



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

2024
SUKU KETIGA
THIRD QUARTER

STATISTIK
KAPASITI PENGGUNAAN
INDUSTRI PEMBUATAN
MANUFACTURING INDUSTRY
CAPACITY UTILISATION STATISTICS

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA



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JABATAN PERANGKAAAN MALAYSIA

STATISTIK KAPASITI PENGGUNAAN

INDUSTRI PEMBUATAN

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CAPACITY UTILISATION STATISTICS

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Dikeluarkan pada: **20 November 2024**
Released on *November*

Pemakluman

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>.

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

Announcement

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

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

Diterbitkan dan dicetak oleh / Published and printed by:

Jabatan Perangkaan Malaysia

Department of Statistics Malaysia

Blok C6 & C7, Kompleks C,

Pusat Pentadbiran Kerajaan Persekutuan

62514 Putrajaya,

MALAYSIA

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Harga/ Price : RM20.00

Diterbitkan pada November 2024 / *Published in November 2024*

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ISSN 2990 - 9651

KATA PENGANTAR

Penerbitan Statistik Kapasiti Penggunaan Industri Pembuatan diterbitkan oleh Jabatan Perangkaan Malaysia (DOSM). Penerbitan ini memaparkan statistik kapasiti penggunaan bagi sektor Pembuatan di Malaysia yang diterbitkan secara suku tahunan mulai Suku Pertama 2023. Statistik ini disusun mulai Januari 2017 sehingga September 2024 yang memberikan indikator tambahan kepada pengguna dalam menilai prestasi sektor Pembuatan di Malaysia.

Konsep yang digunakan dalam penerbitan ini adalah berpandukan kepada *International Recommendations for Industrial Statistics 2008, United Nations Statistics Division* manakala definisi Pembuatan adalah konsisten dengan Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Ver. 1.0. Statistik ini juga boleh digunakan sebagai sumber rujukan oleh kerajaan, ahli ekonomi, ahli akademik, pihak swasta serta individu bagi tujuan perancangan dan penggubalan dasar, analisis ekonomi, unjuran dan membantu dalam perancangan pembangunan perniagaan.

Penerbitan ini mengandungi tiga bahagian. Bahagian pertama memaparkan infografik dan ringkasan penemuan. Bahagian kedua memuatkan jadual terperinci manakala bahagian ketiga menerangkan aspek teknikal seperti skop & liputan dan konsep & definisi yang digunakan bagi memudahkan pengguna memahami statistik yang diterbitkan.

Jabatan Perangkaan Malaysia merakamkan setinggi-tinggi penghargaan atas kerjasama dan sumbangan yang diberikan oleh semua pihak dalam membekalkan data yang diperlukan dan menyumbang kepada kejayaan penerbitan ini. Setiap maklum balas dan cadangan untuk penambahbaikan penerbitan ini pada masa akan datang amatlah dihargai.

DATO' SRI DR. MOHD UZIR MAHIDIN

Ketua Perangkawan Malaysia

November 2024

PREFACE

The Manufacturing Industry Capacity Utilisation Statistics is a publication published by the Department of Statistics Malaysia (DOSM). The publication presents capacity utilisation statistics for the Manufacturing sector in Malaysia which published on quarterly basis since First Quarter 2023. The statistics was compiled from January 2017 until September 2024 which provide additional indicators for the users in assessing the performance of the Manufacturing sector in Malaysia.

The concept used in this compilation is guided by the International Recommendations for Industrial Statistics 2008, United Nations Statistics Division while the definition of Manufacturing is consistent with Malaysia Standard Industrial Classification (MSIC) 2008 Ver. 1.0. These statistics can be used by government agencies, economists, academicians, private sectors and individuals for planning and formulating policies, economic analysis, projections and assisting in business development planning.

This publication is divided into three main parts. The first part displays the infographic and summary of findings. The second part shows the detailed statistical tables meanwhile the third part explains technical aspects such as scope & coverage and concepts & definitions used to assist users to understand the published statistics.

Department of Statistics Malaysia (DOSM) gratefully acknowledges the co-operation and contribution of all parties who have provided the required data and contributed to the success of this publication. Every feedback and suggestion towards improving future publications is highly appreciated.

DATO' SRI DR. MOHD UZIR MAHIDIN
Chief Statistician Malaysia

November 2024



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Ringkasan Penemuan

Summary of Findings

Infografik *Infographic*

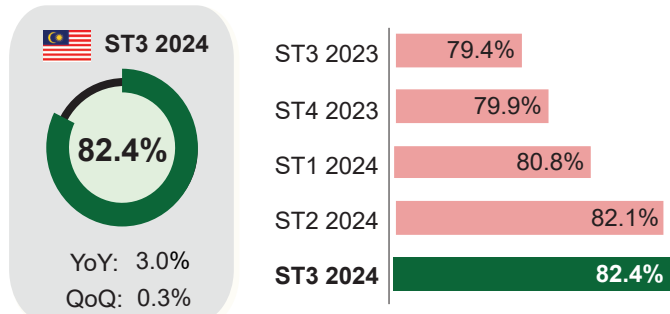
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Performance of Manufacturing Industry Capacity Utilisation in Malaysia, Third Quarter of 2024
- 3.0 **Kapasiti Penggunaan mengikut Subsektor Pembuatan, Suku Ketiga 2024**
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- 6.0 **Prestasi Indeks Pengeluaran Perindustrian (IPP), Suku Ketiga 2024**
Performance of Industrial Production Index (IPI), Third Quarter of 2024

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STATISTIK KAPASITI PENGGUNAAN INDUSTRI PEMBUATAN SUKU KETIGA 2024

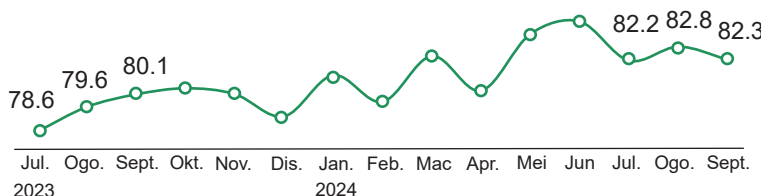
Industri Pembuatan mencapai kadar kapasiti penggunaan 82.4 peratus pada suku ketiga 2024

Suku Ketiga 2024



YoY: Perubahan mata peratus tahun ke tahun
QoQ: Perubahan mata peratus suku tahun ke suku tahun

Kapasiti Penggunaan Industri Pembuatan (%), Jul 2023 - Sept. 2024

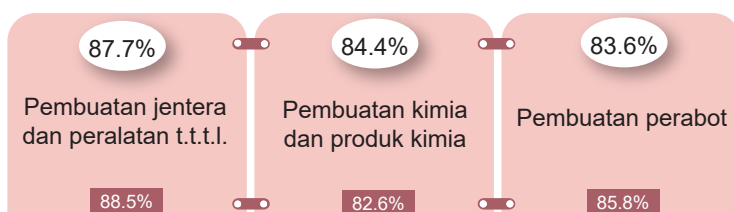


Kapasiti Penggunaan Industri Pembuatan (%)

Tiga industri dengan kapasiti penggunaan tertinggi dalam industri berorientasikan eksport dan domestik, ST3 2024

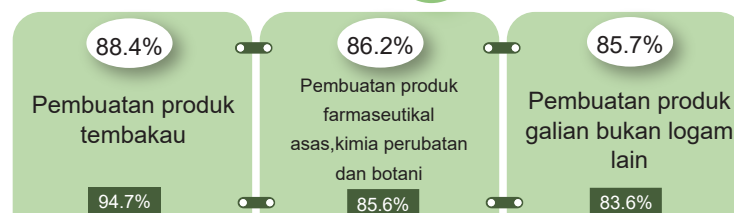
Industri Berorientasikan Eksport

81.8%



Industri Berorientasikan Domestik

83.8%

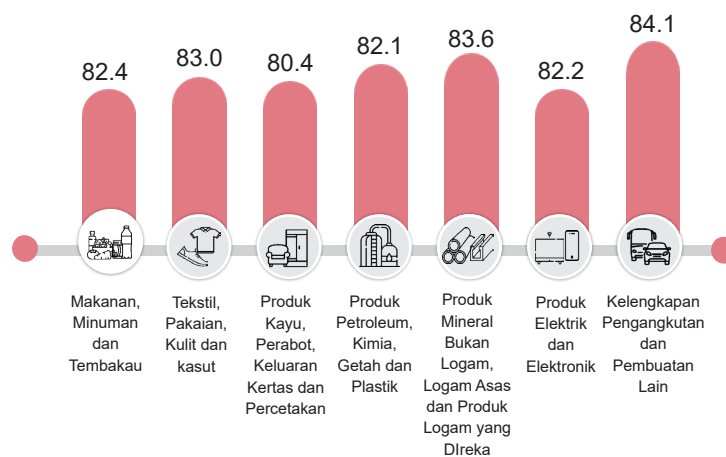


ST3 2024 ST2 2024

Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor

ST3 2024

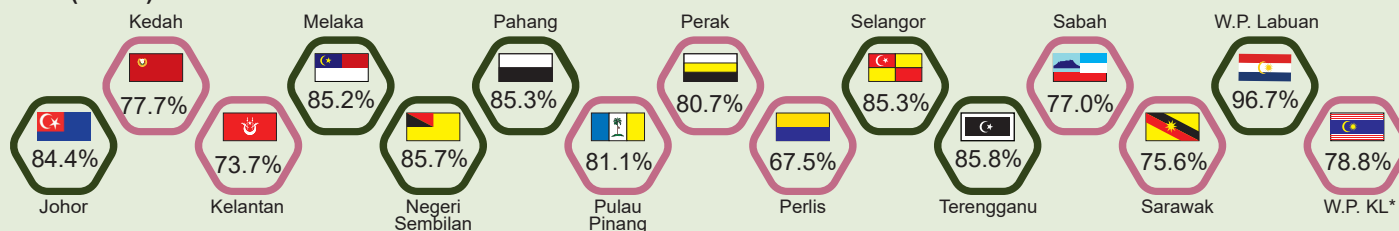
Subsektor **Pembuatan kelengkapan pengangkutan & pembuatan lain** merekodkan kadar kapasiti penggunaan tertinggi pada **84.1 peratus**



Kapasiti Penggunaan Industri Pembuatan (%)

Kapasiti Penggunaan Industri Pembuatan mengikut Negeri

Tujuh negeri mempamerkan kadar kapasiti penggunaan melebihi paras kadar nasional pada suku ketiga 2024, iaitu W.P. Labuan (96.7%), Terengganu (85.8%), Negeri Sembilan (85.7%), Pahang (85.3%), Selangor (85.3%), Melaka (85.2%) dan Johor (84.4%)



Melebihi kadar kapasiti penggunaan nasional pada ST3 2024

Apakah yang dimaksudkan dengan Kapasiti Penggunaan Industri Pembuatan?

Kapasiti penggunaan merujuk kepada nisbah output sebenar yang dihasilkan berbanding pengeluaran output pada kapasiti penuh melalui gabungan optimum mesin, bahan mentah dan buruh

$$\text{Kapasiti Penggunaan} = \frac{\text{Nilai Pengeluaran Sebenar}}{\text{Nilai Pengeluaran Penuh}} \times 100$$

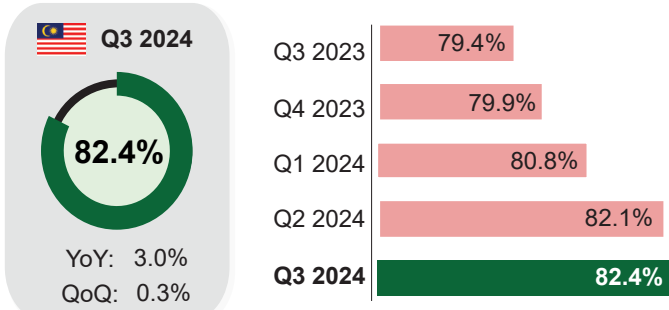
Nota: * termasuk W.P. Putrajaya | W.P. - Wilayah Persekutuan | KL - Kuala Lumpur | ST - Suku Tahun | t.t.t.l - Tidak terkelas di tempat lain

Sumber: Statistik Kapasiti Penggunaan Industri Pembuatan Suku Ketiga 2024, Jabatan Perangkaan Malaysia (DOSM)

MANUFACTURING INDUSTRY CAPACITY UTILISATION STATISTICS THIRD QUARTER 2024

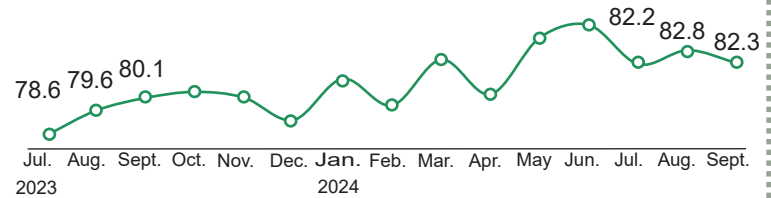
The Manufacturing industry achieved 82.4 per cent capacity utilisation rate in the third quarter of 2024

Third Quarter of 2024



YoY: Year-on-year percentage points change
QoQ: Quarter-on-quarter percentage points change

Manufacturing Industry Capacity Utilisation (%), Jul. 2023 - Sept. 2024

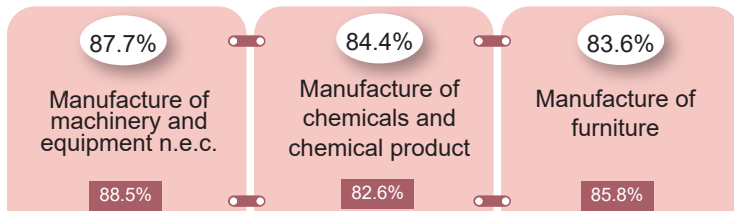


Manufacturing Industry Capacity Utilisation (%)

Three industries with the highest capacity utilisation in **export-oriented** and **domestic-oriented industries**, Q3 2024

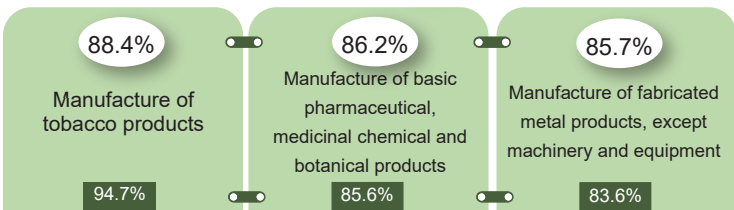
Exports-oriented industries

81.8%



Domestic-oriented industries

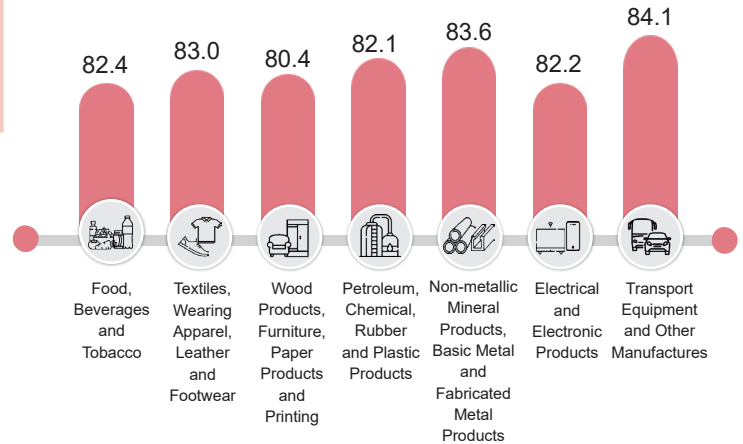
83.8%



Manufacturing Industry Capacity Utilisation by Sub-sector

Q3 2024

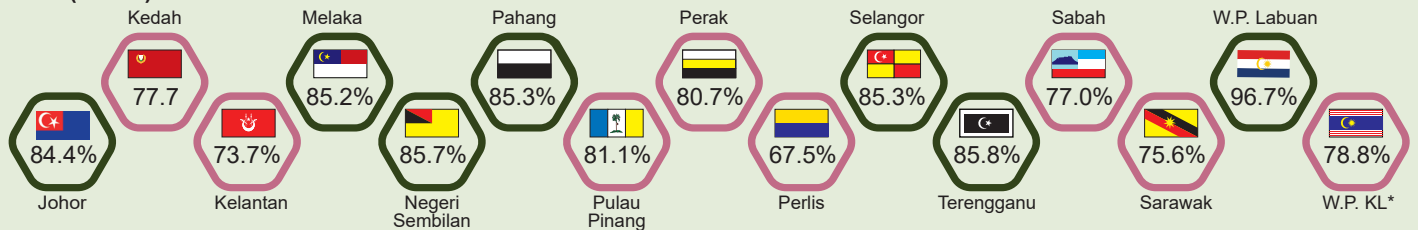
The **Manufacture of transport equipment & other manufactures** sub-sector recorded the highest capacity utilisation rate at **84.1 per cent**



Manufacturing Industry Capacity Utilisation (%)

Manufacturing Industry Capacity Utilisation by State

Seven states demonstrated capacity utilisation rates surpassing the national rate in the third quarter of 2024, namely **W.P. Labuan (96.7%), Terengganu (85.8%), Negeri Sembilan (85.7%), Pahang (85.3%), Selangor (85.3%), Melaka (85.2%) and Johor (84.4%)**



Above national rate of capacity utilisation in Q3 2024

What is meant by Manufacturing Industry Capacity Utilisation?

Capacity utilisation refers to a ratio of actual output produced to the production of output at full capacity through an optimal combination of machinery, raw materials and labour

$$\text{Capacity Utilisation} = \frac{\text{Actual Level of Output}}{\text{Full Level of Output}} \times 100$$

Notes: * includes W.P. Putrajaya | W.P. - Wilayah Persekutuan | KL - Kuala Lumpur | Q - Quarter | n.e.c - Not elsewhere classified

Source: Manufacturing Industry Capacity Utilisation Statistics Third Quarter 2024, Department of Statistics Malaysia (DOSM)

1.0 Pengenalan

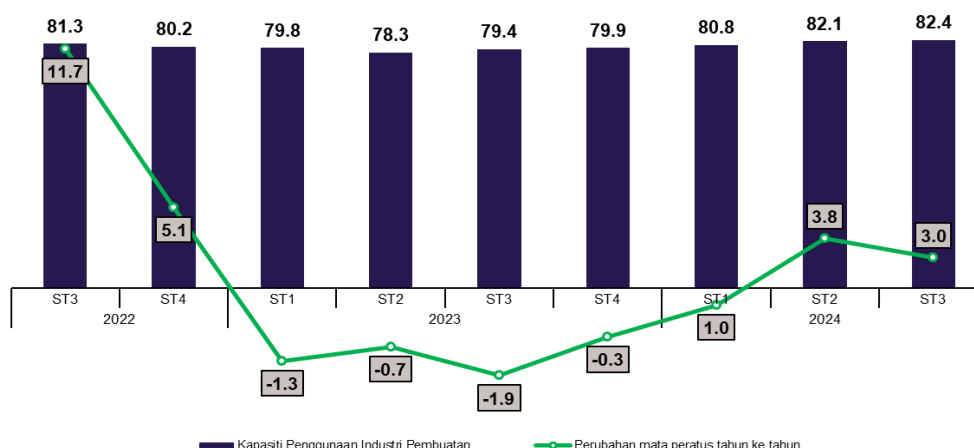
Penerbitan ini memaparkan statistik kapasiti penggunaan bagi industri Pembuatan yang diperoleh daripada Survei Pembuatan Bulanan yang dijalankan oleh Jabatan Perangkaan Malaysia. Statistik yang dilaporkan dalam penerbitan ini adalah dari tempoh suku pertama 2017 hingga suku ketiga 2024 di peringkat nasional dan negeri. Sebagai tambahan, data tahunan dan bulanan juga dilaporkan dalam penerbitan ini.

Kapasiti penggunaan merujuk kepada nisbah output sebenar yang dihasilkan berbanding pengeluaran output pada kapasiti penuh melalui gabungan optimum mesin, bahan mentah dan buruh. Konsep yang digunakan dalam penerbitan ini adalah berpandukan kepada International Recommendations for Industrial Statistics 2008, United Nations Statistics Division manakala definisi Pembuatan adalah konsisten dengan Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Ver. 1.0.

2.0 Prestasi Kapasiti Penggunaan Industri Pembuatan di Malaysia, Suku Ketiga 2024

Kapasiti penggunaan industri Pembuatan adalah 82.4 peratus pada suku ketiga 2024, yang meningkat 3.0 mata peratus berbanding suku yang sama pada tahun sebelumnya (ST3 2023: 79.4%). Berbanding suku tahun sebelumnya, kapasiti penggunaan industri Pembuatan meningkat 0.3 mata peratus (ST2 2024: 82.1%) (**Paparan 1**).

Paparan 1 : Kapasiti Penggunaan Industri Pembuatan, ST3 2022 - ST3 2024



Kadar kapasiti penggunaan melebihi 80 peratus direkodkan sepanjang suku ketiga 2024. Pada Julai 2024, industri Pembuatan beroperasi pada 82.2 peratus, menunjukkan peningkatan 3.6 mata peratus berbanding tahun sebelumnya, sementara 82.8 peratus pada Ogos 2024 (+3.2 mata peratus) dan 82.3 peratus pada September 2024 (+2.2 mata peratus). Meskipun begitu, faktor-faktor seperti permintaan yang rendah; bekalan bahan yang tidak mencukupi; dan pembaikan & penyelenggaraan mesin & kelengkapan kekal sebagai kekangan utama untuk mencapai kapasiti penggunaan penuh.

3.0 Kapasiti Penggunaan mengikut Subsektor Pembuatan, Suku Ketiga 2024

Pada suku ini, semua subsektor mencatatkan kapasiti penggunaan melebihi 80 peratus, dengan subsektor Kelengkapan pengangkutan dan pembuatan lain merekodkan kadar tertinggi pada 84.1 peratus; diikuti dengan Produk mineral bukan logam, logam asas dan produk logam yang direka (83.6%); dan Produk tekstil, pakaian, kulit dan kasut (83.0%). Sebaliknya, kadar terendah direkodkan oleh subsektor Produk kayu, perabot, keluaran kertas dan percetakan (80.4%) (**Paparan 2**).

