commissions, overtime wages, cost of living allowances and other allowances made to all employees during the reference month. The employees' contribution to Employees' Provident Fund (EPF) and Social Security Organisation (SOCSO) is included but the employer's contribution is excluded. Allowances to working proprietors, working partners and unpaid family workers and severance and termination pay are not included.

14. CONFIDENTIALITY REQUIRED

The survey is conducted under the provisions of the Statistics Act 1965 (Revised-1989). The Act stipulates that the contents of individual returns are CONFIDENTIAL. In conformity with the stipulations of this Act, only aggregated figures are published.



15. REVISIONS

Revisions will be made to the published figures based on the latest data available.

16. ROUNDING

The sum of the component figures may not tally with the sub-total or total figures due to rounding.

17. SYMBOLS AND ABBREVIATIONS

The following symbols have been used throughout the publication:-

n.e.c. : not elsewhere classified

RM : Malaysian Ringgit

18. SEASONAL ADJUSTMENT

Time-series data are very useful for economists, policy & decision makers and time-series analysts to identify the important features of economic series such as direction, turning point and consistency between other economic indicators. Sometimes this feature is difficult to observe because of seasonal movements. Thus, if the seasonal effect can be removed, the behaviour of the series would be better viewed. The estimation and removal of the seasonal effects is called seasonal adjustment.

Seasonal adjustment is a process to identify and to remove the regular within-a-year seasonal pattern, which may also include the influences of moving holidays and working/trading days effect in each period. The ultimate objective of the process is to highlight the underlying trends and short-term movements in the series.

In Malaysia, most of the time series data are affected by seasonal effects. Hence, to eliminate the seasonal effect as well as to seasonally adjust the Malaysian economic time series data, a standard seasonal adjustment package, X-12 ARIMA was used by Department of Statistics, Malaysia. Malaysian economic time series data also often affected by major religious festivals such as Eid-ul Fitr for Muslims, Chinese New Year to the Chinese and the Indian Deepavali. These festivals' dates are fixed according to the lunar year but vary according to the Gregorian calendar. Therefore, to estimate and remove moving holiday effect from time-series data, a procedure was developed, namely Seasonal Adjustment for Malaysia (SEAM).