Berbanding dengan suku tahun sebelum, hampir kesemua subsektor mencatatkan peningkatan pada suku ketiga 2024, dengan peningkatan tertinggi dapat dilihat dalam subsektor makanan, minuman dan tembakau, dengan peningkatan sebanyak 1.9 mata peratus. Manakala, subsektor Kelengkapan pengangkutan dan pembuatan lain menurun 1.9 mata peratus.

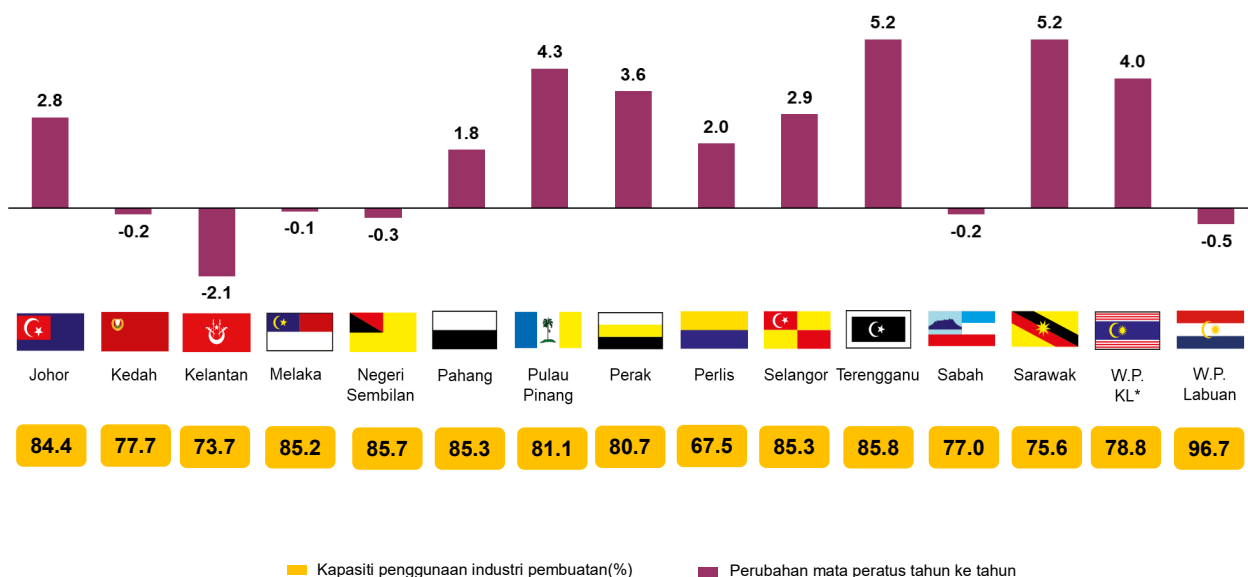
Paparan 2: Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor, ST3 2024

		Kapasiti penggunaan industri Pembuatan (%)	Perubahan mata peratus tahun ke tahun	Perubahan mata peratus suku tahun ke suku tahun
	Makanan, minuman dan tembakau	82.4	2.3	1.9
	Tekstil, pakaian, kulit dan kasut	83.0	3.3	0.2
	Produk kayu, perabot, keluaran kertas dan percetakan	80.4	3.3	0.4
	Petroleum, kimia, getah dan plastik	82.1	4.3	0.2
	Produk mineral bukan logam, logam asas dan produk logam yang direka	83.6	2.1	1.3
	Produk elektrik dan elektronik	82.2	2.3	0.1
	Kelengkapan pengangkutan dan pembuatan lain	84.1	2.7	-1.9

4.0 Kapasiti Penggunaan Industri Pembuatan mengikut Negeri

Tujuh negeri mempamerkan kadar kapasiti penggunaan melepasi paras kadar nasional pada suku ketiga 2024, iaitu WP Labuan (96.7%), Terengganu (85.8%), Negeri Sembilan (85.7%), Selangor (85.3%), Pahang (85.3%), Melaka (85.2%) dan Johor (84.4%). Kadar kapasiti penggunaan terendah dicatatkan oleh Perlis pada 67.5 peratus dengan penurunan 1.7 mata peratus berbanding suku sama tahun sebelumnya (**Paparan 3**).

Paparan 3: Kapasiti Penggunaan Industri Pembuatan mengikut Negeri, ST3 2024



*Termasuk W.P. Putrajaya

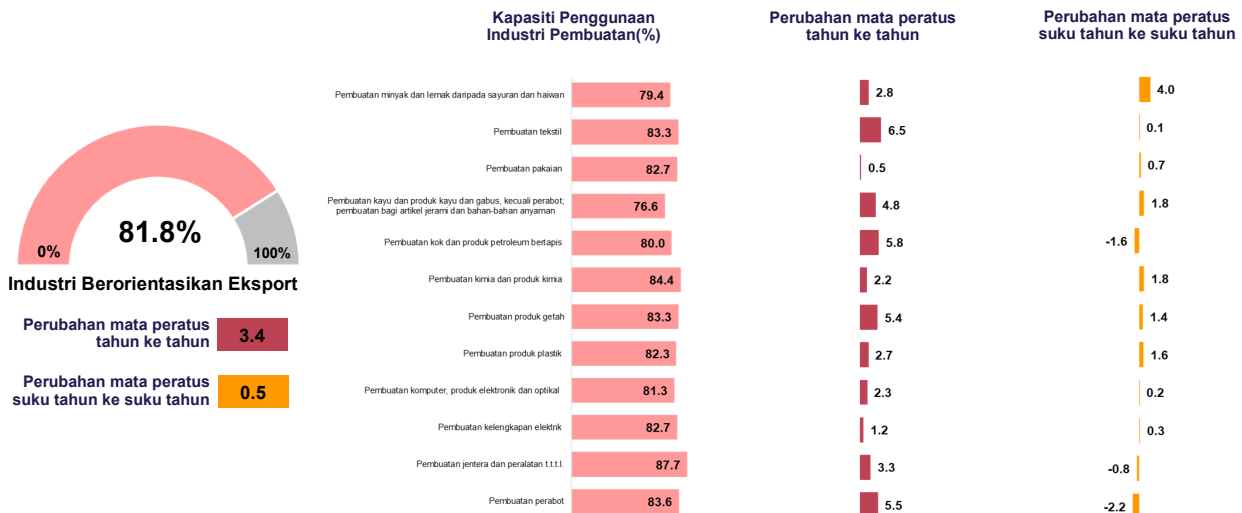
5.0 Kapasiti Penggunaan dalam Industri Berorientasikan Eksport dan Domestik

Kapasiti penggunaan bagi industri berorientasikan eksport meningkat sebanyak 3.4 mata peratus kepada 81.8 peratus (ST3 2023: 78.4%) (**Paparan 4**). Kenaikan ini terutamanya disebabkan oleh peningkatan kadar penggunaan kapasiti dalam industri Pembuatan komputer, produk elektronik dan optikal (81.3%) sebanyak 2.3 mata peratus; serta peningkatan 2.2 mata peratus dalam industri Pembuatan kimia dan produk kimia (84.4%). Namun begitu, dua industri merekodkan kapasiti penggunaan di bawah 80 peratus iaitu Pembuatan minyak dan lemak daripada sayuran dan haiwan (79.4%); dan Pembuatan kayu dan produk kayu dan gabus, kecuali perabot, pembuatan bagi artikel jerami dan bahan-bahan anyaman (76.6%).

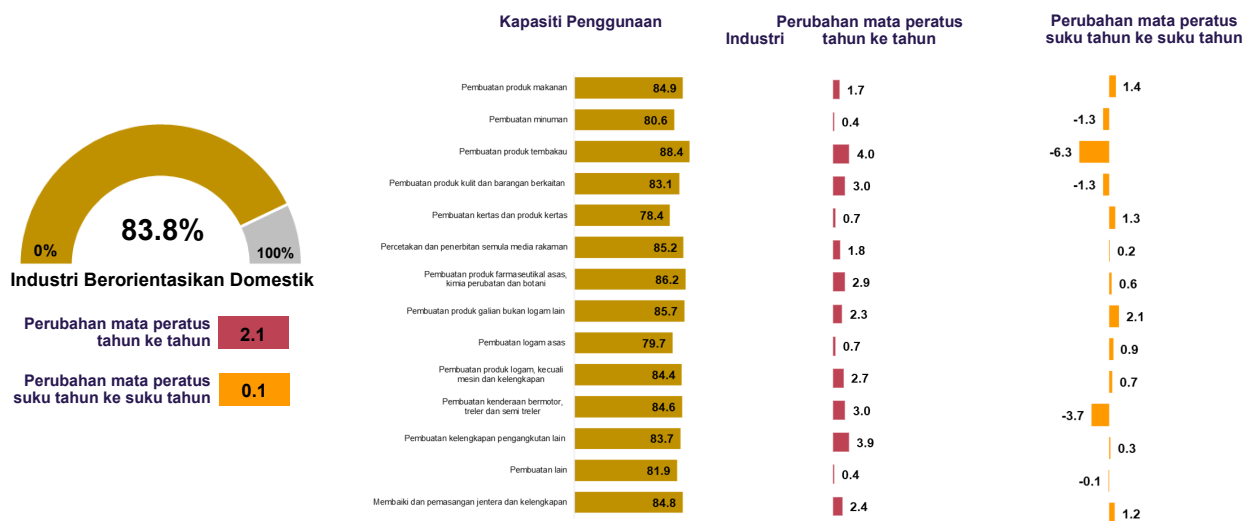
Pada masa yang sama, industri berorientasikan domestik turut berkembang sebanyak 2.1 mata peratus kepada 83.8 peratus (**Paparan 5**). Pengembangan itu terutamanya dipengaruhi oleh industri Pembuatan produk logam, kecuali mesin dan kelengkapan (84.4%); dan Pembuatan produk makanan proses (84.9%), yang masing-masing meningkat 2.7 mata peratus dan 1.7 mata peratus. Sebaliknya, kadar penggunaan kapasiti terendah kekal dicatatkan oleh industri Pembuatan kertas dan produk kertas dengan 78.4 peratus.

Bagi perbandingan dengan suku tahun sebelum, kedua-dua industri berorientasikan eksport dan domestik masing-masing merekodkan kenaikan 0.5 mata peratus dan 0.1 mata peratus.

Paparan 4: Kapasiti Penggunaan Industri Pembuatan Berorientasikan Eksport



Paparan 5: Kapasiti Penggunaan Industri Pembuatan Berorientasikan Domestik



6.0 Prestasi Indeks Pengeluaran Perindustrian (IPP), Suku Ketiga 2024

Bagi suku tahun ketiga 2024, IPP meningkat sebanyak 3.9 peratus berbanding 4.5 peratus yang dicatatkan pada suku tahun kedua 2024. Peningkatan ini didorong oleh sektor Pembuatan dengan pertumbuhan 5.8 peratus, terus meningkat daripada 4.9 peratus pada suku tahun kedua 2024. Selain itu, IPP bagi sektor Perlombongan merosot sebanyak 4.6 peratus (ST2 2024: 2.4%), manakala sektor Elektrik mencatat pertumbuhan sebanyak 5.1 peratus (ST2 2024: 5.3%). Dalam perbandingan suku ke suku, IPP meningkat sebanyak 3.7 peratus.

1.0 Introduction

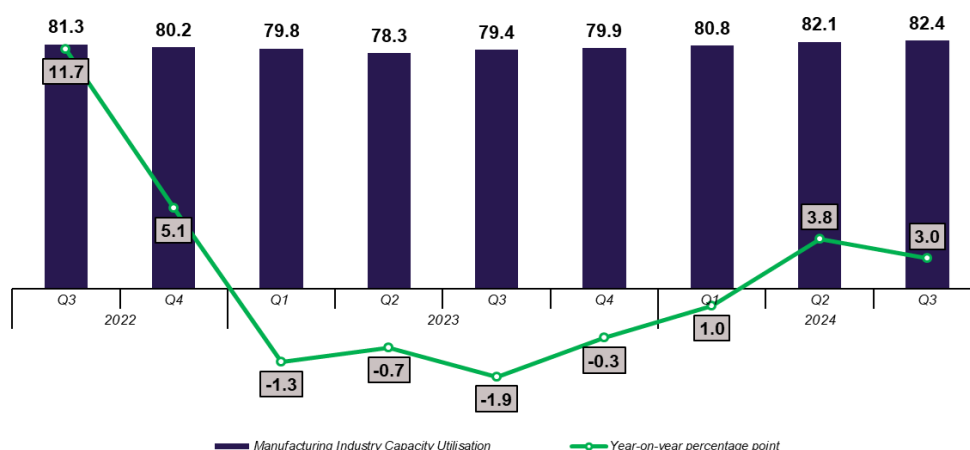
This publication presents statistics on capacity utilisation for Manufacturing industries acquired from the Monthly Manufacturing Survey conducted by the Department of Statistics, Malaysia. The statistics reported in this publication is for the period of the first quarter of 2017 until the third quarter of 2024 at the national and state level. In addition, annual and monthly data are also reported in this publication.

Capacity utilisation refers to a ratio of actual output produced to the production of output at full capacity through an optimal combination of machinery, raw materials and labour. The concept used in this compilation is guided by the International Recommendations for Industrial Statistics 2008, United Nations Statistics Division while the definition of Manufacturing is consistent with Malaysia Standard Industrial Classification (MSIC) 2008 Ver. 1.0.

2.0 Performance of Manufacturing Industry Capacity Utilisation in Malaysia, Third Quarter of 2024

The capacity utilisation of the Manufacturing industry was 82.4 per cent in the third quarter of 2024, which increased by 3.0 percentage points compared to the same quarter of the preceding year (Q3 2023: 79.4%). In comparison with the previous quarter, the capacity utilisation of the Manufacturing industry rose by 0.3 percentage points (Q2 2024: 82.1%) (**Figure 1**).

Figure 1 : Manufacturing Industry Capacity Utilisation, Q3 2022 - Q3 2024



The capacity utilisation rate above 80 per cent was recorded throughout the third quarter of 2024. In July 2024, the Manufacturing industry operated at 82.2 per cent, marking an increase of 3.6 percentage points compared to the previous year, while 82.8 per cent in August 2024 (+3.2 percentage points); and 82.3 per cent in September 2024 (+2.2 percentage points). Even so, factors such as low demand; insufficient supply of materials; and the repair & maintenance of machinery & equipment remained as the main constraints to achieve full capacity utilisation.

SUMMARY OF FINDINGS

3.0 Capacity Utilisation by Manufacturing Sub-sector, Third Quarter of 2024

In this quarter, all sub-sectors posted capacity utilisation above 80 per cent, with the highest rate recorded by the Transport equipment and other manufacturers sub-sector at 84.1 per cent; followed by Non-metallic mineral products, basic metal and fabricated metal products (83.6%); and Textiles, wearing apparel, leather and footwear (83.0%). In contrast, the lowest rate was recorded by the Wood products, furniture, paper products and printing sub-sector (80.4%) (**Figure 2**).

As compared to the preceding quarter, almost all sub-sectors registered an increment in the third quarter 2024 which the highest increment was observed in Food, beverages and tobacco, with an increase of 1.9 percentage points. Whilst, Transport equipment and other manufactures sub-sectors declined by 1.9 percentage points.

Figure 2: Manufacturing Industry Capacity Utilisation by Sub-sector, Q3 2024

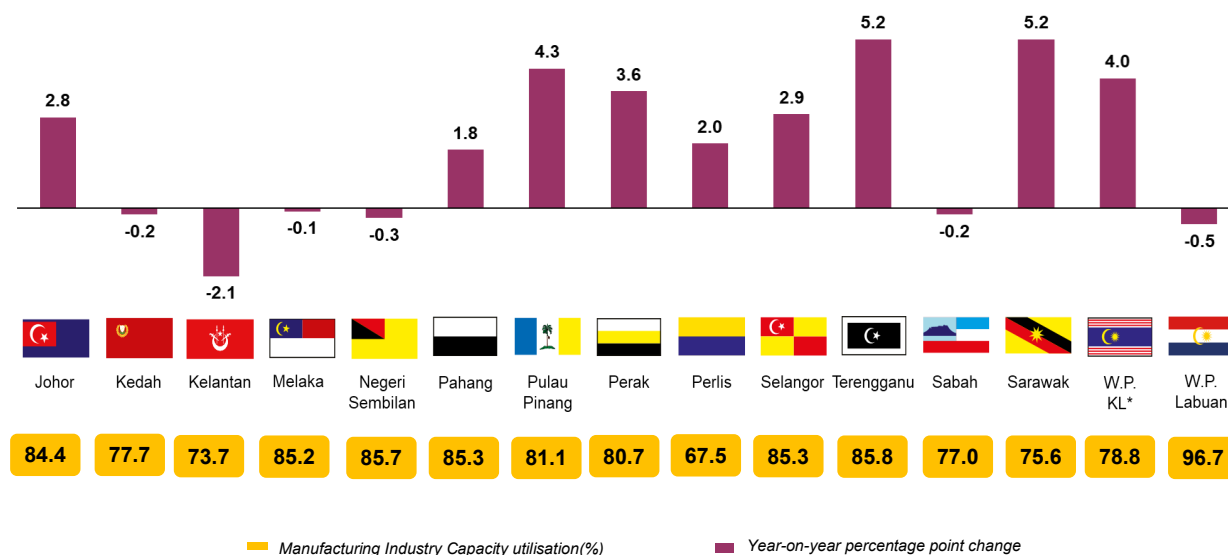
		Manufacturing industry capacity utilisation (%)	Year-on-year percentage point change	Quarter-on-quarter percentage point change
	Food, beverages and tobacco	82.4	2.3	1.9
	Textiles, wearing apparel, leather and footwear	83.0	3.3	0.2
	Wood products, furniture, paper products and printing	80.4	3.3	0.4
	Petroleum, chemical, rubber and plastic	82.1	4.3	0.2
	Non-metallic mineral products, basic metal and fabricated metal products	83.6	2.1	1.3
	Electrical and electronic products	82.2	2.3	0.1
	Transport equipment and other manufactures	84.1	2.7	-1.9

4.0 Manufacturing Industry Capacity Utilisation by State

Seven states demonstrated capacity utilisation rates surpassing the national rate in the third quarter of 2024, namely WP Labuan (96.7%), Terengganu (85.8%), Negeri Sembilan (85.7%), Selangor (85.3%), Pahang (85.3%), Melaka (85.2%) and Johor (84.4%). The lowest capacity utilisation rate posted by Perlis at 67.5 per cent with 1.7 percentage points decline as compared to the same quarter last year (**Figure 3**).

SUMMARY OF FINDINGS

Figure 3: Manufacturing Industry Capacity Utilisation by State, Q3 2024



5.0 Capacity Utilisation in Export-Oriented and Domestic-Oriented Industries

The capacity utilisation in the export-oriented industries increased by 3.4 percentage points to 81.8 per cent (Q3 2023: 78.4%) (**Figure 4**). The rise was mainly attributable to the increase of capacity utilisation rate in the Manufacture of computer, electronics and optical products industry (81.3%) by 2.3 percentage points; as well as 2.2 percentage points increase in the Manufacture of chemical and chemical products (84.4%) industry. However, two industries recorded the capacity utilisation below 80 per cent namely Manufacture of vegetable and animal oils and fats (79.4%); and Manufacture of wood and products of wood and cork, except furniture, manufacture of articles of straw and plaiting materials (76.6%).

In the meantime, the capacity utilisation in the domestic-oriented industries also expanded by 2.1 percentage points to 83.8 per cent (**Figure 5**). The expansion was primarily influenced by the Manufacture of fabricated metal products, except machinery & equipment (84.4%); and the Manufacture of processed food products (84.9%) industries, which increased by 2.7 percentage points and 1.7 percentage points, respectively. Conversely, the lowest capacity utilisation rate was posted by the Manufacture of paper and paper products industry at 78.4 per cent.

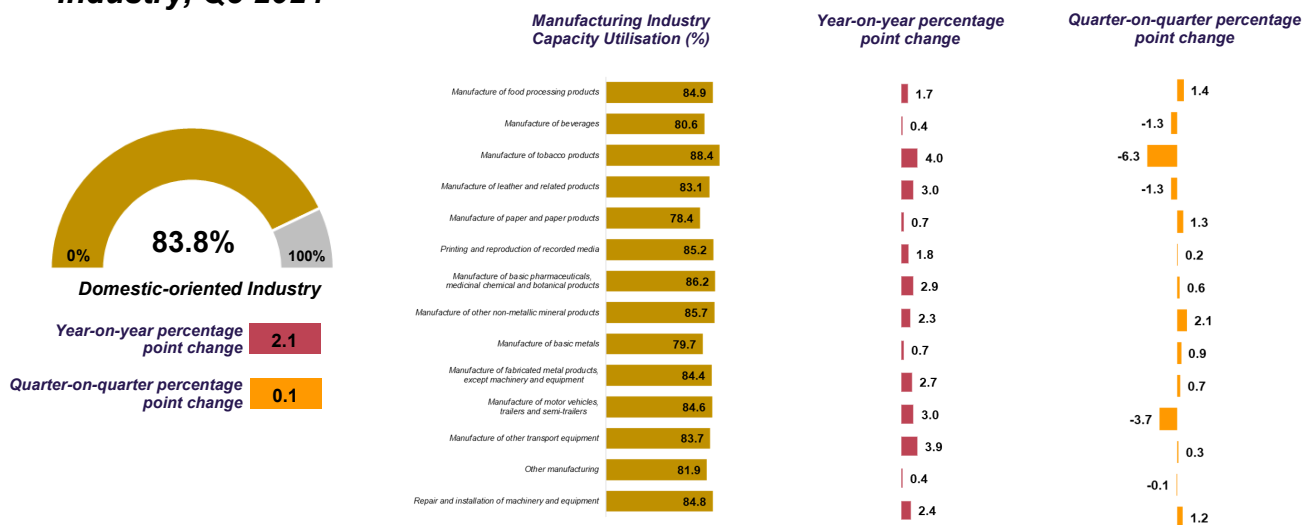
In comparison with the previous quarter, both export-oriented and domestic-oriented industries registered an increment of 0.5 percentage points and 0.1 percentage points, respectively.

SUMMARY OF FINDINGS

Figure 4: Manufacturing Industry Capacity Utilisation by Export-Oriented Industry, Q3 2024



Figure 5: Manufacturing Industry Capacity Utilisation by Domestic-Oriented Industry, Q3 2024



6.0 Performance of Industrial Production Index (IPI), Third Quarter of 2024

For the third quarter of 2024, the IPI increased by 3.9 per cent as against 4.5 per cent recorded in the second quarter of 2024. The uptick was driven by the Manufacturing sector at 5.8 per cent growth, advancing further from 4.9 per cent in the second quarter of 2024. Furthermore, the IPI for Mining sectors declined by 4.6 per cent (Q2 2024: 2.4%) while, the Electricity sector posted a growth of 5.1 per cent (Q2 2024: 5.3%). On a quarter-on quarter comparison, the IPI turned upward by 3.7 per cent.

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1a Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Tahunan

Manufacturing Industry Capacity Utilisation by Sub-sector – Yearly

Keterangan Subsektor Sub-sector Description		2017	2018	2019	2020	2021	2022	2023
1. Makanan, minuman dan tembakau Food, beverages and tobacco		70.5	71.1	73.3	66.7	67.3	81.2	78.9
10	Pembuatan produk makanan Manufacture of food products	76.3	76.5	73.7	73.9	75.1	76.4	78.1
11	Pembuatan minuman Manufacture of beverages	67.3	71.9	71.4	65.3	67.3	81.5	80.1
12	Pembuatan produk tembakau Manufacture of tobacco products	73.0	65.3	76.9	59.7	61.4	84.2	89.3
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear		77.8	78.1	77.8	68.4	74.5	81.0	79.6
13	Pembuatan tekstil Manufacture of textiles	71.3	69.1	69.1	65.7	73.7	85.5	76.8
14	Pembuatan pakaian Manufacture of wearing apparel	84.2	87.4	87.0	70.9	76.2	74.1	81.4
15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	81.0	81.8	79.2	70.6	71.2	89.9	82.1
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing		77.5	78.0	77.0	69.9	70.9	78.1	77.1
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	75.1	75.4	73.9	67.6	68.9	72.6	70.4
17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	78.2	81.0	79.1	73.9	74.2	79.3	77.6
18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	77.0	76.4	77.1	69.8	70.9	82.0	83.2
31	Pembuatan perabot Manufacture of furniture	81.4	80.0	79.9	68.8	70.2	83.8	81.2
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic		82.8	82.4	80.1	70.5	75.0	80.8	78.4
19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	86.9	84.4	80.3	63.0	70.8	81.6	76.5
20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	78.6	82.3	81.1	76.3	80.2	80.1	80.9
21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	72.4	74.6	73.3	73.7	72.4	80.0	83.0
22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	80.1	78.9	78.5	78.3	76.7	79.9	78.6
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		74.6	75.8	74.6	68.0	69.4	79.2	80.7
23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	72.4	72.7	72.1	64.1	67.9	80.1	81.7
24	Pembuatan logam asas Manufacture of basic metals	77.8	77.1	75.7	68.0	68.7	77.2	78.9
25	Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	73.8	77.1	75.8	70.8	71.1	80.1	81.3
6. Produk elektrik dan elektronik Electrical and electronic products		80.3	78.9	77.3	70.8	76.7	80.5	79.5
26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	80.7	78.9	77.1	70.5	76.9	80.1	78.8
27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	80.9	80.6	80.3	71.8	77.1	82.8	80.4
28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	76.0	76.4	75.5	71.9	74.3	81.7	83.3
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures		73.2	76.7	78.1	67.3	70.1	81.6	82.1
29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	70.6	77.9	78.9	64.9	69.0	83.0	82.8
30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	77.7	74.8	78.5	69.6	72.0	81.3	80.4
32	Pembuatan lain Other manufacturing	76.6	73.9	76.3	72.6	71.9	76.9	81.0
33	Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	77.9	75.8	74.3	72.7	72.2	78.6	82.1
Malaysia		79.2	79.1	77.8	69.8	73.9	80.4	79.4

1b Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Sub-sector – Quarterly

Keterangan Subsektor Sub-sector Description	2017				2018			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	70.3	73.3	74.5	63.8	65.8	71.7	74.1	72.6
10 Pembuatan produk makanan <i>Manufacture of food products</i>	73.8	78.0	76.7	76.9	76.0	75.5	75.5	79.0
11 Pembuatan minuman <i>Manufacture of beverages</i>	64.6	69.2	72.6	62.7	63.9	73.0	77.0	73.5
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	80.0	78.5	77.2	56.2	62.4	66.3	66.6	66.0
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	78.8	73.8	79.0	79.4	75.6	81.4	77.8	77.5
13 Pembuatan tekstil <i>Manufacture of textiles</i>	73.9	65.7	73.3	72.4	64.3	75.6	68.3	68.3
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	83.0	81.2	85.3	87.4	87.4	87.5	87.4	87.5
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	83.7	81.3	79.7	79.3	80.6	83.9	83.5	79.4
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	77.1	77.1	77.6	78.1	77.4	78.2	78.6	77.7
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>	75.1	73.9	74.5	76.7	74.4	74.7	76.1	76.2
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	77.7	78.1	78.1	78.8	81.2	80.7	81.2	80.7
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	74.6	79.0	79.1	75.4	74.9	79.2	78.7	72.8
31 Pembuatan perabot <i>Manufacture of furniture</i>	82.1	80.3	81.3	82.2	79.9	80.2	79.7	80.2
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	83.2	80.3	83.6	83.9	83.8	82.7	81.3	81.9
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	88.6	82.8	87.8	88.4	85.8	85.9	81.8	83.9
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	78.2	77.4	79.4	79.5	84.0	81.0	82.2	82.0
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceuticals, medicinal chemical and botanical products</i>	69.3	71.2	72.5	76.5	74.8	72.9	76.0	74.6
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	79.5	79.3	80.9	80.7	79.6	78.5	79.3	78.3
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	74.9	73.3	74.4	75.7	75.9	75.4	76.3	75.6
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	73.5	71.6	71.3	73.1	72.7	72.4	73.8	72.1
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	78.3	75.0	79.0	79.0	77.4	76.6	77.6	76.8
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	73.3	73.3	73.3	75.3	77.1	76.7	77.2	77.3
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	79.4	78.9	82.0	81.0	79.5	79.1	80.1	76.8
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	79.5	79.0	82.8	81.5	79.2	79.0	80.6	76.6
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	79.7	80.4	82.5	81.2	81.3	82.0	79.5	79.8
28 Pembuatan jentera dan peralatan t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	77.9	76.2	74.4	75.5	79.2	76.4	75.6	74.4
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	73.3	72.7	72.3	74.5	77.1	78.0	74.4	77.3
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	70.1	70.8	69.0	72.4	77.9	80.6	74.7	78.3
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	79.8	74.1	77.8	79.1	75.2	73.0	73.1	77.9
32 Pembuatan lain <i>Other manufacturing</i>	77.6	76.2	77.5	75.0	74.3	73.7	73.0	74.6
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	76.2	78.3	78.1	79.0	78.9	75.4	76.6	72.3
Malaysia	79.1	77.7	80.1	80.0	79.7	79.4	79.1	78.3

2019				2020				2021				2022	
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
71.5	72.9	73.5	75.1	69.3	60.9	69.6	66.8	71.9	63.2	58.5	75.5	85.3	82.2
74.4	74.9	73.8	71.5	73.1	75.2	74.9	72.3	75.1	76.2	77.1	71.8	74.2	74.4
67.6	70.1	71.6	76.4	68.0	54.5	67.5	71.2	66.9	62.7	64.1	75.5	83.2	80.5
78.1	77.4	77.2	74.8	66.8	47.9	70.4	53.6	80.3	55.1	32.1	77.9	98.2	91.7
76.8	77.5	78.1	78.7	73.6	57.7	70.4	72.0	77.9	75.6	69.2	75.4	80.9	81.4
69.3	68.6	69.1	69.4	71.7	54.1	68.3	68.7	78.4	75.7	68.2	72.4	86.6	83.0
85.3	87.0	87.6	88.3	75.8	60.8	72.1	74.8	78.5	76.4	70.8	79.2	73.3	78.4
75.9	79.2	79.8	82.1	72.4	61.5	72.8	75.7	73.2	71.4	66.9	73.4	87.7	86.9
76.9	77.1	76.8	77.1	72.0	62.0	72.6	73.1	73.2	70.3	66.8	73.4	78.3	78.6
74.8	74.4	73.3	73.0	67.3	62.4	70.3	70.1	69.0	68.3	66.6	71.7	72.6	73.5
78.2	79.1	78.7	80.2	74.4	68.4	75.7	77.1	77.6	75.3	70.4	73.3	82.7	79.3
75.5	78.6	78.2	75.9	73.8	62.9	72.6	70.1	74.4	69.4	65.1	74.5	78.0	82.8
80.1	78.3	79.6	81.6	75.9	51.2	72.8	75.5	74.0	67.6	63.7	75.7	83.1	83.9
76.7	80.2	81.4	82.0	71.5	62.7	73.3	74.5	79.6	77.6	70.4	72.4	82.6	77.7
74.4	79.8	83.5	83.7	65.7	50.9	67.0	68.3	78.7	77.3	64.2	63.2	84.4	74.7
79.8	82.2	80.6	81.8	76.1	71.6	77.9	79.5	81.8	78.8	78.2	81.9	81.0	80.1
72.9	75.0	74.5	70.6	73.0	70.5	76.0	75.1	72.9	71.2	74.4	71.2	76.7	79.8
77.6	78.6	78.5	79.4	77.6	75.0	79.9	80.8	78.8	77.0	72.3	78.8	81.1	80.5
74.0	74.5	75.1	75.0	68.9	59.0	71.8	72.4	73.3	67.2	64.9	72.3	79.4	78.8
71.8	71.6	72.0	72.9	64.4	53.3	69.1	69.7	71.4	65.8	63.6	70.9	78.9	80.6
73.3	75.6	77.5	76.5	69.0	60.3	70.5	72.2	72.2	65.4	64.6	72.8	78.2	76.4
76.2	75.8	75.5	75.5	72.2	61.9	74.7	74.5	75.5	69.7	66.2	72.9	80.7	79.3
75.9	77.0	78.7	77.8	71.8	62.0	73.9	75.3	76.3	77.1	74.5	79.1	80.7	79.6
75.3	76.8	79.0	77.5	71.7	61.4	73.7	75.1	76.1	77.7	75.1	78.7	80.4	79.1
80.9	79.6	79.8	80.7	73.2	63.4	76.0	74.5	76.6	76.7	73.5	81.7	82.2	80.8
74.6	75.6	75.0	76.6	70.7	65.1	73.0	78.9	77.5	71.4	69.6	78.7	81.7	82.3
78.8	77.5	77.9	78.4	71.0	52.7	71.9	73.5	76.4	67.8	60.2	76.0	81.0	80.6
80.1	77.6	78.5	79.4	68.8	46.5	71.4	72.9	77.8	64.9	55.2	77.9	82.6	81.6
79.8	79.6	78.5	76.0	76.0	60.2	68.8	73.4	72.8	73.1	69.4	72.4	78.1	82.0
75.1	77.4	76.0	76.6	72.0	65.9	77.0	75.6	75.0	71.8	68.1	72.8	75.9	75.9
71.5	72.4	74.6	78.7	73.7	66.0	75.6	75.3	76.0	71.5	66.4	74.8	82.3	76.1
76.1	77.7	78.8	78.7	71.2	60.8	73.0	74.1	76.7	74.3	69.6	75.1	81.1	79.0

1b Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Sub-sector – Quarterly

Keterangan Subsektor Sub-sector Description		2022		2023		2024			
		Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
1. Makanan, minuman dan tembakau Food, beverages and tobacco		77.9	79.5	78.6	76.5	80.1	80.4	78.2	80.5
10 Pembuatan produk makanan Manufacture of food products		78.9	78.0	77.6	75.2	79.8	79.6	76.8	79.4
11 Pembuatan minuman Manufacture of beverages		81.8	80.7	77.9	80.4	80.2	81.8	81.1	81.9
12 Pembuatan produk tembakau Manufacture of tobacco products		68.8	77.8	93.6	89.5	84.4	89.8	94.8	94.7
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear		82.4	79.3	78.0	80.1	79.7	80.5	80.1	82.8
13 Pembuatan tekstil Manufacture of textiles		87.7	84.6	74.9	78.4	76.8	77.2	79.8	83.2
14 Pembuatan pakaian Manufacture of wearing apparel		74.2	70.6	78.5	81.7	82.2	83.3	78.8	82.0
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products		92.4	92.8	86.1	79.9	80.1	82.1	87.7	84.4
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing		78.9	76.7	75.2	76.2	77.1	80.0	79.8	80.0
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		73.5	70.8	68.4	69.0	71.8	72.4	72.4	74.8
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products		78.4	76.6	77.3	76.6	77.7	78.9	78.1	77.1
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media		84.5	82.8	81.5	83.2	83.4	84.8	84.1	85.0
31 Pembuatan perabot Manufacture of furniture		85.1	83.0	80.3	79.3	78.1	87.3	88.0	85.8
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic		80.7	82.1	80.8	77.1	77.8	77.9	82.2	81.9
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products		81.6	85.7	82.2	73.4	74.2	76.1	84.2	81.6
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products		79.9	79.5	80.0	81.2	82.2	80.0	80.0	82.6
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products		86.4	77.0	82.8	82.7	83.3	83.2	85.2	85.6
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products		79.4	78.5	78.9	78.4	78.7	78.5	81.0	81.3
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		79.9	78.7	78.9	79.3	81.5	83.2	82.9	82.3
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products		81.8	79.1	77.4	80.5	83.4	85.7	85.5	83.6
24 Pembuatan logam asas Manufacture of basic metals		78.6	75.7	78.4	77.5	79.0	80.3	79.1	78.8
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment		79.5	80.9	80.6	79.7	81.7	83.1	83.2	83.7
6. Produk elektrik dan elektronik Electrical and electronic products		82.2	79.7	78.9	79.6	79.9	79.5	78.4	82.1
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products		81.7	79.2	78.4	79.1	79.0	78.5	77.3	81.1
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment		85.2	82.9	81.0	78.0	81.5	81.0	80.8	82.4
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.		83.1	79.8	79.9	84.5	84.4	84.3	83.7	88.5
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures		84.2	80.5	84.0	80.7	81.4	82.2	85.1	86.0
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers		86.3	81.3	86.1	82.1	81.6	81.3	86.1	88.3
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment		82.3	82.8	80.0	78.8	79.8	83.0	84.1	83.4
32 Pembuatan lain Other manufacturing		77.9	77.8	80.6	79.1	81.5	82.7	82.1	82.0
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment		80.2	75.7	82.8	78.9	82.4	84.5	84.8	83.6
Malaysia		81.3	80.2	79.8	78.3	79.4	79.9	80.8	82.1

1c Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Bulanan

Manufacturing Industry Capacity Utilisation by Sub-sector – Monthly

Keterangan Subsektor Sub-sector Description	2017								
	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	70.6	69.6	70.6	72.2	75.8	71.9	77.1	72.9	73.6
10 Pembuatan produk makanan <i>Manufacture of food products</i>	73.3	73.5	74.7	79.2	78.5	76.2	76.3	76.8	76.9
11 Pembuatan minuman <i>Manufacture of beverages</i>	69.6	61.4	62.7	64.1	74.8	68.6	76.0	72.5	69.2
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	70.9	84.5	84.6	84.3	75.7	75.6	80.1	71.0	80.5
2 Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	78.1	77.1	81.1	76.5	75.1	69.9	75.0	80.2	81.8
13 Pembuatan tekstil <i>Manufacture of textiles</i>	70.9	73.7	77.1	68.1	66.1	62.8	65.3	75.3	79.4
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	84.7	79.7	84.7	84.6	83.7	75.4	85.0	85.5	85.4
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	83.9	82.3	84.8	82.7	80.9	80.4	79.8	81.4	77.7
3 Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	77.3	76.3	77.7	78.2	78.1	75.0	77.8	78.2	76.6
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>	76.0	74.0	75.4	75.2	75.5	71.0	74.9	75.0	73.7
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	77.6	77.1	78.3	79.1	80.3	74.9	80.1	77.0	77.2
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	74.6	74.5	74.5	82.5	75.8	78.8	78.5	82.6	76.3
31 Pembuatan perabot <i>Manufacture of furniture</i>	81.7	80.9	83.6	79.2	82.0	79.5	79.8	82.3	81.6
4 Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	84.3	83.2	82.2	76.7	79.1	85.1	84.9	83.7	82.4
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	90.0	89.4	86.2	76.1	81.8	90.7	90.8	88.3	84.4
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	79.4	77.2	77.9	75.7	75.5	81.1	78.9	78.5	80.9
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceuticals, medicinal chemical and botanical products</i>	72.9	64.3	70.6	74.2	69.0	70.4	72.0	73.4	72.2
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	79.0	79.2	80.3	79.6	78.9	79.5	80.8	81.4	80.6
5 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	75.5	73.7	75.5	73.8	74.4	71.8	75.2	75.4	72.7
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	76.3	72.8	71.5	72.6	70.6	71.6	71.4	71.7	70.7
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	78.9	74.4	81.7	75.8	77.7	71.6	80.1	81.7	75.2
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	72.2	73.9	73.7	73.2	74.7	72.0	74.3	73.4	72.4
6 Produk elektrik dan elektronik <i>Electrical and electronic products</i>	78.7	78.8	80.7	78.4	79.9	78.4	80.3	82.4	83.5
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	78.5	79.0	81.0	78.2	80.1	78.9	80.5	83.1	84.9
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	80.2	79.4	79.6	80.6	81.2	79.3	83.2	82.8	81.4
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	78.3	76.2	79.3	78.2	77.2	73.1	74.4	75.1	73.8
7 Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	75.2	72.2	72.4	70.7	73.8	73.6	74.0	71.6	71.3
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	71.3	68.3	70.8	66.8	72.2	73.4	72.2	67.7	67.0
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	84.6	81.9	73.0	76.9	75.3	70.2	77.3	76.9	79.1
32 Pembuatan lain <i>Other manufacturing</i>	80.9	74.2	77.7	76.0	75.5	77.0	76.2	78.5	77.8
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	75.4	76.7	76.6	77.4	79.7	77.6	78.3	78.7	77.3
Malaysia	79.4	78.5	79.3	76.3	78.0	78.7	80.1	80.3	79.8

1c Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Bulanan

Manufacturing Industry Capacity Utilisation by Sub-sector – Monthly

Keterangan Subsektor Sub-sector Description	2017			2018					
	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	62.6	64.0	64.9	66.7	61.8	68.9	74.1	72.9	68.3
10 Pembuatan produk makanan <i>Manufacture of food products</i>	79.1	75.4	76.2	77.2	71.6	79.3	79.4	74.8	72.3
11 Pembuatan minuman <i>Manufacture of beverages</i>	60.9	65.1	62.2	68.0	56.0	67.8	76.1	75.2	67.7
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	53.6	53.0	62.1	56.1	67.2	63.8	65.6	66.4	66.7
2 Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	80.4	77.4	80.6	78.0	73.3	75.5	78.6	78.7	86.9
13 Pembuatan tekstil <i>Manufacture of textiles</i>	74.9	68.5	73.9	69.0	61.5	62.2	69.5	69.5	87.9
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	86.7	87.0	88.4	87.6	85.6	88.9	88.0	88.3	86.0
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	79.5	78.8	79.5	80.5	78.4	83.0	83.2	82.7	85.7
3 Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	78.6	78.2	77.6	78.3	74.6	79.3	78.2	79.0	77.2
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>	77.4	75.7	76.9	76.1	70.2	77.1	75.6	75.4	73.2
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	79.0	79.5	78.0	83.1	79.2	81.2	81.9	81.4	78.9
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	77.0	75.4	73.7	72.6	72.5	79.6	76.5	81.1	79.9
31 Pembuatan perabot <i>Manufacture of furniture</i>	81.8	83.2	81.6	80.5	78.6	80.6	79.5	80.7	80.4
4 Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	84.0	84.0	83.7	85.3	82.9	83.2	82.8	83.0	82.2
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	87.2	89.5	88.5	88.6	84.1	84.8	86.2	85.2	86.4
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	81.5	77.9	79.1	84.2	84.4	83.4	80.2	83.3	79.4
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceuticals, medicinal chemical and botanical products</i>	76.0	79.9	73.7	75.6	73.8	75.0	72.2	71.8	74.6
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	81.1	80.7	80.2	80.3	78.5	79.9	79.4	78.7	77.3
5 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	75.2	76.1	75.9	77.1	73.1	77.4	76.9	75.7	73.6
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	72.6	74.2	72.5	74.2	69.6	74.5	73.8	72.7	70.7
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	78.9	79.6	78.5	78.7	73.7	79.9	78.8	77.7	73.4
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	74.5	74.8	76.6	78.0	75.4	77.8	77.7	76.6	75.9
6 Produk elektrik dan elektronik <i>Electrical and electronic products</i>	81.5	81.3	80.1	78.2	76.9	83.2	79.4	79.9	78.0
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	82.2	81.9	80.5	77.7	76.4	83.5	78.9	79.9	78.2
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	82.1	81.2	80.4	81.7	80.2	82.0	83.3	82.2	80.5
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	74.8	76.2	75.4	77.8	77.3	82.5	79.0	76.7	73.5
7 Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	69.3	77.1	77.2	79.5	75.3	76.5	77.4	79.0	77.6
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	64.1	76.3	76.7	79.9	74.3	79.6	80.9	80.6	80.3
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	77.9	80.0	79.5	79.9	77.8	67.8	68.5	77.6	72.8
32 Pembuatan lain <i>Other manufacturing</i>	75.7	74.0	75.4	77.0	73.4	72.4	74.7	74.5	71.8
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	79.5	80.0	77.5	79.6	78.8	78.3	75.5	75.1	75.7
Malaysia	79.7	80.4	79.9	80.2	77.7	81.1	79.7	80.0	78.6

2019															
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.
76.6	75.9	69.7	73.6	70.4	73.9	74.7	69.3	70.6	77.1	72.7	68.8	71.2	74.9	74.3	75.5
74.9	75.1	76.4	80.4	78.8	78.0	72.0	76.4	74.9	75.4	77.3	72.1	74.1	73.4	73.9	71.4
81.7	80.7	68.6	74.8	69.7	76.0	74.3	63.4	65.2	71.6	72.7	66.1	68.8	72.6	73.5	75.9
66.8	66.0	67.0	66.0	65.5	66.4	77.6	77.3	79.2	90.0	69.8	72.5	74.4	80.9	76.4	77.4
79.2	78.6	75.7	79.2	75.7	77.6	77.4	74.9	78.1	78.1	77.8	76.7	78.7	78.2	77.3	78.3
69.1	69.9	66.0	70.9	65.7	68.3	69.8	68.4	69.9	69.9	67.9	68.1	69.2	69.2	69.0	69.9
89.1	87.4	85.8	88.3	86.2	87.9	86.5	82.1	87.1	86.7	88.3	86.0	89.1	87.6	86.1	86.6
86.4	84.0	80.0	80.0	79.5	78.5	74.5	75.0	78.1	79.8	80.0	77.9	79.8	80.3	79.1	82.1
79.4	79.0	77.5	78.2	76.9	78.0	77.9	74.6	78.1	78.6	77.7	75.1	76.8	77.3	76.2	77.1
76.3	76.1	76.0	76.1	76.1	76.5	76.5	71.6	76.4	76.7	74.6	72.0	72.9	74.4	72.5	74.5
81.6	81.6	80.5	81.6	79.8	80.8	78.9	75.8	79.9	80.4	81.5	75.4	79.2	78.1	78.8	79.7
81.3	80.2	74.6	74.8	69.7	74.0	75.1	75.4	76.0	80.0	77.8	78.2	77.6	80.5	76.6	74.1
80.5	79.7	78.8	80.1	80.3	80.3	81.5	78.0	80.7	78.3	78.3	78.3	80.2	79.2	79.4	81.2
83.7	80.1	79.9	78.7	83.3	83.8	76.5	78.6	75.0	76.5	80.9	83.1	81.6	80.5	82.1	80.8
85.8	79.6	80.0	76.4	87.0	88.2	73.8	77.4	71.9	72.8	80.0	86.5	83.4	82.4	84.8	81.6
83.4	81.7	81.6	82.2	82.2	81.6	79.3	82.0	77.9	80.7	83.8	82.0	81.1	79.0	81.7	81.4
79.5	75.9	72.6	75.4	73.1	75.4	75.8	71.7	71.4	76.1	75.4	73.6	76.1	75.7	71.9	72.3
80.2	79.5	78.1	79.2	77.7	78.0	78.3	76.5	77.9	78.6	79.3	77.8	79.0	78.7	77.7	78.9
77.0	76.3	75.7	76.8	74.7	75.3	75.4	71.4	75.1	76.4	75.2	71.8	75.7	75.4	74.1	75.5
74.4	73.8	73.2	72.9	72.3	71.0	72.6	69.1	73.5	73.9	72.2	68.8	73.4	72.6	70.0	73.1
79.6	77.2	76.1	79.3	73.7	77.6	74.6	70.1	75.1	77.4	77.9	71.5	77.2	78.3	76.9	78.5
77.0	77.5	77.2	78.0	77.3	76.8	78.2	74.2	76.2	77.6	75.4	74.5	76.1	75.2	75.1	75.0
80.5	80.1	79.6	78.8	75.7	75.8	76.8	74.3	76.5	77.0	77.1	76.9	79.9	78.7	77.4	78.4
81.0	80.8	80.1	78.8	75.5	75.5	76.5	73.6	75.8	76.4	76.8	77.1	80.4	79.2	77.3	78.2
79.9	79.3	79.3	81.0	79.2	79.1	81.2	80.1	81.4	81.1	80.9	76.8	79.9	79.5	80.1	81.5
76.6	74.8	75.5	75.7	73.1	74.3	74.0	73.2	76.7	76.7	75.6	74.7	76.1	74.0	75.1	76.7
78.9	74.7	69.6	76.5	79.0	76.4	76.8	80.4	79.1	77.9	78.1	76.5	78.9	76.6	78.3	79.5
82.6	73.9	67.7	78.0	80.7	76.1	76.2	83.8	80.5	77.8	77.8	77.2	79.4	76.8	79.4	82.2
71.3	76.0	72.1	73.8	79.3	80.4	80.9	78.1	80.4	80.8	81.0	76.9	81.1	77.9	76.7	75.1
71.9	75.6	71.6	73.9	76.3	73.4	79.5	71.1	74.8	78.0	78.9	75.3	75.7	75.4	77.0	75.2
77.5	76.4	76.0	74.5	68.9	73.5	69.8	73.0	71.7	72.5	72.6	72.0	74.8	73.7	75.2	75.1
80.7	78.9	77.8	78.1	78.3	78.5	76.6	75.8	76.1	77.0	78.2	77.9	79.4	78.4	78.4	78.8

1c Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Bulanan

Manufacturing Industry Capacity Utilisation by Sub-sector – Monthly

Keterangan Subsektor Sub-sector Description		2019		2020						
		Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
1	Makanan, minuman dan tembakau Food, beverages and tobacco	75.2	74.7	72.3	73.2	62.4	54.0	61.5	67.2	69.7
10	Pembuatan produk makanan Manufacture of food products	71.4	71.7	72.6	72.9	73.7	71.3	76.0	78.3	75.0
11	Pembuatan minuman Manufacture of beverages	76.2	77.1	71.4	73.6	58.9	49.8	50.9	62.9	65.0
12	Pembuatan produk tembakau Manufacture of tobacco products	75.6	71.5	73.9	72.5	54.0	1.6	73.6	68.6	76.0
2	Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	78.5	79.4	77.3	77.0	66.4	45.1	58.8	69.1	69.2
13	Pembuatan tekstil Manufacture of textiles	69.9	68.2	76.0	74.4	64.8	39.0	56.1	67.3	68.4
14	Pembuatan pakaian Manufacture of wearing apparel	87.5	90.8	78.4	79.9	69.1	52.4	59.7	70.3	68.9
15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	80.6	83.4	79.0	76.5	61.6	44.0	67.8	72.7	73.9
3	Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	77.4	76.7	75.2	75.7	65.0	50.9	63.1	72.0	72.3
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	72.8	71.7	70.9	71.5	59.6	55.0	61.6	70.6	70.0
17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	81.2	79.7	78.5	78.6	66.1	61.8	68.1	75.2	75.9
18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	77.0	76.6	73.6	76.4	71.4	47.3	64.9	76.4	75.3
31	Pembuatan perabot Manufacture of furniture	81.3	82.3	80.1	79.1	68.6	29.7	57.4	66.6	69.2
4	Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	83.2	81.9	73.7	74.6	66.3	50.1	65.7	72.2	72.5
19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	85.6	83.8	67.5	69.2	60.3	32.0	54.2	66.6	65.3
20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	82.6	81.4	78.1	79.3	70.8	62.8	76.5	75.6	77.9
21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	72.1	67.5	76.2	73.5	69.2	69.4	68.6	73.6	73.4
22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	79.6	79.6	80.6	79.5	72.7	70.8	75.0	79.2	80.1
5	Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	74.9	74.7	74.1	72.5	60.1	47.0	62.1	68.0	72.0
23	Pembuatan produk galian bukan logam lain Manufacture of other non-metalic mineral products	72.5	73.0	71.4	66.8	55.1	40.2	57.4	62.5	68.7
24	Pembuatan logam asas Manufacture of basic metals	76.3	74.7	74.9	72.5	59.5	49.3	62.7	68.8	71.9
25	Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	75.6	75.9	75.6	76.7	64.2	49.2	65.0	71.3	74.5
6	Produk elektrik dan elektronik Electrical and electronic products	77.1	77.9	75.5	76.1	63.8	48.4	65.9	71.6	73.0
26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	76.6	77.8	75.0	76.1	64.2	47.9	65.1	71.3	72.7
27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	80.8	79.8	78.9	77.3	63.3	49.1	69.4	71.8	75.5
28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	77.0	76.3	76.2	74.5	61.4	52.6	68.9	73.7	73.3
7	Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	80.0	75.7	74.3	72.9	65.7	34.2	55.0	69.0	69.7
29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	80.7	75.3	71.4	70.3	64.8	24.7	49.1	65.6	69.3
30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	76.6	76.3	80.1	79.0	68.8	47.1	61.4	72.1	66.8
32	Pembuatan lain Other manufacturing	78.8	75.7	77.8	75.2	62.9	56.5	67.3	73.9	74.7
33	Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	83.8	77.4	77.8	74.5	68.9	51.3	66.7	79.8	72.0
Malaysia		79.1	78.4	74.6	74.7	64.4	47.7	63.9	70.9	72.2

2021															
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
69.9	69.4	67.5	65.8	67.2	72.6	68.7	74.3	72.2	68.4	49.1	49.3	50.7	75.5	75.8	77.7
75.0	74.7	73.5	71.7	71.6	73.7	72.0	79.7	78.3	73.7	76.7	77.9	76.3	77.2	73.5	70.8
66.6	71.0	72.0	70.2	71.2	69.6	61.9	69.1	68.4	61.6	58.0	57.3	61.1	74.0	74.3	78.3
73.2	62.1	53.4	52.1	55.4	78.4	81.1	81.4	76.3	79.3	9.7	8.8	9.9	77.6	80.8	81.0
70.6	71.3	71.5	71.6	72.9	77.3	78.7	77.8	79.6	77.3	69.9	69.4	67.3	71.0	74.4	75.7
68.2	68.3	68.3	68.8	69.0	75.3	81.9	77.9	80.5	76.6	70.0	70.3	64.9	69.6	71.9	72.5
72.9	74.4	75.0	73.4	76.0	80.4	76.7	78.4	79.5	78.9	70.7	69.2	71.4	71.9	77.3	79.7
71.9	72.7	71.8	77.2	78.0	73.1	72.1	74.4	75.3	73.3	65.5	65.2	61.7	73.6	73.9	74.1
72.1	73.5	73.1	72.9	73.2	73.4	72.0	74.1	72.9	71.5	66.5	64.7	66.2	69.5	73.3	73.7
70.1	70.9	69.6	70.5	70.4	68.5	68.5	69.9	69.6	70.7	64.7	63.8	67.3	68.6	73.6	72.6
74.5	76.6	77.2	77.0	77.0	79.7	75.1	78.1	76.8	75.5	73.7	70.8	68.4	71.9	70.7	73.7
71.1	71.3	70.8	69.5	70.0	72.5	73.6	77.1	73.8	68.9	65.6	62.4	65.9	67.2	75.1	74.1
73.3	75.9	76.0	74.8	75.8	74.7	73.2	74.2	72.9	69.8	59.9	59.5	61.5	70.0	74.8	75.7
72.5	74.9	77.2	72.1	74.3	79.9	79.8	79.0	78.3	79.6	75.0	74.2	69.4	67.6	69.6	73.6
66.6	69.2	73.4	62.6	69.0	78.8	79.2	78.0	78.0	79.1	74.7	74.3	64.5	53.8	57.3	64.6
76.2	79.8	80.8	80.3	77.4	82.9	82.5	80.0	78.2	82.2	76.1	76.6	75.9	82.3	81.6	83.4
77.1	77.6	76.0	72.0	77.5	72.1	74.1	72.4	75.0	69.8	68.9	72.3	74.3	76.7	69.8	72.4
79.4	80.1	80.6	80.6	81.2	78.7	77.6	80.2	79.2	77.4	74.4	70.7	70.6	75.6	78.8	79.1
70.0	73.4	72.1	71.4	73.7	73.5	71.0	75.2	74.7	69.3	57.6	60.1	64.2	70.5	72.8	72.1
69.5	69.1	69.8	68.7	70.7	70.0	70.2	73.9	74.0	68.7	54.8	58.8	63.5	68.5	70.8	70.0
67.3	72.4	71.5	70.3	74.7	73.7	68.9	73.9	73.7	67.9	54.6	57.2	62.6	74.1	74.8	73.3
72.5	77.3	74.2	74.1	75.1	76.1	73.3	77.2	76.0	71.0	62.1	63.4	66.0	69.3	72.6	72.6
73.6	75.1	75.4	74.6	76.0	75.2	75.6	78.0	77.4	76.6	77.3	71.4	72.9	79.1	78.9	78.4
73.4	75.1	75.1	74.3	75.9	75.1	75.5	77.7	77.2	76.7	79.3	73.3	72.7	79.4	78.6	77.5
75.5	76.8	75.1	74.2	74.2	75.4	75.5	79.0	79.0	78.1	73.0	68.3	73.6	78.6	81.3	83.2
72.5	73.1	78.9	77.9	79.8	76.7	76.2	79.5	76.8	73.8	63.6	57.7	74.0	77.0	78.8	80.3
72.2	73.8	74.2	72.7	73.5	76.8	73.3	79.2	76.5	76.8	50.0	47.0	60.4	73.2	79.0	74.9
71.9	73.0	72.8	72.1	73.7	77.5	74.4	81.6	77.2	78.9	38.6	37.0	54.7	73.8	82.8	75.6
66.9	72.8	77.6	72.0	70.6	73.6	68.4	76.6	76.5	74.5	68.4	62.1	71.8	74.4	71.7	74.2
78.2	78.2	75.2	75.0	76.5	76.1	73.9	75.1	74.6	72.1	68.8	68.3	67.4	68.6	72.4	73.4
78.2	76.4	74.9	75.9	75.3	80.2	75.6	72.3	74.0	72.7	67.7	59.7	67.4	72.1	76.2	73.2
72.4	74.4	75.1	72.8	74.5	76.5	75.8	77.7	76.9	76.1	70.0	67.6	68.5	72.7	74.5	75.2

1c Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Bulanan

Manufacturing Industry Capacity Utilisation by Sub-sector – Monthly

Keterangan Subsektor Sub-sector Description	2021	2022							
	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	72.8	88.3	83.3	84.3	77.9	84.9	83.8	79.8	74.8
10 Pembuatan produk makanan <i>Manufacture of food products</i>	71.0	76.9	69.9	75.8	67.2	77.5	78.6	79.0	80.0
11 Pembuatan minuman <i>Manufacture of beverages</i>	73.8	87.9	80.5	81.1	81.1	80.8	79.5	82.6	82.4
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	72.0	97.9	99.1	97.7	79.1	99.3	96.8	74.3	54.6
2 Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	76.0	81.7	78.6	82.4	82.0	81.0	81.2	82.7	80.8
13 Pembuatan tekstil <i>Manufacture of textiles</i>	72.8	88.1	84.8	86.8	84.5	80.7	83.8	85.8	86.1
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	80.5	73.1	70.8	76.0	78.5	80.8	75.8	77.5	72.0
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	72.1	90.0	83.9	89.2	85.0	82.9	92.7	90.7	94.3
3 Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	73.1	78.0	76.2	80.6	79.0	76.7	80.1	78.4	79.7
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>	69.0	71.8	70.7	75.3	73.8	72.2	74.4	71.8	75.2
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	75.5	83.6	80.0	84.5	80.3	76.8	80.9	79.5	78.1
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	74.4	75.9	77.3	80.9	81.8	80.7	85.9	83.3	85.2
31 Pembuatan perabot <i>Manufacture of furniture</i>	76.7	83.9	80.4	85.2	84.7	81.9	85.0	85.1	85.8
4 Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	74.0	83.4	84.0	80.3	83.9	75.9	73.4	80.0	80.9
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	67.7	85.7	90.8	76.8	86.4	71.6	66.2	79.8	80.1
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	80.8	81.1	77.7	84.3	82.1	79.7	78.5	80.8	82.5
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceuticals, medicinal chemical and botanical products</i>	71.3	78.6	71.1	80.4	78.5	76.3	84.6	86.7	88.2
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	78.4	82.0	79.2	82.1	81.4	79.5	80.8	79.0	80.0
5 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	72.0	81.3	76.4	80.4	80.4	76.4	79.5	80.8	79.9
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	71.9	82.3	76.6	77.7	81.2	79.1	81.4	82.7	82.0
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	70.2	80.2	74.1	80.2	77.8	74.2	77.2	79.9	79.1
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	73.5	81.4	78.1	82.6	81.8	76.1	79.9	80.2	78.9
6 Produk elektrik dan elektronik <i>Electrical and electronic products</i>	79.9	80.6	78.5	83.1	78.3	77.7	82.8	82.2	81.4
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	80.1	79.9	78.5	82.8	77.1	77.4	82.8	81.4	80.3
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	80.5	83.3	78.1	85.2	81.5	78.1	82.7	85.8	86.2
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	77.0	82.7	79.0	83.4	84.5	79.4	83.1	84.5	84.6
7 Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	74.2	77.9	81.5	83.6	77.3	82.1	82.5	81.3	86.2
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	75.3	77.7	85.2	85.0	80.3	82.2	82.5	81.2	87.4
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	71.3	77.0	75.0	82.3	79.7	82.0	84.3	84.9	88.9
32 Pembuatan lain <i>Other manufacturing</i>	72.7	78.9	72.6	76.2	70.1	79.1	78.4	77.7	78.4
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	74.9	81.6	80.9	84.4	59.4	84.6	84.3	78.3	81.4
Malaysia	75.7	81.3	80.2	81.7	80.4	77.4	79.1	80.9	81.2

2023															
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
79.1	79.0	73.0	86.4	78.7	77.8	79.3	74.2	78.5	76.8	78.5	79.6	82.2	81.1	80.6	79.6
77.7	78.7	78.5	76.9	77.6	76.9	78.2	72.5	77.1	76.2	78.2	79.4	81.8	80.5	79.8	78.6
80.4	79.9	78.8	83.5	79.0	77.3	77.3	78.3	82.9	80.0	80.1	80.2	80.5	80.6	82.1	82.8
77.6	77.5	56.5	99.6	92.7	91.5	96.8	93.4	92.8	82.3	82.0	81.7	89.4	89.7	90.1	89.7
83.7	78.9	78.9	80.2	76.9	75.4	81.8	79.0	79.9	81.4	79.0	79.7	80.3	80.7	81.0	79.8
91.4	85.4	84.7	83.6	69.9	75.7	79.0	76.8	78.1	80.2	76.6	77.0	76.9	77.1	77.3	77.1
73.2	68.8	69.5	73.6	78.6	73.7	83.1	81.6	81.4	82.2	81.1	82.4	83.1	84.0	84.4	81.5
92.3	92.1	92.9	93.3	91.0	83.1	84.2	75.7	80.4	83.6	79.1	79.2	81.9	80.7	81.1	84.6
78.6	78.1	76.1	75.8	73.9	75.3	76.5	75.8	76.7	76.1	76.0	77.5	77.9	79.4	80.1	80.4
73.4	72.6	70.0	69.7	67.9	68.3	68.9	67.7	70.4	68.9	69.9	72.8	72.8	72.4	72.5	72.2
77.6	77.9	75.4	76.5	74.6	77.3	79.9	76.6	75.6	77.6	77.0	77.4	78.6	78.5	79.4	79.0
85.0	82.2	83.5	82.6	81.3	82.6	80.6	82.7	83.8	83.2	82.9	83.4	83.9	83.5	84.5	86.3
84.5	85.7	82.8	80.6	78.4	79.7	82.7	79.8	80.2	78.0	77.2	78.5	78.6	86.1	87.5	88.2
81.1	82.6	82.6	81.3	82.3	79.6	80.7	75.7	77.6	78.0	77.8	78.4	77.2	78.6	77.5	77.7
85.0	84.7	86.4	85.9	85.9	79.4	81.4	72.8	73.5	74.0	74.4	74.6	73.5	77.1	75.9	75.3
76.4	81.2	80.0	77.4	79.7	80.4	79.9	79.3	82.0	82.4	82.3	83.1	81.1	80.8	79.2	80.1
84.2	82.2	79.2	69.5	79.6	85.8	83.1	82.2	84.2	81.6	81.2	83.5	85.1	82.6	82.5	84.5
79.4	80.0	78.1	77.4	78.4	78.3	80.0	76.3	79.4	79.7	78.4	79.1	78.7	78.4	78.2	78.9
78.9	79.3	79.1	77.8	76.1	79.2	81.5	78.7	79.6	80.3	80.0	81.9	82.6	82.9	83.5	83.2
80.7	80.0	78.7	78.7	73.3	78.4	80.4	80.4	79.5	81.7	81.4	83.8	84.8	85.1	85.9	86.0
76.7	75.8	77.2	74.0	73.9	78.7	82.5	78.5	77.9	77.3	76.9	79.6	80.5	80.1	81.3	79.6
79.4	81.5	81.0	80.2	80.0	80.2	81.6	77.4	80.7	81.1	80.9	81.9	82.3	82.9	83.0	83.4
83.1	78.1	79.0	81.9	78.0	78.5	80.0	77.6	80.3	81.0	78.6	79.7	81.4	80.5	80.4	77.6
83.3	77.7	78.5	81.5	77.9	78.2	79.3	77.0	79.6	80.8	77.9	78.3	80.7	79.7	79.5	76.4
83.5	81.4	81.7	85.6	79.3	81.1	82.4	74.9	78.9	80.1	79.2	82.5	82.9	82.6	82.4	78.0
80.4	77.6	80.4	81.4	77.6	78.6	83.5	84.0	85.9	83.6	82.7	86.1	84.4	83.4	84.9	84.6
85.1	81.7	84.1	75.7	82.3	83.6	86.1	76.5	84.0	81.5	80.8	81.7	81.6	82.1	82.7	81.9
90.4	83.7	87.7	72.6	83.4	85.9	89.0	74.8	88.6	82.9	81.2	82.7	81.0	81.3	81.6	81.1
73.2	79.8	77.0	91.6	79.6	79.9	80.3	80.2	76.6	79.6	77.8	79.4	82.2	82.1	83.4	83.4
77.6	76.9	77.2	79.4	80.2	78.8	82.7	76.7	81.5	79.1	81.2	81.1	82.3	82.7	83.0	82.4
81.0	76.1	82.6	68.3	82.5	81.9	83.9	78.0	77.9	80.8	82.9	81.7	82.7	85.1	85.8	82.4
81.7	80.1	80.4	80.2	79.3	79.2	80.8	76.5	79.2	79.2	78.6	79.6	80.1	80.4	80.1	79.2

1c Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Bulanan

Manufacturing Industry Capacity Utilisation by Sub-sector – Monthly

Keterangan Subsektor Sub-sector Description	2024								
	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	79.1	77.0	78.6	78.5	81.8	81.2	82.1	82.4	82.7
10 Pembuatan produk makanan <i>Manufacture of food products</i>	77.9	75.5	77.0	76.9	80.6	80.6	81.9	82.2	82.3
11 Pembuatan minuman <i>Manufacture of beverages</i>	81.5	80.0	81.9	82.6	83.0	80.0	79.9	80.6	81.3
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	93.0	94.4	96.9	95.5	96.5	92.0	88.3	87.3	89.6
2 Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	79.3	77.1	83.9	81.5	83.2	83.6	82.4	82.9	83.7
13 Pembuatan tekstil <i>Manufacture of textiles</i>	77.2	80.1	82.1	80.0	84.2	85.3	82.5	83.2	84.1
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	78.7	72.9	84.6	82.3	81.8	82.0	82.4	82.6	83.2
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	91.2	83.7	88.2	84.4	85.0	83.9	81.9	82.9	84.5
3 Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	79.9	79.1	80.3	78.9	80.4	80.6	80.4	80.3	80.5
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>	71.2	71.9	73.9	70.7	76.6	77.1	77.4	76.0	76.3
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	78.9	78.1	77.3	77.3	75.9	78.0	78.2	78.4	78.5
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	84.1	83.8	84.3	85.6	85.2	84.3	84.9	85.1	85.6
31 Pembuatan perabot <i>Manufacture of furniture</i>	89.0	86.2	88.9	86.3	86.4	84.8	82.8	84.2	83.9
4 Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	82.6	81.3	82.8	80.3	81.7	83.6	82.5	82.5	81.3
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	84.4	84.0	84.3	80.2	81.4	83.1	80.2	79.9	79.8
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	80.2	77.9	81.8	80.7	82.4	84.6	84.5	85.5	83.3
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceuticals, medicinal chemical and botanical products</i>	83.6	86.1	86.1	84.8	84.7	87.2	87.9	85.3	85.5
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	82.2	79.8	81.0	79.7	81.1	83.1	83.7	83.5	81.1
5 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	83.3	82.1	83.3	82.0	81.9	83.2	82.8	83.9	84.1
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	86.3	84.9	85.4	84.2	82.6	83.9	85.4	85.8	86.0
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	78.6	79.4	79.4	79.2	78.7	78.4	78.6	80.0	80.6
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	83.9	81.7	84.1	82.0	83.3	85.7	83.5	84.8	84.9
6 Produk elektrik dan elektronik <i>Electrical and electronic products</i>	77.4	77.3	80.6	78.5	83.4	84.2	81.4	82.6	82.6
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	76.2	76.1	79.5	76.7	82.8	83.6	80.2	81.8	82.0
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	79.9	79.5	83.1	81.4	82.8	83.1	82.5	82.7	83.0
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	82.6	82.9	85.6	87.5	88.5	89.5	88.2	88.4	86.4
7 Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	86.6	84.4	84.2	86.5	88.1	83.4	84.5	85.7	82.1
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	88.5	85.9	83.9	89.5	92.0	83.4	85.4	87.5	80.8
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	84.9	82.8	84.4	82.8	83.8	83.7	82.8	83.7	84.5
32 Pembuatan lain <i>Other manufacturing</i>	83.0	80.3	82.9	81.3	83.0	81.7	82.1	81.3	82.4
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	84.1	84.0	86.4	83.9	82.2	84.6	85.2	84.8	84.5
Malaysia	80.9	79.8	81.7	80.3	82.7	83.2	82.2	82.8	82.3

2a Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Tahunan
Manufacturing Industry Capacity Utilisation by Group– Yearly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017	2018	2019	2020	2021	2022	2023
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	68.8	68.1	73.0	85.3	80.2	80.9	88.8
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	70.2	73.4	72.2	70.8	70.4	74.9	77.9
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	59.4	64.0	65.4	64.3	64.2	78.9	80.0
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	76.0	78.7	71.3	71.1	74.9	67.4	72.3
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	77.1	75.8	66.1	73.0	69.0	76.6	79.2
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	66.2	60.5	67.8	60.0	59.6	70.0	74.6
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	78.8	78.5	78.9	79.0	80.0	83.9	84.0
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	78.0	73.2	72.6	73.2	70.8	79.9	81.8
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	67.3	71.9	71.4	65.3	67.3	81.5	80.1
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	73.0	65.3	76.9	59.7	61.4	84.2	89.3
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	67.8	65.5	65.6	62.5	73.7	86.5	71.2
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	79.8	77.7	78.0	73.8	73.7	82.8	86.9
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	85.1	87.2	87.0	71.5	76.3	74.0	81.3
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	68.6	86.0	81.1	57.9	60.8	72.6	78.8
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	83.6	85.3	78.5	64.1	67.6	89.7	83.1
152	Pembuatan kasut <i>Manufacture of footwear</i>	78.7	77.1	79.9	77.4	75.4	90.2	81.0
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planing of wood</i>	75.3	73.5	75.3	68.8	68.1	77.3	76.1
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	75.0	76.0	73.4	67.1	69.2	71.0	68.5
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	78.2	81.0	79.1	73.9	74.2	79.3	77.6
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	77.1	76.7	73.5	66.6	69.4	76.5	82.7
192	Pembuatan produk produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	86.9	84.4	80.3	63.0	70.8	81.6	76.5
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	79.5	84.1	82.5	76.6	81.6	80.2	81.4
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	79.0	76.2	76.6	65.4	70.9	73.7	76.7
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	72.4	74.6	73.3	73.7	72.4	80.0	83.0
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	82.3	80.1	80.3	81.9	79.1	79.4	77.5
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	77.7	77.6	76.5	74.4	74.1	80.5	79.8

2a Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Tahunan

Manufacturing Industry Capacity Utilisation by Group– Yearly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017	2018	2019	2020	2021	2022	2023
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	81.4	79.0	74.8	70.1	73.9	85.1	75.4
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	71.1	71.8	71.7	63.2	67.1	79.3	82.7
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	76.7	78.1	75.0	65.1	64.4	76.8	80.0
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	80.6	75.9	76.9	73.0	76.9	77.9	77.5
243	Pengacuan logam <i>Casting of metals</i>	73.0	74.0	75.6	68.4	65.1	76.8	75.5
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	77.1	77.7	77.2	69.5	76.5	78.0	86.9
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	73.5	77.8	76.5	70.7	70.0	78.2	79.1
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	85.6	84.3	81.6	75.5	81.2	85.0	81.0
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	67.4	68.5	63.4	59.5	63.6	70.4	61.9
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	71.0	77.9	74.4	74.3	78.2	77.6	81.8
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	79.9	73.3	77.6	62.4	75.5	71.3	81.2
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	69.9	69.8	68.7	63.4	67.7	81.4	79.5
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	84.4	54.7	60.6	68.5	68.2	81.7	89.6
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	86.4	77.0	65.6	70.0	68.6	84.3	85.0
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	77.0	77.2	78.9	74.7	77.6	82.9	81.1
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	93.3	85.0	84.1	64.4	82.5	81.0	77.7
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	78.9	76.1	75.9	68.7	72.9	80.2	82.7
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	66.6	68.5	67.2	62.5	67.0	77.1	83.4
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	81.5	87.0	84.5	69.0	75.4	84.4	83.1
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	87.0	87.6	86.3	84.7	88.0	88.5	72.0
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	76.2	76.5	75.6	71.9	74.1	81.9	83.1
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	67.1	77.9	78.2	62.2	62.8	80.1	84.8
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	77.1	75.4	77.4	70.4	64.3	76.9	72.7
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	75.2	78.1	80.0	68.4	77.4	87.6	81.0
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	76.6	70.7	75.0	63.3	68.7	74.9	70.0
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. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	77.9	76.6	81.1	78.1	72.2	84.5	87.5

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017	2018	2019	2020	2021	2022	2023
310	Pembuatan perabot <i>Manufacture of furniture</i>	81.4	80.0	79.9	68.8	70.2	83.8	81.2
321	Pembuatan barang kemas, bijouterie dan artikel <i>Manufacture of jewellery, bijouterie and related articles</i>	76.1	75.5	76.6	67.9	68.2	79.7	85.8
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>	73.3	68.6	72.0	74.0	75.1	83.2	81.3
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	75.3	74.0	73.5	71.5	74.8	89.8	91.6
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	64.4	69.9	72.9	74.2	57.5	75.5	76.4
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>	81.3	76.6	70.4	70.5	70.8	78.9	82.4
Malaysia		79.2	79.1	77.8	69.8	73.9	80.4	79.4

2b Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Group – Quarterly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017				2018			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	74.5	63.2	66.8	70.9	72.6	66.5	66.7	66.7
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	67.9	69.4	71.8	71.7	75.0	74.0	72.0	72.6
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	56.9	65.0	59.9	56.0	63.4	63.1	65.7	63.7
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	68.2	79.1	78.0	78.9	76.8	75.6	78.6	83.9
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	74.9	71.6	80.9	81.3	80.8	74.8	74.0	73.5
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	67.1	64.7	66.5	66.4	61.0	61.3	60.5	59.3
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	79.7	81.0	77.1	77.5	78.0	78.7	76.4	81.0
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	73.8	79.4	81.4	77.3	72.7	73.2	74.7	72.4
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	64.6	69.2	72.6	62.7	63.9	73.0	77.0	73.5
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	80.0	78.5	77.2	56.2	62.4	66.3	66.6	66.0
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	71.6	59.4	70.8	69.3	58.1	74.1	64.6	65.1
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	79.7	80.4	79.4	79.8	78.6	79.2	77.1	75.8
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	84.0	82.0	86.2	88.4	87.2	87.3	87.2	87.3
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	60.6	72.3	71.1	70.4	86.5	85.8	85.9	85.9
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	84.9	81.7	83.3	84.4	83.4	88.9	88.1	80.8
152	Pembuatan kasut <i>Manufacture of footwear</i>	82.6	81.0	76.4	74.7	76.8	77.1	77.0	77.4
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planing of wood</i>	74.9	74.4	76.4	75.4	72.3	72.2	75.0	74.6
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	75.2	73.8	73.9	77.1	75.2	75.6	76.5	76.8
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	77.7	78.1	78.1	78.8	81.2	80.7	81.2	80.7
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	75.8	78.1	78.1	76.2	76.0	78.1	77.9	75.0
192	Pembuatan produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	88.6	82.8	87.8	88.4	85.8	85.9	81.8	83.9
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	78.6	78.3	80.4	80.6	85.4	82.2	84.0	84.6
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	74.3	79.9	80.9	80.8	81.1	78.1	74.0	71.8
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	69.3	71.2	72.5	76.5	74.8	72.9	76.0	74.6
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	82.4	81.6	82.3	83.1	81.2	79.4	80.0	79.9
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	76.4	76.9	79.4	78.0	77.8	77.5	78.5	76.6

2019				2020				2021				2022	
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
72.1	71.5	73.2	75.2	86.5	84.3	86.3	84.1	85.5	79.7	75.4	80.2	79.0	80.7
72.0	73.1	71.8	72.1	69.3	71.5	71.0	71.3	70.1	71.3	69.8	70.2	73.3	72.3
67.7	63.3	63.0	67.7	62.8	60.9	66.0	67.3	67.7	63.4	60.1	65.6	78.8	80.0
72.9	73.8	71.6	66.8	71.7	78.7	71.5	62.4	73.4	76.6	80.7	68.8	64.7	65.8
63.4	64.6	67.1	69.5	73.5	71.9	73.8	72.9	74.1	71.4	64.6	65.7	81.8	77.9
67.7	67.7	68.4	67.2	64.9	57.5	59.6	57.9	59.1	58.7	61.8	58.9	66.3	64.5
80.4	80.2	78.7	76.4	75.5	76.4	81.1	83.1	80.7	80.7	80.5	78.2	81.7	81.6
68.6	73.2	73.2	75.6	74.1	72.4	73.8	72.5	68.5	72.1	72.4	70.2	74.9	79.1
67.6	70.1	71.6	76.4	68.0	54.5	67.5	71.2	66.9	62.7	64.1	75.5	83.2	80.5
78.1	77.4	77.2	74.8	66.8	47.9	70.4	53.6	80.3	55.1	32.1	77.9	98.2	91.7
65.7	64.9	65.6	66.0	69.9	48.3	65.3	66.5	81.0	77.0	67.2	69.5	88.3	81.4
78.5	78.0	77.8	77.7	76.3	68.9	75.8	74.0	71.8	72.5	70.9	79.5	82.3	87.0
85.1	86.8	87.6	88.2	76.4	61.4	72.8	75.6	78.7	76.5	70.9	79.2	73.2	78.4
74.3	88.4	83.3	78.6	62.0	48.8	57.5	63.2	61.4	61.9	56.2	63.9	66.6	75.1
74.9	78.0	79.6	81.4	63.8	54.5	67.4	70.5	66.5	61.2	66.4	76.2	87.9	82.7
76.7	80.3	79.9	82.6	81.9	69.0	78.0	80.6	80.8	83.3	67.5	70.2	87.5	90.9
74.2	76.3	75.4	75.2	69.1	65.1	70.7	70.1	69.8	66.0	66.9	69.8	74.2	78.8
75.0	73.8	72.5	72.3	66.7	61.5	70.2	70.1	68.7	69.1	66.4	72.4	72.1	71.7
78.2	79.1	78.7	80.2	74.4	68.4	75.7	77.1	77.6	75.3	70.4	73.3	82.7	79.3
72.8	74.3	74.1	73.0	67.2	50.1	78.8	70.1	71.2	68.7	66.5	71.1	72.2	77.4
74.4	79.8	83.5	83.7	65.7	50.9	67.0	68.3	78.7	77.3	64.2	63.2	84.4	74.7
81.1	83.8	81.7	83.3	76.1	72.3	77.9	80.0	83.1	79.9	80.0	83.3	81.0	80.0
77.8	78.5	75.8	74.4	70.8	50.9	69.6	70.2	71.7	71.0	68.9	72.0	78.2	74.7
72.9	75.0	74.5	70.6	73.0	70.5	76.0	75.1	72.9	71.2	74.4	71.2	76.7	79.8
79.5	79.9	80.5	81.1	80.9	80.0	82.9	83.9	81.3	80.5	73.6	81.1	82.1	81.4
75.4	77.1	76.2	77.4	74.0	69.7	76.5	77.5	76.2	73.2	70.9	76.3	80.0	79.7

2b Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Group – Quarterly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2022		2023		2024				
		Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	82.7	81.3	85.8	87.8	91.9	89.7	89.3	92.6	93.1
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	77.1	77.0	75.2	77.7	79.9	78.6	79.3	82.5	86.4
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	77.7	78.9	79.5	78.4	79.8	82.4	85.6	82.9	86.0
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	69.1	70.3	65.9	70.1	76.6	76.4	70.5	75.4	79.4
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	74.8	72.1	76.0	77.4	82.2	81.4	78.2	80.2	82.2
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	73.4	76.0	75.3	70.2	75.0	77.8	80.3	78.5	80.1
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	87.6	84.6	87.9	81.3	83.3	83.6	85.4	83.6	84.8
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	83.5	82.4	79.9	82.2	82.9	82.2	78.5	82.8	83.5
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	81.8	80.7	77.9	80.4	80.2	81.8	81.1	81.9	80.6
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	68.8	77.8	93.6	89.5	84.4	89.8	94.8	94.7	88.4
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	89.3	87.2	63.4	74.9	73.1	73.5	76.9	80.7	81.0
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	84.0	77.9	87.5	87.2	86.4	86.6	86.9	89.2	88.8
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	74.2	70.4	77.9	81.8	82.3	83.4	78.7	82.0	82.6
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	74.6	74.1	77.8	77.8	78.2	81.4	81.2	82.4	86.3
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	93.6	94.6	95.0	80.6	78.8	78.0	88.8	87.9	90.0
152	Pembuatan kasut <i>Manufacture of footwear</i>	91.4	91.0	78.9	79.5	80.9	84.8	87.1	82.7	79.6
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planing of wood</i>	78.9	77.4	75.1	78.2	76.0	75.1	78.1	78.4	77.8
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	71.7	68.5	66.1	66.0	70.5	71.5	70.5	73.6	76.1
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	78.4	76.6	77.3	76.6	77.7	78.9	78.1	77.1	78.4
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	77.1	79.4	79.4	83.2	83.4	84.8	84.1	85.0	85.2
192	Pembuatan produk produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	81.6	85.7	82.2	73.4	74.2	76.1	84.2	81.6	80.0
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	79.4	80.3	80.4	82.5	82.9	80.0	79.4	82.4	84.1
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	72.4	69.5	70.2	77.0	79.7	80.0	82.1	83.1	85.6
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	86.4	77.0	82.8	82.7	83.3	83.2	85.2	85.6	86.2
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	77.6	76.5	77.5	78.2	77.9	76.6	82.5	81.9	83.3
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	81.4	80.7	80.4	78.6	79.6	80.4	79.6	80.7	82.3

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017				2018			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	81.4	80.8	81.6	81.6	80.9	79.2	77.3	78.7
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	72.4	70.3	69.8	71.9	71.6	71.4	73.3	71.1
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	77.2	71.3	79.2	78.8	79.9	78.0	79.2	75.2
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	81.1	81.7	79.6	80.1	74.3	74.8	75.0	79.7
243	Pengacuan logam <i>Casting of metals</i>	72.5	74.1	72.3	73.2	70.0	72.7	76.7	76.7
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	75.9	77.1	77.5	78.1	78.3	78.3	76.8	77.2
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	74.0	72.8	72.4	74.8	77.3	76.8	78.2	78.9
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	85.4	84.4	86.2	86.5	85.2	84.9	84.5	82.6
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	64.7	65.0	69.3	70.7	70.0	71.3	68.0	64.7
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	78.9	59.6	69.6	76.0	79.2	77.9	79.3	75.5
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	74.0	81.3	88.2	76.2	69.5	70.2	83.0	70.4
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	67.9	67.6	75.0	68.9	70.8	65.4	74.7	68.4
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	80.3	76.7	86.7	94.1	58.8	55.7	51.2	52.9
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	85.2	88.2	83.5	88.6	89.1	81.0	73.3	64.7
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	78.3	76.9	76.3	76.6	77.3	77.2	78.4	75.8
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	90.7	94.5	94.7	93.1	83.5	84.0	82.8	89.5
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	82.5	78.8	78.1	76.0	78.1	76.8	74.7	74.8
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	64.3	62.5	70.5	69.1	68.6	72.3	68.7	64.3
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	70.6	79.7	88.8	86.7	87.7	92.8	82.9	84.6
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	85.9	85.5	88.7	87.9	87.5	87.0	87.8	88.0
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	77.9	76.5	74.9	75.6	78.9	76.4	75.9	74.6
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	66.7	68.9	63.9	69.0	76.5	82.3	73.3	79.3
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	75.7	77.3	77.5	78.2	76.8	76.1	75.8	72.8
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	74.7	73.2	75.9	77.1	79.9	78.4	76.7	77.2
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	81.8	73.3	75.6	75.5	67.6	74.5	67.8	73.0
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. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	78.2	75.6	78.1	79.8	79.6	71.1	76.2	79.4

2b Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Group – Quarterly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2019				2020			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	77.7	75.2	73.2	73.1	73.1	66.2	71.2	69.7
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	70.9	71.1	71.8	72.9	63.1	51.3	68.7	69.7
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	71.3	74.9	78.0	75.9	66.9	56.3	67.6	69.7
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	76.3	76.7	76.8	77.8	72.5	67.2	75.5	76.7
243	Pengacuan logam <i>Casting of metals</i>	76.1	76.2	75.5	74.6	70.3	60.2	71.7	71.3
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	77.7	76.6	77.0	77.3	71.4	62.4	72.2	72.1
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	76.6	77.2	76.2	76.0	71.8	62.3	74.2	74.7
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	81.6	80.8	81.9	82.2	76.4	66.5	77.8	81.4
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	58.2	59.0	67.5	68.8	63.2	58.4	59.6	56.8
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	78.0	68.1	76.2	75.3	73.1	64.2	79.6	80.4
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	69.6	84.1	83.5	73.0	63.6	47.0	71.2	67.8
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	70.4	70.5	67.3	66.8	62.8	53.3	66.9	70.7
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	56.8	58.8	63.8	63.0	74.1	58.2	69.0	72.9
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	60.8	64.9	70.7	66.0	60.4	62.1	83.7	74.0
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	78.1	79.4	78.2	79.8	72.6	70.3	79.0	77.1
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	90.9	89.5	80.7	75.5	62.6	47.5	74.3	73.2
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	76.7	75.9	75.7	75.3	71.2	61.5	72.1	70.2
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	63.5	68.0	67.5	69.9	56.9	56.7	67.7	68.6
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	86.8	78.6	83.8	88.8	75.5	54.2	74.0	72.3
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	83.4	85.7	88.0	87.9	85.9	82.2	85.2	85.5
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	74.9	75.8	75.1	76.8	71.0	65.1	73.1	78.4
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	80.3	74.1	78.8	79.7	67.0	41.5	69.6	70.6
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	75.2	80.0	77.4	77.1	73.5	58.1	71.3	78.9
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	80.2	82.5	78.1	79.1	71.1	52.7	73.9	75.7
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	74.1	79.1	76.3	70.5	75.7	51.3	61.6	64.8
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. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	83.0	80.4	80.5	80.5	81.1	67.5	78.2	85.6

2021				2022				2023				2024		
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
71.0	73.0	72.7	79.0	85.7	87.1	87.5	80.1	60.8	74.2	81.4	85.1	87.5	83.3	83.9
71.4	64.9	62.4	69.8	77.9	79.6	81.0	79.0	79.8	81.5	83.6	85.7	85.2	83.6	86.0
69.2	59.5	61.4	67.5	76.2	75.3	77.9	77.9	79.1	79.4	80.1	81.4	80.1	80.2	81.2
78.3	76.3	70.9	82.1	81.5	78.1	80.0	72.1	76.9	75.3	77.9	79.8	77.6	76.9	77.8
65.9	61.2	60.3	72.9	78.6	78.9	76.8	72.9	80.4	75.2	73.5	72.9	76.6	73.7	74.9
	77.3	75.2	75.3	78.1	81.0	75.8	76.9	78.4	92.4	84.7	85.2	85.4	85.1	87.2
	76.0	69.3	63.7	71.1	79.7	77.4	77.0	78.9	78.1	76.8	79.6	81.7	82.1	81.6
82.0	81.3	79.0	82.6	86.3	82.6	86.7	84.4	82.1	82.4	81.0	78.5	77.0	81.9	79.0
63.1	67.3	62.9	61.3	69.4	69.7	76.3	66.0	60.8	56.6	59.3	70.9	76.2	75.8	81.0
80.8	79.7	76.7	75.5	78.4	77.9	75.6	78.8	80.5	80.6	84.5	81.5	77.5	84.0	85.5
66.8	76.3	74.7	84.1	70.3	74.6	69.7	70.8	78.8	83.8	82.4	80.0	75.1	82.3	84.2
69.9	69.6	65.0	66.0	75.7	80.5	85.7	83.6	78.2	75.5	80.6	83.6	80.9	75.5	89.3
66.2	66.7	67.0	72.9	81.3	81.6	80.7	83.3	86.3	91.3	90.4	90.2	92.7	82.2	88.3
	70.3	64.9	57.3	81.9	82.5	78.9	88.8	87.1	86.8	84.2	86.7	82.4	85.7	83.7
	76.2	76.5	73.6	84.2	82.2	80.9	84.5	84.1	84.3	79.4	80.2	80.5	79.7	79.1
77.9	87.6	81.6	82.7	76.9	88.0	81.3	77.9	67.0	80.4	81.7	81.6	82.9	74.6	71.8
72.1	71.3	70.4	77.6	80.3	81.4	81.3	77.9	83.2	81.4	82.7	83.4	82.8	80.6	83.2
68.9	61.8	63.2	74.0	77.6	74.0	79.0	77.8	76.7	82.1	86.1	88.7	87.6	84.7	82.1
76.9	74.8	68.4	81.6	83.4	73.4	90.7	90.0	85.6	79.0	90.6	77.3	79.2	91.2	90.5
89.1	88.9	86.0	87.7	89.9	87.4	90.8	85.7	71.2	66.3	68.4	82.0	79.9	83.1	74.2
76.3	71.3	70.4	78.4	81.6	82.3	83.6	80.1	79.2	84.5	84.4	84.3	83.7	88.5	87.7
76.9	55.6	42.0	76.8	82.7	77.4	84.6	75.9	87.3	83.5	83.4	85.0	91.5	89.9	86.9
59.7	60.2	63.7	73.6	61.7	83.8	79.3	82.8	67.5	67.5	81.0	74.9	67.8	79.7	71.5
80.1	77.3	72.7	79.7	83.8	87.9	89.4	89.3	85.5	81.4	79.6	77.5	81.0	87.0	82.7
62.8	68.3	74.9	68.8	75.8	75.6	74.3	73.8	68.3	69.1	65.3	77.1	78.2	76.5	77.2
84.1	78.6	55.5	70.5	81.2	84.6	86.0	86.3	87.1	85.6	90.0	87.1	88.1	86.1	88.1

2b Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Group – Quarterly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017				2018			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
310	Pembuatan perabot <i>Manufacture of furniture</i>	82.1	80.3	81.3	82.2	79.9	80.2	79.7	80.2
321	Pembuatan barang kemas, bijouterie dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	76.2	76.6	79.0	72.8	77.0	76.0	71.9	77.3
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>	74.0	73.5	73.3	72.3	67.3	67.7	69.2	70.1
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	70.8	76.8	78.0	75.6	72.8	74.9	73.1	75.2
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	69.6	66.3	61.6	60.3	58.9	68.3	74.5	78.0
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>	80.4	80.5	83.1	81.2	81.8	73.6	76.2	74.8
Malaysia		79.1	77.7	80.1	80.0	79.7	79.4	79.1	78.3

2019				2020				2021				2022	
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
80.1	78.3	79.6	81.6	75.9	51.2	72.8	75.5	74.0	67.6	63.7	75.7	83.1	83.9
73.5	78.1	75.3	79.6	66.6	54.0	74.5	76.4	72.0	71.9	61.3	67.6	76.6	77.5
71.1	73.0	74.6	69.4	74.7	65.2	79.8	76.1	76.5	72.4	72.8	78.6	83.7	84.1
74.7	73.8	72.5	72.9	71.2	63.5	75.3	75.8	76.7	76.0	70.7	75.7	91.9	94.9
69.8	75.8	79.3	66.8	71.3	69.0	85.0	71.5	64.3	49.1	49.7	67.0	75.7	76.6
68.9	69.3	71.1	72.4	70.5	66.1	73.3	72.3	73.7	70.1	66.9	72.5	83.1	80.3
76.1	77.7	78.8	78.7	71.2	60.8	73.0	74.1	76.7	74.3	69.6	75.1	81.1	79.0

2b Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Group – Quarterly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2022		2023			2024			
		Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
310	Pembuatan perabot Manufacture of furniture	85.1	83.0	80.3	79.3	78.1	87.3	88.0	85.8	83.6
321	Pembuatan barang kemas, bijouterie dan artikel berkaitan Manufacture of jewellery, bijouterie and related articles	81.8	83.1	86.3	86.5	83.3	87.0	88.3	85.6	83.8
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.	83.4	81.4	86.0	76.1	82.0	81.2	80.4	81.2	81.8
323	Pembuatan barangan sukan Manufacture of sports goods	88.0	84.6	98.5	87.9	90.7	89.4	87.4	91.7	94.4
324	Pembuatan permainan dan mainan Manufacture of games and toys	80.3	69.6	77.6	76.4	71.0	80.7	74.2	76.3	75.4
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment	79.2	73.0	83.7	78.9	82.4	84.5	84.8	83.6	84.8
Malaysia		81.3	80.2	79.8	78.3	79.4	79.9	80.8	82.1	82.4

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan
Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017									
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	78.7	79.8	65.1	65.2	64.9	59.4	62.1	69.8	68.6	
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	71.1	67.0	65.5	66.9	69.9	71.5	72.7	74.4	68.3	
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	54.4	57.0	59.2	60.9	69.2	65.0	65.2	57.4	56.9	
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	65.7	66.9	72.1	81.5	79.5	76.1	77.7	77.8	78.6	
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	75.2	74.8	74.6	71.1	73.1	70.5	80.5	81.6	80.4	
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	67.9	67.0	66.5	65.6	65.3	63.1	67.4	68.7	63.5	
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	79.7	80.6	78.8	82.1	81.6	79.2	76.5	76.7	78.2	
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	75.7	67.7	78.1	78.8	77.6	81.9	80.1	83.6	80.4	
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	69.6	61.4	62.7	64.1	74.8	68.6	76.0	72.5	69.2	
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	70.9	84.5	84.6	84.3	75.7	75.6	80.1	71.0	80.5	
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	67.7	71.4	75.7	62.9	59.9	55.3	59.2	73.4	79.8	
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	79.0	79.6	80.4	80.3	80.7	80.2	79.9	79.7	78.5	
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	85.6	80.7	85.7	85.5	84.6	75.9	85.9	86.3	86.3	
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	62.6	53.8	65.4	71.8	71.6	73.6	63.7	78.7	71.0	
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	84.5	82.6	87.6	85.1	81.0	79.0	82.6	86.7	80.6	
152	Pembuatan kasut <i>Manufacture of footwear</i>	83.4	82.0	82.4	80.6	80.7	81.7	77.4	76.8	75.1	
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planing of wood</i>	75.5	74.7	74.6	76.6	76.3	70.4	76.8	77.4	75.1	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	76.1	73.7	75.7	74.7	75.3	71.3	74.2	74.2	73.2	
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	77.6	77.1	78.3	79.1	80.3	74.9	80.1	77.0	77.2	
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	75.9	75.8	75.8	79.8	76.4	78.0	77.8	79.8	76.7	
192	Pembuatan produk produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	90.0	89.4	86.2	76.1	81.8	90.7	90.8	88.3	84.4	
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	79.9	77.8	78.0	76.1	75.5	83.2	79.6	79.1	82.7	
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	70.7	70.1	82.1	81.1	78.8	79.8	81.1	81.3	80.3	
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	72.9	64.3	70.6	74.2	69.0	70.4	72.0	73.4	72.2	
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	82.1	82.1	82.9	82.3	80.9	81.5	82.6	82.4	81.9	
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	75.7	75.9	77.5	76.6	76.6	77.3	78.9	80.2	79.2	

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017			2018					
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	68.2	73.2	71.3	81.0	67.9	68.8	66.5	66.6	66.2
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	72.0	72.1	70.9	75.6	73.1	76.2	74.8	74.6	72.7
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	55.5	56.2	56.2	68.6	61.5	60.1	60.9	64.4	64.2
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	81.8	75.3	79.4	80.6	69.5	80.3	81.0	76.0	69.7
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	80.1	80.3	83.3	78.8	82.3	81.5	80.6	79.5	64.2
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	67.3	66.3	65.5	62.6	59.5	60.9	61.6	61.3	60.9
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	80.3	76.8	75.4	77.3	74.1	82.5	82.5	76.0	77.7
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	77.0	76.9	78.0	72.6	69.8	75.6	74.8	73.7	71.1
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	60.9	65.1	62.2	68.0	56.0	67.8	76.1	75.2	67.7
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	53.6	53.0	62.1	56.1	67.2	63.8	65.6	66.4	66.7
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	72.8	63.9	71.2	64.7	54.6	55.2	65.1	65.8	91.3
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	80.0	79.4	80.0	79.1	77.7	78.8	79.7	78.2	79.9
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	87.6	88.0	89.5	87.4	85.4	88.7	87.9	88.2	85.8
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	73.7	65.9	71.7	87.7	85.0	86.8	84.7	86.6	86.1
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	85.8	84.4	83.1	82.8	80.7	86.7	87.3	86.5	92.8
152	Pembuatan kasut <i>Manufacture of footwear</i>	73.9	73.8	76.3	77.4	75.1	77.9	77.7	77.6	75.9
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planing of wood</i>	76.1	75.8	74.3	73.4	68.5	75.2	71.5	72.0	73.0
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	77.8	75.7	77.8	77.0	70.8	77.7	77.1	76.5	73.2
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	79.0	79.5	78.0	83.1	79.2	81.2	81.9	81.4	78.9
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	77.1	76.3	75.4	74.9	74.8	78.4	76.8	79.1	78.5
192	Pembuatan produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	87.2	89.5	88.5	88.6	84.1	84.8	86.2	85.2	86.4
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	82.7	78.5	80.5	85.3	86.4	84.4	81.5	85.0	80.2
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	81.6	80.9	80.1	75.2	80.6	87.4	73.0	81.3	80.0
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	76.0	79.9	73.7	75.6	73.8	75.0	72.2	71.8	74.6
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	83.5	82.9	82.8	82.3	79.8	81.7	79.9	79.6	78.6
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	78.5	78.3	77.3	78.2	77.1	78.1	78.9	77.6	76.0

2019															
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.
67.2	66.0	67.0	66.4	67.4	66.3	70.7	73.3	72.3	71.1	72.6	70.9	72.3	73.0	74.2	75.4
72.4	70.3	73.3	72.7	73.1	72.1	73.0	68.7	74.3	74.2	73.3	71.7	71.8	70.0	73.7	74.7
64.1	69.3	63.8	61.4	63.5	66.2	75.9	64.9	62.2	64.3	63.8	61.7	62.6	64.3	62.2	64.6
78.8	79.5	77.5	85.9	84.1	81.6	67.7	80.1	70.9	71.7	79.2	70.3	71.3	71.6	71.8	68.6
74.9	76.5	70.6	77.0	72.7	70.9	63.4	61.2	65.4	67.6	65.4	60.8	67.9	67.7	65.6	65.9
61.7	61.1	58.7	59.1	60.0	58.9	68.3	66.5	68.3	68.5	68.2	66.5	66.7	69.3	69.2	67.1
74.3	74.7	80.4	82.2	80.2	80.6	78.6	80.0	82.5	82.4	80.7	77.4	79.9	77.4	78.9	74.8
77.9	73.2	73.0	72.2	71.4	73.5	67.5	67.0	71.2	73.1	74.9	71.5	73.7	74.0	72.0	76.8
81.7	80.7	68.6	74.8	69.7	76.0	74.3	63.4	65.2	71.6	72.7	66.1	68.8	72.6	73.5	75.9
66.8	66.0	67.0	66.0	65.5	66.4	77.6	77.3	79.2	90.0	69.8	72.5	74.4	80.9	76.4	77.4
65.2	65.8	62.7	69.7	62.1	63.6	66.1	64.3	66.6	66.4	64.3	63.9	65.7	65.6	65.6	66.9
78.1	79.5	73.8	73.9	74.2	79.3	78.7	78.4	78.5	78.7	77.0	78.3	77.9	78.2	77.3	77.5
88.9	87.1	85.7	88.2	86.0	87.8	86.3	81.9	87.1	86.6	88.1	85.8	89.2	87.6	86.1	86.5
87.5	86.3	83.8	86.2	86.0	85.5	76.5	72.0	74.5	79.6	92.7	92.9	87.3	83.1	79.5	84.3
93.1	89.2	82.1	81.3	81.5	79.7	70.0	75.9	78.9	78.1	81.4	74.5	80.9	79.0	78.8	80.6
77.1	76.9	77.1	78.3	76.8	76.9	78.6	74.2	77.4	81.2	78.7	80.9	78.8	81.5	79.4	83.4
75.7	73.7	75.8	74.3	75.4	74.0	77.9	68.3	76.3	76.8	77.3	74.7	74.3	74.9	76.9	77.4
76.6	76.9	76.0	76.7	76.3	77.4	76.1	72.7	76.4	76.7	73.6	71.1	72.5	74.2	71.0	73.6
81.6	81.6	80.5	81.6	79.8	80.8	78.9	75.8	79.9	80.4	81.5	75.4	79.2	78.1	78.8	79.7
79.2	78.7	75.8	75.9	73.4	75.5	72.5	72.7	73.0	75.0	73.9	74.1	73.8	75.3	73.3	72.1
85.8	79.6	80.0	76.4	87.0	88.2	73.8	77.4	71.9	72.8	80.0	86.5	83.4	82.4	84.8	81.6
84.8	83.2	84.1	84.7	85.6	83.5	80.0	84.5	78.7	82.0	85.0	84.4	82.8	79.6	82.9	83.2
80.0	65.0	77.0	62.8	77.5	75.1	76.9	77.5	79.0	75.5	82.1	77.7	77.3	78.1	71.8	72.8
79.5	75.9	72.6	75.4	73.1	75.4	75.8	71.7	71.4	76.1	75.4	73.6	76.1	75.7	71.9	72.3
80.2	80.0	79.8	80.6	79.4	79.6	79.9	79.1	79.6	79.0	80.4	80.4	80.6	81.2	79.7	80.6
80.1	78.9	76.3	77.6	75.8	76.3	76.5	73.6	76.0	78.1	78.2	74.9	77.4	76.0	75.4	77.0

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2019		2020						
		Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	75.4	74.8	88.9	88.4	82.2	81.7	85.8	85.3	87.3
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	72.2	69.3	70.0	69.4	68.4	68.9	72.7	72.9	73.2
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	68.6	69.8	66.0	68.6	53.9	54.8	60.3	67.6	70.7
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	66.4	65.4	65.7	68.6	80.8	76.8	79.8	79.6	76.0
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	68.5	74.1	73.4	80.6	66.6	67.4	71.7	76.7	73.0
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	67.5	67.1	69.6	69.8	55.4	49.3	68.8	54.4	52.0
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	76.7	77.9	78.3	75.6	72.5	70.7	75.5	83.1	78.2
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	74.3	75.6	73.8	74.5	74.0	74.6	71.8	70.9	75.0
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	76.2	77.1	71.4	73.6	58.9	49.8	50.9	62.9	65.0
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	75.6	71.5	73.9	72.5	54.0	1.6	73.6	68.6	76.0
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	66.7	64.4	75.2	73.3	61.1	30.5	49.7	64.6	65.4
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	77.9	77.8	78.1	77.3	73.5	61.0	71.9	73.8	76.0
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	87.4	90.8	78.9	80.2	70.1	52.9	60.1	71.1	69.4
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	78.0	73.4	67.6	66.6	51.7	35.0	57.4	54.1	59.5
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	80.5	83.2	74.6	68.6	48.3	35.5	58.3	69.6	70.2
152	Pembuatan kasut <i>Manufacture of footwear</i>	80.8	83.7	83.2	85.0	77.6	52.9	78.5	75.6	77.4
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planing of wood</i>	77.1	71.2	73.9	74.6	58.9	56.7	66.5	72.2	68.4
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	71.4	71.9	69.8	70.5	59.9	54.4	60.0	70.1	70.6
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	81.2	79.7	78.5	78.6	66.1	61.8	68.1	75.2	75.9
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	73.5	73.3	71.8	71.7	58.2	29.7	42.5	78.2	85.1
192	Pembuatan produk produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	85.6	83.8	67.5	69.2	60.3	32.0	54.2	66.6	65.3
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	84.2	82.4	78.0	79.4	70.8	63.0	78.1	75.8	77.8
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	77.1	73.4	76.6	74.0	62.0	45.3	48.3	59.2	65.2
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	72.1	67.5	76.2	73.5	69.2	69.4	68.6	73.6	73.4
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	81.2	81.6	82.7	82.4	77.7	80.1	78.1	81.7	82.8
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	77.9	77.5	78.2	76.4	67.3	61.2	71.5	76.6	77.1

2021															
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
86.9	84.8	83.2	84.5	84.5	88.0	84.0	84.4	83.9	78.3	76.9	73.1	76.5	76.7	79.8	80.2
70.9	68.9	71.2	71.4	71.3	69.6	69.9	70.9	71.2	71.7	71.0	69.9	68.9	70.5	71.2	68.4
63.5	63.8	63.1	65.3	73.6	72.9	63.9	66.5	65.9	67.0	57.2	58.5	64.8	57.0	56.8	64.8
69.0	69.5	64.8	61.9	60.5	68.9	69.0	82.2	81.7	70.6	77.5	81.4	79.1	81.6	71.9	69.2
73.9	74.4	73.2	72.7	72.9	74.0	73.4	74.7	73.5	69.2	71.7	67.0	67.4	59.5	67.2	59.4
70.3	56.7	51.0	68.1	54.4	58.7	58.9	59.6	59.7	58.2	58.3	61.5	61.1	62.7	58.7	58.4
81.7	83.3	85.1	80.7	83.5	80.6	77.5	83.9	80.7	80.0	81.5	81.1	79.6	80.7	79.4	76.8
74.7	71.9	74.9	70.8	71.8	70.6	64.6	70.2	72.7	71.5	72.0	75.8	71.6	69.6	68.0	72.2
66.6	71.0	72.0	70.2	71.2	69.6	61.9	69.1	68.4	61.6	58.0	57.3	61.1	74.0	74.3	78.3
73.2	62.1	53.4	52.1	55.4	78.4	81.1	81.4	76.3	79.3	9.7	8.8	9.9	77.6	80.8	81.0
65.2	65.2	66.0	66.6	67.0	75.6	86.7	80.6	83.8	76.5	70.7	71.5	62.2	67.8	69.2	69.6
75.5	75.9	74.0	74.1	74.1	74.6	69.9	70.9	72.4	76.9	68.1	67.2	71.6	74.1	78.8	79.8
73.6	75.3	75.8	74.2	76.9	80.6	76.9	78.6	79.7	79.1	70.6	69.1	71.6	72.1	77.5	79.7
54.0	59.2	65.1	64.2	60.2	69.6	57.4	57.2	54.0	53.8	78.0	75.3	39.7	53.6	60.8	66.5
65.6	66.5	63.8	72.6	75.3	68.1	65.6	65.7	68.4	65.5	49.8	63.2	58.0	77.9	77.4	76.4
77.9	78.6	79.5	81.7	80.6	78.8	79.3	84.2	83.1	82.1	84.6	67.7	66.1	68.7	70.0	71.5
71.4	72.4	71.3	69.7	69.4	70.2	68.8	70.4	69.7	68.1	60.1	64.7	68.0	68.1	70.5	71.7
69.6	70.4	69.0	70.7	70.7	67.9	68.5	69.7	69.6	71.5	66.3	63.4	67.1	68.8	74.7	72.9
74.5	76.6	77.2	77.0	77.0	79.7	75.1	78.1	76.8	75.5	73.7	70.8	68.4	71.9	70.7	73.7
70.5	80.7	70.8	69.5	70.0	70.3	70.8	72.6	70.9	68.5	66.8	65.2	67.0	67.4	71.7	71.3
66.6	69.2	73.4	62.6	69.0	78.8	79.2	78.0	78.0	79.1	74.7	74.3	64.5	53.8	57.3	64.6
76.0	80.0	81.7	80.6	77.8	84.7	84.2	80.4	78.9	84.2	76.7	78.6	77.4	84.1	82.8	84.7
70.5	73.0	69.8	69.1	71.7	72.8	70.1	72.0	71.8	68.3	72.7	68.6	65.5	72.7	69.1	73.4
77.1	77.6	76.0	72.0	77.5	72.1	74.1	72.4	75.0	69.8	68.9	72.3	74.3	76.7	69.8	72.4
82.9	83.1	83.5	83.7	84.4	81.7	79.2	82.9	82.3	81.6	77.6	73.5	71.2	76.0	79.5	82.1
75.7	76.8	77.4	77.2	77.8	75.4	75.8	77.3	75.8	72.8	70.9	67.6	70.0	75.2	78.0	75.9

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2021	2022							
		Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	80.6	81.3	76.5	79.1	80.6	81.1	80.4	82.9	82.0
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	71.2	74.6	69.5	75.8	71.5	71.6	73.8	77.7	75.3
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	75.2	82.8	73.1	80.6	78.7	77.1	84.0	81.6	76.3
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	65.3	66.2	62.6	65.1	59.1	69.6	68.7	67.9	70.5
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	70.6	84.6	80.0	80.7	81.8	77.8	74.1	78.2	74.6
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	59.8	73.0	58.8	67.1	55.0	65.1	73.3	71.1	73.6
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	78.5	84.2	76.2	84.6	71.5	86.0	87.4	88.3	89.1
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	70.5	82.5	66.3	75.7	75.6	78.6	83.0	84.8	84.7
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	73.8	87.9	80.5	81.1	81.1	80.8	79.5	82.6	82.4
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	72.0	97.9	99.1	97.7	79.1	99.3	96.8	74.3	54.6
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	69.9	88.5	86.2	90.0	82.4	78.4	83.4	86.1	87.1
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	80.0	87.0	81.0	79.0	89.6	86.5	84.9	84.9	83.4
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	80.6	73.1	70.6	75.9	78.6	81.1	75.6	77.5	71.8
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	64.3	63.6	64.2	72.0	71.9	64.0	89.3	86.6	70.7
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	74.8	91.6	84.8	87.3	79.9	74.2	93.8	90.7	95.5
152	Pembuatan kasut <i>Manufacture of footwear</i>	69.1	88.5	82.9	90.9	89.8	91.3	91.6	90.7	93.2
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planing of wood</i>	67.2	72.3	70.6	79.7	78.6	76.4	81.2	78.6	79.4
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	69.6	71.6	70.8	73.8	72.2	70.8	72.1	69.6	73.8
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	75.5	83.6	80.0	84.5	80.3	76.8	80.9	79.5	78.1
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	70.4	73.0	73.2	70.5	75.9	75.9	80.5	76.7	77.6
192	Pembuatan produk produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	67.7	85.7	90.8	76.8	86.4	71.6	66.2	79.8	80.1
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	82.3	81.8	76.8	84.4	83.0	80.2	76.9	80.7	82.3
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	73.5	76.6	78.3	79.6	71.8	76.1	76.1	69.3	75.9
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	71.3	78.6	71.1	80.4	78.5	76.3	84.6	86.7	88.2
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	81.7	83.3	80.4	82.6	83.0	80.4	80.7	77.3	78.9
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	74.9	80.6	77.9	81.5	79.7	78.5	80.9	80.7	81.1

2023															
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
83.1	81.0	81.7	81.4	85.2	86.0	86.1	87.7	87.9	87.9	90.6	90.8	94.2	89.4	90.6	89.1
78.4	76.1	77.1	78.0	77.7	73.4	74.7	76.8	79.9	76.5	79.6	81.3	78.7	80.9	78.0	76.8
75.3	71.9	86.3	78.6	72.9	83.9	81.5	79.4	77.8	78.1	79.6	79.0	80.9	78.9	82.7	85.6
68.7	71.6	74.1	65.2	64.8	67.3	65.7	66.1	72.8	71.4	74.6	75.7	79.5	78.0	76.9	74.3
71.7	78.2	69.9	68.1	72.9	76.7	78.3	75.4	80.6	76.2	83.0	79.4	84.2	81.4	80.4	82.5
75.4	74.7	76.1	77.1	76.6	75.2	74.0	64.9	74.1	71.7	73.7	72.9	78.3	76.3	75.1	82.2
85.4	84.8	83.1	85.9	88.8	85.1	89.7	79.9	81.4	82.8	80.9	84.4	84.6	83.7	83.6	83.4
80.9	81.9	81.1	84.2	82.5	78.8	78.5	81.6	82.9	82.0	83.5	83.8	81.5	82.5	83.0	81.0
80.4	79.9	78.8	83.5	79.0	77.3	77.3	78.3	82.9	80.0	80.1	80.2	80.5	80.6	82.1	82.8
77.6	77.5	56.5	99.6	92.7	91.5	96.8	93.4	92.8	82.3	82.0	81.7	89.4	89.7	90.1	89.7
94.5	87.1	86.0	88.6	58.3	65.5	66.5	73.3	74.2	77.2	72.4	73.7	73.2	74.1	74.0	72.5
83.6	81.2	81.6	71.1	82.4	86.8	93.1	85.9	87.9	87.7	87.2	85.5	86.4	85.0	86.0	89.0
73.2	68.6	69.2	73.3	77.9	72.8	82.9	81.7	81.5	82.3	81.3	82.5	83.2	84.2	84.5	81.4
66.4	67.0	72.4	83.0	85.9	74.1	73.4	76.3	79.3	77.9	76.5	78.3	79.9	79.2	79.0	85.9
94.5	93.7	95.5	94.6	97.0	93.8	94.1	77.8	82.2	81.8	77.8	78.9	79.6	73.7	74.5	85.9
90.2	90.5	90.3	92.1	86.1	74.5	76.1	74.5	79.4	84.8	79.9	79.3	83.4	85.2	85.3	83.7
78.9	75.5	77.6	79.1	73.7	76.0	75.6	78.6	77.3	78.7	77.0	75.3	75.7	75.0	75.2	75.1
71.6	71.6	67.4	66.6	65.9	65.8	66.6	64.2	68.1	65.7	67.6	72.1	71.9	71.6	71.6	71.3
77.6	77.9	75.4	76.5	74.6	77.3	79.9	76.6	75.6	77.6	77.0	77.4	78.6	78.5	79.4	79.0
77.0	76.1	81.7	80.3	78.2	79.8	80.3	82.7	83.8	83.2	82.9	83.4	83.9	83.5	84.5	86.3
85.0	84.7	86.4	85.9	85.9	79.4	81.4	72.8	73.5	74.0	74.4	74.6	73.5	77.1	75.9	75.3
75.2	82.1	80.5	78.1	80.3	81.0	79.8	80.9	82.6	83.9	83.4	83.6	81.7	80.5	79.5	80.0
72.2	70.1	70.9	67.7	67.1	67.2	76.1	73.8	79.9	77.2	78.6	81.5	78.9	81.9	77.9	80.4
84.2	82.2	79.2	69.5	79.6	85.8	83.1	82.2	84.2	81.6	81.2	83.5	85.1	82.6	82.5	84.5
76.5	78.3	76.4	74.7	77.0	76.3	79.1	75.7	78.6	80.4	77.7	78.0	77.8	76.0	75.5	78.3
82.5	81.9	80.0	80.3	79.9	80.4	80.9	76.8	80.2	78.9	79.0	80.2	79.5	80.9	80.9	79.5

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2024									
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	90.3	90.1	87.3	91.5	93.3	93.1	94.4	92.8	92.0	
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	79.3	79.0	79.4	81.3	84.2	82.0	87.2	87.2	84.9	
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	87.3	84.1	85.5	80.8	82.9	85.2	83.2	87.3	87.5	
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	71.9	68.6	71.1	70.5	77.4	78.1	79.0	79.7	79.6	
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	78.6	77.8	78.2	83.1	79.4	78.1	78.4	81.2	86.9	
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	80.9	78.4	81.6	79.9	78.5	77.0	79.2	79.7	81.4	
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	86.5	84.5	85.1	83.2	84.0	83.6	85.6	84.7	84.2	
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	78.7	77.4	79.4	82.7	83.4	82.2	83.3	84.4	82.9	
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	81.5	80.0	81.9	82.6	83.0	80.0	79.9	80.6	81.3	
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	93.0	94.4	96.9	95.5	96.5	92.0	88.3	87.3	89.6	
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	74.8	77.0	78.9	76.5	82.1	83.5	79.8	81.2	82.1	
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	83.0	87.7	89.8	88.5	89.5	89.7	89.2	87.9	89.1	
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	78.7	72.7	84.7	82.3	81.8	82.0	82.4	82.4	83.1	
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	80.8	79.8	83.0	81.8	82.4	82.9	81.0	88.9	89.0	
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	93.7	83.9	88.9	87.9	88.9	86.9	88.9	92.2	88.9	
152	Pembuatan kasut <i>Manufacture of footwear</i>	89.9	83.6	87.8	82.7	83.0	82.3	78.4	78.2	82.2	
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planing of wood</i>	81.3	76.4	76.6	78.6	77.8	78.8	78.7	79.0	75.8	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	68.0	70.5	73.0	68.1	76.2	76.6	76.9	75.0	76.5	
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	78.9	78.1	77.3	77.3	75.9	78.0	78.2	78.4	78.5	
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	84.1	83.8	84.3	85.6	85.2	84.3	84.9	85.1	85.6	
192	Pembuatan produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	84.4	84.0	84.3	80.2	81.4	83.1	80.2	79.9	79.8	
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	79.7	76.9	81.6	80.3	82.0	85.1	84.0	85.6	82.7	
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	81.8	81.7	82.7	82.3	84.0	83.0	86.2	85.1	85.7	
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	83.6	86.1	86.1	84.8	84.7	87.2	87.9	85.3	85.5	
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	83.1	80.8	83.5	81.3	80.9	83.4	83.8	84.3	81.8	
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	81.4	78.9	78.5	78.0	81.3	82.7	83.7	82.8	80.4	

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017								
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
231	Pembuatan kaca dan produk kaca Manufacture of glass and glass products	82.1	79.6	82.6	80.5	81.1	80.7	81.6	81.2	82.0
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. Manufacture of non-metallic mineral products n.e.c.	75.5	71.8	69.9	71.5	69.1	70.3	70.0	70.3	69.1
241	Pembuatan besi dan keluli asas Manufacture of basic iron and steel	79.4	71.2	81.1	72.2	74.8	67.0	80.1	83.1	74.4
242	Pembuatan logam asas berharga dan logam bukan ferus lain Manufacture of basic precious and other non-ferrous metals	79.1	80.5	83.7	82.2	83.2	79.6	81.1	80.5	77.1
243	Pengacuan logam Casting of metals	70.7	71.7	75.1	74.8	74.2	73.5	72.6	72.6	71.6
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition	73.7	77.3	76.6	76.7	77.2	77.3	78.9	76.8	76.6
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam Manufacture of other fabricated metal products; metal working service activities	74.6	73.4	73.9	73.1	74.9	70.5	72.2	73.2	71.9
261	Pembuatan komponen dan papan elektronik Manufacture of electronic components and boards	85.0	84.7	86.5	84.1	85.1	83.9	85.1	86.5	87.1
262	Pembuatan komputer dan kelengkapan peranti Manufacture of computers and peripheral equipment	62.8	62.0	69.2	64.2	63.4	67.5	64.8	69.4	73.5
263	Pembuatan peralatan komunikasi Manufacture of communication equipment	74.7	76.9	85.2	60.4	57.0	61.4	59.3	58.6	91.1
264	Pembuatan peralatan elektronik pengguna Manufacture of consumer electronics	72.3	76.9	72.8	78.6	85.8	79.4	85.5	91.3	87.7
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam Manufacture of measuring, testing, navigating and control equipment; watches and clocks	67.2	68.6	67.8	65.0	66.8	71.0	76.8	77.6	70.6
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik Manufacture of irradiation, electromedical and electrotherapeutic equipment	84.1	74.7	82.1	73.5	90.4	66.1	85.8	94.8	79.4
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal Manufacture of optical instruments, photographic equipment, magnetic and optical media	83.0	85.4	87.1	88.9	89.0	86.6	85.1	82.0	83.6
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus	76.6	78.3	80.0	79.6	76.1	75.1	77.1	76.9	74.7
272	Pembuatan bateri dan akumulator Manufacture of batteries and accumulators	83.4	93.6	95.1	95.0	96.9	91.6	94.7	94.2	95.2
273	Pembuatan pendawaian dan peranti pendawaian Manufacture of wiring and wiring devices	84.1	82.6	81.0	79.2	80.5	76.9	78.7	79.1	76.5
274	Pembuatan kelengkapan pencahayaan elektrik Manufacture of electric lighting equipment	70.5	58.3	64.1	64.4	63.2	60.1	67.5	70.4	73.7
275	Pembuatan perkakasan domestik Manufacture of domestic appliances	74.5	69.7	67.7	80.5	79.1	79.5	90.1	87.6	88.5
279	Pembuatan kelengkapan elektrik lain Manufacture of other electrical equipment	86.7	83.7	87.3	79.4	88.7	88.4	89.8	90.1	86.3
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas Manufacture of general-purpose and special-purpose machinery	78.5	76.4	78.9	78.1	77.5	73.9	75.1	75.4	74.1
291	Pembuatan kenderaan bermotor Manufacture of motor vehicles	67.2	66.3	66.7	61.9	70.5	74.5	70.2	61.7	59.9
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers	77.1	76.4	73.4	76.1	77.3	78.3	77.0	76.6	78.8
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor Manufacture of parts and accessories for motor vehicles	76.9	70.7	76.6	73.5	74.5	71.6	75.0	76.0	76.6
301	Pembinaan kapal dan bot Building of ships and boats	89.9	84.8	70.7	74.7	75.2	70.1	74.2	77.3	75.4
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. Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.	79.6	79.4	75.5	78.8	76.0	71.9	78.6	75.3	80.3

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017		2018							
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	81.4	81.7	81.9	79.6	79.1	83.9	81.8	80.6	75.1	
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	71.3	73.1	71.1	73.4	68.2	73.1	72.6	71.5	70.1	
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	78.4	79.7	78.5	81.2	75.3	83.0	81.0	79.3	73.7	
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	80.9	80.2	79.3	75.5	71.6	75.8	76.0	75.3	73.2	
243	Pengacuan logam <i>Casting of metals</i>	71.8	74.7	73.0	71.3	69.0	69.7	71.4	74.0	72.8	
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	77.7	77.8	78.7	79.4	77.4	78.1	78.6	78.0	78.3	
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	73.9	74.3	76.0	77.5	75.8	78.6	78.0	76.8	75.5	
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	86.3	87.4	85.9	83.2	85.4	86.9	85.3	85.2	84.1	
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	68.6	69.6	74.0	69.3	65.5	75.4	71.2	71.7	71.2	
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	67.7	72.0	88.2	85.0	69.9	82.7	80.7	80.0	72.8	
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	85.6	77.5	65.3	66.2	57.7	84.6	66.7	72.7	71.1	
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	67.6	70.1	69.2	71.4	73.9	67.1	66.9	69.1	60.1	
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	94.4	95.8	92.0	53.3	67.1	55.9	55.9	57.0	54.3	
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	91.7	88.5	85.6	89.1	89.9	88.4	87.9	78.9	76.1	
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	75.9	78.0	76.0	75.8	76.9	79.4	79.4	76.8	75.5	
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	95.4	94.0	90.0	83.6	83.6	83.4	83.4	84.8	83.8	
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	77.0	76.1	75.0	79.7	77.2	77.5	77.4	76.1	76.9	
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	65.6	70.7	71.0	72.0	66.6	67.3	77.9	66.6	72.5	
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	88.7	84.3	87.1	89.0	84.8	89.4	94.9	95.6	87.9	
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	89.6	88.2	85.9	87.0	86.9	88.7	87.4	87.1	86.6	
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	74.9	76.3	75.6	78.1	77.4	81.3	78.5	76.6	74.2	
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	54.3	75.1	77.5	78.4	71.2	80.0	80.8	82.1	84.1	
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	78.5	77.7	78.4	79.9	75.2	75.3	76.4	76.8	75.1	
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	77.8	78.0	75.4	81.9	78.6	79.3	81.3	78.8	75.1	
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	74.5	78.8	73.1	69.5	70.4	62.9	65.5	85.4	72.6	
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. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	78.3	78.8	82.1	85.0	82.2	71.4	70.6	70.4	72.2	

2019															
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.
77.3	78.2	76.4	79.0	80.1	76.9	79.6	75.9	77.5	75.5	74.2	75.9	75.3	71.4	73.0	72.3
74.0	73.2	72.7	72.0	71.1	70.2	71.6	68.2	72.9	73.7	71.9	67.8	73.2	72.7	69.6	73.3
81.9	78.5	77.2	78.1	70.7	76.9	72.2	67.7	74.0	77.5	78.7	68.5	78.1	79.4	76.5	78.4
76.4	74.6	74.0	81.4	78.7	78.8	78.1	73.5	77.2	77.3	76.5	76.3	75.9	76.5	77.9	79.1
73.1	79.4	77.6	78.2	74.9	76.9	79.1	76.2	73.1	77.8	77.5	73.2	75.7	76.5	74.4	75.3
78.3	74.2	77.9	77.8	77.0	76.9	79.1	77.4	76.6	77.3	76.1	76.4	76.6	77.0	77.4	77.0
77.2	79.2	78.0	79.2	79.1	78.4	78.2	73.9	77.8	79.2	77.2	75.4	77.6	75.8	75.2	75.5
85.3	84.0	84.1	83.6	82.1	81.9	82.1	81.4	81.3	79.9	82.0	80.5	81.5	82.3	81.7	82.1
65.1	70.6	68.2	66.0	64.3	64.0	60.8	55.4	58.4	57.8	53.5	65.8	68.0	69.2	65.3	64.7
84.1	78.2	75.5	78.0	73.8	74.6	87.7	71.0	75.3	67.9	64.0	72.3	89.4	69.7	69.5	81.3
82.5	83.1	83.4	79.4	65.4	66.5	70.2	65.7	73.0	86.1	86.0	80.3	88.6	83.4	78.5	79.2
74.4	79.2	70.6	60.9	72.3	72.0	64.8	67.0	79.5	71.5	70.9	69.0	65.5	70.6	65.8	64.3
51.6	50.2	51.9	52.1	55.0	51.6	56.9	55.2	58.4	58.5	59.8	58.3	62.8	63.8	64.9	63.6
78.2	73.9	67.8	67.9	63.5	62.7	62.2	60.8	59.3	61.6	60.4	72.7	71.7	71.0	69.2	68.2
78.6	79.6	77.2	77.2	75.8	74.5	74.5	78.0	81.8	81.0	80.3	77.1	78.2	79.0	77.6	79.9
79.8	84.3	84.4	91.4	90.6	86.4	93.3	88.5	90.9	90.5	87.6	90.6	84.5	76.8	80.8	76.1
77.6	72.5	73.9	77.0	73.2	74.3	78.1	75.3	76.6	78.0	77.4	72.4	76.3	74.9	76.0	75.4
73.4	63.2	69.6	66.3	63.0	63.5	65.6	60.8	64.1	69.8	71.0	63.1	70.6	66.8	65.0	70.1
81.3	83.1	84.3	83.8	84.2	85.6	89.1	86.9	84.3	81.3	81.3	73.3	80.6	84.8	86.1	91.0
87.2	89.0	87.0	89.1	87.5	87.3	83.5	82.7	84.1	84.2	87.3	85.7	89.3	87.0	87.5	89.5
76.8	75.1	75.8	76.1	73.4	74.5	74.0	73.6	77.1	76.6	76.0	74.7	76.3	74.1	75.0	76.9
84.6	71.4	63.9	79.2	82.4	76.2	74.8	86.7	79.3	73.8	73.7	74.7	80.5	75.6	80.3	84.7
74.0	80.2	73.2	68.6	76.3	73.3	75.3	73.5	76.8	85.8	77.7	76.5	75.5	79.8	77.0	77.2
80.2	77.2	72.8	76.8	78.7	76.0	78.1	80.2	82.3	83.0	83.6	80.9	78.1	78.2	78.2	79.0
69.3	66.3	67.7	72.4	70.4	76.1	74.5	71.3	76.4	77.7	79.9	79.8	78.0	74.6	76.2	68.6
71.8	81.6	75.1	73.4	83.8	81.1	83.4	82.9	82.7	82.5	81.9	76.7	82.6	80.5	78.3	80.7

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2019	2020							
		Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	72.6	74.5	79.7	72.2	67.4	52.1	70.1	76.6	73.5
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	72.5	72.8	70.1	66.0	53.2	38.2	55.5	60.4	68.0
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	76.2	73.0	72.9	69.7	58.0	45.9	56.7	66.3	70.4
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	76.5	77.8	78.2	76.7	62.4	55.9	72.7	73.1	74.5
243	Pengacuan logam <i>Casting of metals</i>	75.2	73.2	75.4	76.4	59.2	45.1	65.4	70.1	71.9
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	77.6	77.3	72.7	73.5	68.0	51.6	65.5	70.0	71.6
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	75.9	76.6	75.7	76.6	63.2	49.7	66.1	71.0	74.1
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	82.6	82.0	78.2	79.6	71.5	51.8	72.5	75.1	75.2
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	65.4	76.4	65.9	67.8	55.8	60.1	56.2	58.9	64.6
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	68.8	76.0	80.9	77.5	61.0	47.7	66.8	78.0	79.3
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	71.7	68.0	71.2	72.5	47.0	24.0	48.7	68.5	69.7
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	64.1	72.0	64.5	63.5	60.5	44.6	54.6	60.5	66.7
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	64.8	60.5	73.8	77.8	70.6	46.7	62.4	65.6	68.3
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	66.8	63.0	75.3	76.9	28.9	51.7	50.8	83.9	86.1
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	78.0	81.6	76.9	75.7	65.3	57.9	74.1	78.9	80.4
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	83.8	66.5	74.6	71.1	42.0	31.0	50.6	60.9	69.4
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	75.9	74.6	76.1	74.5	62.9	51.1	65.3	68.2	71.2
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	69.1	70.6	57.9	67.9	45.0	45.0	55.6	69.6	64.8
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	87.5	88.0	84.1	80.1	62.2	31.2	68.2	63.3	75.0
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	87.5	86.7	88.1	88.7	80.8	70.7	87.6	88.2	83.8
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	77.1	76.4	76.3	74.3	62.4	53.8	68.5	73.1	73.2
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	82.9	71.6	67.8	66.6	66.5	15.2	44.8	64.6	67.5
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	76.4	77.6	78.4	77.7	64.4	43.4	69.5	61.3	68.1
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	78.0	80.3	76.1	74.9	62.3	36.9	53.9	67.3	71.9
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	70.9	72.1	76.8	74.9	75.3	42.2	52.4	59.4	59.9
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. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	81.1	79.7	82.4	87.7	73.1	53.3	69.1	80.1	75.3

2021															
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
71.4	68.7	70.7	72.4	66.0	63.8	69.6	79.6	78.3	76.0	64.8	66.1	72.3	79.5	80.6	80.6
69.2	69.1	69.6	68.2	71.3	70.7	70.3	73.2	73.4	67.8	53.5	57.8	62.4	67.0	69.6	68.6
62.0	70.3	68.1	66.9	74.0	72.1	64.9	70.6	70.4	62.2	46.0	52.8	58.3	73.2	70.9	68.0
75.7	76.2	77.4	76.1	76.6	77.5	76.9	80.5	80.4	78.4	70.2	66.6	70.1	76.0	82.2	82.5
72.4	71.0	71.3	71.2	71.4	66.2	62.5	69.0	66.6	64.7	52.2	45.6	63.7	71.4	71.1	75.3
71.7	73.4	72.0	71.9	72.4	76.7	76.9	78.4	77.9	75.4	72.2	73.9	76.0	76.1	77.3	78.4
70.9	77.5	74.3	74.4	75.3	77.5	73.0	77.5	76.0	71.0	60.7	60.9	62.7	67.5	71.4	70.4
77.6	80.7	80.9	81.0	82.3	81.9	81.2	83.0	81.4	81.2	81.4	77.5	77.4	82.0	82.1	81.9
59.1	55.0	57.8	54.0	58.4	61.6	65.8	61.9	66.0	65.3	70.6	66.9	58.0	63.8	55.5	57.7
78.4	81.1	80.6	79.5	81.2	79.5	78.1	84.8	81.2	77.7	80.3	79.3	73.1	77.8	75.2	75.6
71.3	72.5	68.7	66.3	68.4	62.7	64.8	73.0	72.9	72.7	83.4	63.9	72.0	88.1	89.3	82.2
66.7	67.2	69.4	75.8	66.9	70.0	70.1	69.8	72.1	67.2	69.5	73.5	59.5	62.1	68.1	66.6
66.0	72.8	73.6	70.5	74.6	65.6	69.4	63.5	66.0	69.2	64.8	63.7	66.8	70.6	71.9	71.2
82.5	82.4	73.5	74.5	74.0	69.3	70.3	71.4	71.8	68.7	54.2	37.5	62.8	71.5	86.1	80.3
78.5	78.0	77.2	76.1	77.9	72.4	76.4	79.8	78.9	75.1	75.5	67.3	73.7	79.9	80.3	86.2
76.0	77.6	76.1	75.3	68.0	88.8	51.7	93.4	89.8	91.0	82.0	72.7	91.2	80.9	90.8	90.7
71.0	74.1	69.8	69.4	71.5	70.9	74.3	71.1	71.2	73.4	69.3	66.4	70.3	74.4	76.2	78.2
67.3	70.8	67.3	67.2	71.3	71.2	66.1	69.4	70.1	61.0	54.2	54.2	66.5	69.0	72.8	73.6
73.8	73.2	75.5	72.2	69.2	72.4	79.2	79.1	80.4	78.4	65.7	61.3	66.6	77.2	84.3	82.1
84.9	87.0	84.1	85.9	86.7	89.4	88.9	89.1	90.9	89.6	86.3	86.8	82.3	88.9	86.1	88.2
72.7	73.5	78.3	77.7	79.2	75.7	74.9	78.4	76.2	73.5	64.1	60.2	74.3	76.9	78.5	79.8
69.9	71.4	70.8	69.5	71.4	78.9	71.7	80.2	75.9	78.6	12.4	11.0	42.8	72.3	82.8	74.5
71.9	73.7	74.8	79.1	82.7	61.6	58.0	59.5	60.8	62.1	57.6	55.8	62.5	72.8	74.2	72.5
74.6	75.3	75.5	75.4	76.3	76.5	79.0	84.9	79.8	80.4	71.5	71.0	70.9	76.1	83.3	77.4
61.4	63.5	64.9	64.1	65.4	62.4	59.1	67.0	67.0	70.6	67.3	71.0	79.2	74.6	68.6	71.1
73.9	85.4	91.7	84.2	80.8	85.2	81.1	86.0	82.6	78.0	75.2	53.5	45.7	67.2	70.7	71.9

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2021	2022							
		Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	75.7	85.9	82.0	89.1	85.0	88.3	87.9	83.5	89.5
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	71.3	81.7	75.8	76.0	80.7	77.7	80.4	82.6	80.9
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	63.6	78.1	71.9	78.7	76.7	70.8	78.3	79.6	77.7
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	81.4	84.5	77.5	82.6	79.8	79.6	75.0	80.9	82.1
243	Pengacuan logam <i>Casting of metals</i>	72.3	77.4	77.3	81.0	78.9	78.4	79.6	75.9	75.8
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	78.5	83.2	80.5	79.5	76.2	74.5	76.8	76.3	76.6
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	71.5	81.1	76.9	81.1	81.5	72.6	78.0	77.4	76.2
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	83.7	84.6	87.5	86.8	81.6	80.6	85.7	85.8	86.2
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	70.6	77.7	53.6	76.9	62.1	68.6	78.5	77.3	75.1
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	75.7	77.2	78.2	79.6	74.8	79.7	79.1	76.6	66.1
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	80.8	67.8	69.4	73.6	73.8	73.1	76.9	71.9	66.7
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	63.4	70.2	72.2	84.8	79.3	76.8	85.4	82.6	87.6
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	75.7	78.9	77.9	87.1	82.6	76.7	85.4	69.5	87.9
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	79.2	88.4	69.7	89.3	83.8	76.7	76.1	88.8	89.5
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	86.0	85.2	78.6	82.8	80.7	78.1	84.1	84.8	85.7
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	66.5	68.5	68.3	93.9	95.1	83.4	85.4	87.1	79.5
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	78.5	82.6	74.0	84.2	82.5	79.8	82.1	81.3	81.8
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	75.8	70.0	79.8	82.8	69.8	73.9	78.4	77.2	81.6
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	78.5	88.1	81.3	80.8	73.0	69.1	78.2	91.7	92.4
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	89.0	86.6	88.9	94.2	87.4	86.4	88.3	90.2	93.4
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	76.9	81.8	79.7	83.5	84.3	79.3	83.2	84.6	84.6
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	73.1	76.1	89.2	82.7	76.0	79.0	77.0	76.4	86.6
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	74.3	71.4	51.3	62.4	79.7	87.8	83.8	71.1	83.4
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	78.4	80.3	81.3	89.7	86.6	86.6	90.5	88.8	88.8
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	66.8	77.1	67.7	82.5	72.4	71.7	82.7	80.5	87.8
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. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	68.9	78.4	78.3	86.8	85.1	84.3	84.3	84.1	87.8

2023															
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
89.5	80.9	79.9	79.3	72.9	76.7	78.3	75.4	80.6	76.2	83.0	79.4	84.2	81.6	87.3	86.3
79.4	79.8	78.5	78.6	76.6	75.2	74.0	64.9	74.1	71.7	73.7	72.9	78.3	85.6	85.7	85.9
76.3	78.5	79.7	75.5	88.8	85.1	89.7	79.9	81.4	82.8	80.9	84.4	84.6	81.0	83.2	79.9
77.1	71.3	73.5	71.5	82.5	78.8	78.5	81.6	82.9	82.0	83.5	83.8	81.5	80.3	79.6	79.5
78.8	73.5	72.5	72.6	79.0	77.3	77.3	78.3	82.9	80.0	80.1	80.2	80.5	70.6	71.0	77.2
77.8	80.9	79.2	75.0	92.7	91.5	96.8	93.4	92.8	82.3	82.0	81.7	89.4	85.0	85.8	85.5
77.5	79.2	78.2	79.2	58.3	65.5	66.5	73.3	74.2	77.2	72.4	73.7	73.2	81.7	81.3	82.1
88.2	83.8	85.6	83.9	82.4	86.8	93.1	85.9	87.9	87.7	87.2	85.5	86.4	78.7	78.4	78.4
76.6	59.1	56.9	81.9	77.9	72.8	82.9	81.7	81.5	82.3	81.3	82.5	83.2	75.4	75.8	61.7
84.1	75.4	77.5	83.5	74.5	50.0	57.1	17.9	80.3	63.1	47.4	51.9	50.2	81.8	82.8	80.0
70.4	70.1	71.1	71.2	97.4	98.1	89.8	79.1	79.3	78.6	77.9	79.5	81.3	82.5	82.2	75.1
86.9	85.5	83.4	81.8	97.0	93.8	94.1	77.8	82.2	81.8	77.8	78.9	79.6	83.9	82.7	84.2
84.6	87.3	79.0	83.6	86.1	74.5	76.1	74.5	79.4	84.8	79.9	79.3	83.4	89.3	88.7	92.7
88.0	83.6	88.4	89.3	87.1	81.9	91.5	80.0	89.1	83.4	83.9	87.6	88.4	91.6	77.3	78.1
83.1	80.6	84.3	87.4	74.6	77.3	79.9	76.6	75.6	77.6	77.0	77.4	78.6	78.0	84.0	79.4
77.3	65.3	74.3	94.0	81.3	82.6	80.6	82.7	83.8	83.2	82.9	83.4	83.9	83.2	82.2	79.5
80.8	78.3	77.6	77.8	75.0	77.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	83.4	82.5	84.2
78.3	78.8	71.8	83.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.9	86.9	88.2
88.1	90.3	89.5	90.2	85.9	79.4	81.4	72.8	73.5	74.0	74.4	74.6	73.5	86.3	76.8	68.9
88.8	88.2	80.8	88.0	76.9	78.0	82.9	84.0	85.9	83.6	82.7	86.1	84.4	83.2	86.5	76.3
81.4	78.7	80.0	81.7	79.6	85.8	83.1	82.2	84.2	81.6	81.2	83.5	85.1	83.4	84.9	84.6
90.6	81.2	85.5	61.0	77.0	76.3	79.1	75.7	78.6	80.4	77.7	78.0	77.8	84.4	83.2	87.4
83.3	87.3	89.2	71.9	85.3	83.9	92.3	86.6	85.0	85.3	91.3	89.4	89.4	85.5	68.3	70.7
90.6	87.2	90.9	89.8	74.9	81.7	82.9	81.0	80.9	82.6	81.5	84.2	85.3	77.5	80.7	74.3
54.7	66.3	61.4	93.7	74.0	80.1	83.1	81.5	79.0	77.8	77.6	81.2	81.5	77.7	81.5	72.1
86.1	84.7	87.0	87.2	73.3	75.8	81.6	73.3	76.4	76.4	76.3	76.9	80.3	85.4	84.8	91.3

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2024								
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
231	Pembuatan kaca dan produk kaca Manufacture of glass and glass products	88.9	86.8	86.8	83.2	85.6	81.1	83.0	83.4	85.4
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. Manufacture of non-metallic mineral products n.e.c.	85.9	84.6	85.1	84.4	82.1	84.3	85.7	86.2	86.1
241	Pembuatan besi dan keluli asas Manufacture of basic iron and steel	78.3	81.3	80.8	80.2	80.4	80.1	80.2	80.9	82.5
242	Pembuatan logam asas berharga dan logam bukan ferus lain Manufacture of basic precious and other non-ferrous metals	78.9	76.3	77.7	78.7	75.9	76.1	75.6	79.6	78.2
243	Pengacuan logam Casting of metals	79.5	76.1	74.2	72.5	75.4	73.3	77.8	73.1	73.8
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition	86.2	84.0	85.2	85.9	85.7	89.9	87.7	88.3	89.0
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam Manufacture of other fabricated metal products; metal working service activities	82.6	80.3	83.5	79.7	81.9	83.1	81.0	82.6	82.5
261	Pembuatan komponen dan papan elektronik Manufacture of electronic components and boards	75.0	75.6	80.3	77.5	82.2	85.9	78.4	79.5	79.3
262	Pembuatan komputer dan kelengkapan peranti Manufacture of computers and peripheral equipment	76.6	79.4	72.7	69.9	80.9	76.7	77.2	85.7	80.1
263	Pembuatan peralatan komunikasi Manufacture of communication equipment	79.1	74.9	78.6	79.0	89.0	84.0	82.8	86.8	87.0
264	Pembuatan peralatan elektronik pengguna Manufacture of consumer electronics	74.8	72.5	77.9	80.0	84.0	82.8	82.8	81.4	88.3
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam Manufacture of measuring, testing, navigating and control equipment; watches and clocks	78.1	76.7	88.0	67.9	80.9	77.7	89.7	88.9	89.2
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik Manufacture of irradiation, electromedical and electrotherapeutic equipment	93.9	90.5	93.6	80.1	81.7	84.7	92.4	88.3	84.1
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal Manufacture of optical instruments, photographic equipment, magnetic and optical media	81.4	89.0	86.7	81.8	87.0	82.4	89.4	84.7	85.9
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus	78.7	79.0	81.6	76.6	78.9	82.0	84.4	85.1	83.0
272	Pembuatan bateri dan akumulator Manufacture of batteries and accumulators	82.6	81.3	84.9	76.7	77.7	69.3	71.4	71.6	72.4
273	Pembuatan pendawaian dan peranti pendawaian Manufacture of wiring and wiring devices	84.7	80.6	83.1	79.8	80.4	81.4	82.7	84.1	82.8
274	Pembuatan kelengkapan pencahayaan elektrik Manufacture of electric lighting equipment	90.1	84.8	88.0	87.4	84.6	81.9	83.5	82.3	80.4
275	Pembuatan perkakasan domestik Manufacture of domestic appliances	76.0	75.1	86.6	89.6	92.2	92.0	95.8	85.9	89.8
279	Pembuatan kelengkapan elektrik lain Manufacture of other electrical equipment	77.6	83.0	79.2	83.1	83.5	82.8	65.9	77.3	79.5
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas Manufacture of general-purpose and special-purpose machinery	82.6	82.9	85.6	87.5	88.5	89.5	88.2	88.4	86.4
291	Pembuatan kenderaan bermotor Manufacture of motor vehicles	92.9	91.1	90.4	89.8	94.5	85.4	89.5	90.0	81.2
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers	63.4	70.8	69.1	87.5	73.7	78.0	75.2	66.9	72.3
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor Manufacture of parts and accessories for motor vehicles	84.9	80.8	77.3	89.3	90.3	81.3	81.5	85.9	80.9
301	Pembinaan kapal dan bot Building of ships and boats	82.3	76.6	75.7	84.2	78.8	66.5	74.6	77.2	79.9
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. Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.	86.8	87.2	90.4	81.9	87.2	89.4	88.5	88.2	87.7

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017								
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
310	Pembuatan perabot <i>Manufacture of furniture</i>	81.7	80.9	83.6	79.2	82.0	79.5	79.8	82.3	81.6
321	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	82.5	69.3	76.8	75.0	73.9	81.0	74.6	81.5	80.7
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>	74.4	73.6	73.9	73.9	73.8	73.0	74.6	73.9	71.5
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	68.4	74.7	69.1	76.7	75.2	78.4	76.9	78.3	78.7
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	75.0	66.1	67.7	65.4	67.3	66.1	67.3	64.5	52.9
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>	77.4	83.0	80.8	76.6	82.9	82.0	84.3	83.5	81.6
Malaysia		79.4	78.5	79.3	76.3	78.0	78.7	80.1	80.3	79.8

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code		Keterangan Kumpulan Group Description	2017			2018					
			Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
310	Pembuatan perabot <i>Manufacture of furniture</i>		81.8	83.2	81.6	80.5	78.6	80.6	79.5	80.7	80.4
321	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>		74.7	70.1	73.7	80.9	77.0	73.1	78.2	77.1	72.6
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>		73.7	69.8	73.3	69.1	66.5	66.4	68.1	68.5	66.5
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>		79.0	67.4	80.4	69.3	73.5	75.6	77.1	73.5	74.2
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>		62.8	56.7	61.4	64.1	58.2	54.6	67.7	69.1	68.0
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>		83.1	84.6	75.8	81.3	82.9	81.2	74.3	71.8	74.9
Malaysia			79.7	80.4	79.9	80.2	77.7	81.1	79.7	80.0	78.6

2019															
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.
80.5	79.7	78.8	80.1	80.3	80.3	81.5	78.0	80.7	78.3	78.3	78.3	80.2	79.2	79.4	81.2
68.9	78.0	68.9	75.6	80.3	76.0	83.5	65.1	71.8	77.8	79.0	77.5	74.6	76.0	75.2	79.1
69.7	69.5	68.4	67.8	73.6	68.8	71.9	69.4	72.0	74.3	74.4	70.4	72.0	77.6	74.2	67.5
74.5	73.0	71.7	74.0	74.9	76.8	76.0	74.0	74.3	74.8	74.1	72.5	72.3	71.9	73.4	72.6
72.4	75.9	75.1	73.8	89.7	70.5	67.5	68.3	73.7	69.6	82.2	75.6	82.5	80.5	75.0	61.9
76.5	75.5	76.6	76.3	73.6	74.5	66.9	70.4	69.5	68.0	69.9	70.0	71.7	70.3	71.4	69.7
80.7	78.9	77.8	78.1	78.3	78.5	76.6	75.8	76.1	77.0	78.2	77.9	79.4	78.4	78.4	78.8

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2019	2020							
		Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
310	Pembuatan perabot Manufacture of furniture	81.3	82.3	80.1	79.1	68.6	29.7	57.4	66.6	69.2
321	Pembuatan barang kemas, bijouterie dan artikel berkaitan Manufacture of jewellery, bijouterie and related articles	80.8	78.9	75.6	72.3	51.9	37.7	55.9	68.4	68.5
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.	72.0	68.7	82.1	79.6	62.3	50.2	68.3	77.2	80.4
323	Pembuatan barangan sukan Manufacture of sports goods	71.8	74.3	78.3	74.6	60.7	47.6	67.1	75.8	75.1
324	Pembuatan permainan dan mainan Manufacture of games and toys	72.2	66.1	84.4	78.1	51.4	60.0	66.9	80.2	82.5
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment	77.1	70.4	72.7	70.8	68.0	56.7	66.0	75.7	70.9
Malaysia		79.1	78.4	74.6	74.7	64.4	47.7	63.9	70.9	72.2

2021															
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
73.3	75.9	76.0	74.8	75.8	74.7	73.2	74.2	72.9	69.8	59.9	59.5	61.5	70.0	74.8	75.7
77.6	77.2	74.8	77.0	77.2	75.5	70.6	69.9	71.7	68.2	75.9	62.5	60.4	61.2	64.8	69.1
79.1	79.8	76.8	74.3	77.2	75.3	75.6	78.7	77.3	75.5	64.5	70.4	72.3	75.8	79.6	79.1
74.5	76.4	74.2	73.9	79.2	76.5	75.1	78.5	81.8	78.0	68.3	71.8	70.1	70.1	74.3	75.1
86.5	86.1	78.1	72.2	64.4	61.6	62.1	69.1	60.8	59.4	27.0	42.1	45.5	61.5	72.8	71.5
74.4	74.6	73.5	71.7	71.5	78.4	72.1	70.5	72.0	70.7	67.7	62.6	67.7	70.4	72.5	71.5
72.4	74.4	75.1	72.8	74.5	76.5	75.8	77.7	76.9	76.1	70.0	67.6	68.5	72.7	74.5	75.2

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2021	2022							
		Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
310	Pembuatan perabot <i>Manufacture of furniture</i>	76.7	83.9	80.4	85.2	84.7	81.9	85.0	85.1	85.8
321	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	68.9	84.5	61.2	83.9	67.9	80.1	84.4	77.9	85.0
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>	77.1	83.1	85.3	82.6	82.1	85.8	84.4	85.6	82.4
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	77.5	89.3	93.7	92.7	93.5	93.9	97.3	95.3	85.3
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	56.6	75.5	78.9	72.7	74.3	77.8	77.6	79.7	79.5
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>	73.5	81.8	82.4	85.1	71.2	84.9	84.6	77.8	80.8
Malaysia		75.7	81.3	80.2	81.7	80.4	77.4	79.1	80.9	81.2

2023															
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
84.5	85.7	82.8	80.6	78.4	79.7	82.7	79.8	80.2	78.0	77.2	78.5	78.6	86.1	87.5	88.2
82.6	87.2	81.1	81.0	89.9	79.8	89.3	85.6	91.6	82.2	89.0	79.5	81.5	82.8	89.9	88.2
82.3	77.8	83.2	83.3	84.2	87.0	86.8	72.5	77.3	78.3	78.4	83.4	84.1	83.9	79.9	79.8
83.4	82.2	85.0	86.5	97.9	98.4	99.3	83.7	84.9	95.2	94.6	92.4	85.1	96.3	78.6	93.4
81.6	66.0	75.9	67.0	74.2	77.4	81.4	73.7	82.7	72.9	71.5	69.1	72.5	72.2	87.4	82.5
79.1	68.1	80.2	70.7	82.7	82.5	85.9	78.0	77.9	80.8	82.9	81.7	82.7	85.1	85.8	82.4
81.7	80.1	80.4	80.2	79.3	79.2	80.8	76.5	79.2	79.2	78.6	79.6	80.1	80.4	80.1	79.2

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group – Monthly

Kod Kumpulan Group Code		Keterangan Kumpulan Group Description	2024								
			Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
310	Pembuatan perabot <i>Manufacture of furniture</i>		89.0	86.2	88.9	86.3	86.4	84.8	82.8	84.2	83.9
321	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>		91.9	84.6	88.4	86.7	83.9	86.3	86.2	82.6	82.6
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>		80.3	79.3	81.7	80.8	82.1	80.6	80.9	81.6	83.0
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>		90.4	82.8	88.9	90.4	95.4	89.4	98.3	93.8	91.3
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>		70.7	75.5	76.4	69.9	83.7	75.2	75.8	74.0	76.3
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>		84.1	84.0	86.4	83.9	82.2	84.6	85.2	84.8	84.5
Malaysia			80.9	79.8	81.7	80.3	82.7	83.2	82.2	82.8	82.3

3a Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik - Tahunan
Manufacturing Industry Capacity Utilisation by Export-Oriented Industry and Import-Oriented Industry – Yearly

Bil. No.	Kod Codes	Keterangan Description	2017	2018	2019	2020	2021	2022	2023
	C	PEMBUATAN MANUFACTURING	79.2	79.1	77.8	69.8	73.9	80.4	79.4
1.		Industri Berorientasikan Eksport Export-Oriented Industries	81.2	80.4	78.5	70.4	75.5	80.4	78.4
1.1	104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	76.0	78.7	71.3	71.1	74.9	67.4	72.3
1.2	13	Pembuatan tekstil <i>Manufacture of textiles</i>	71.3	69.1	69.1	65.7	73.7	85.5	76.8
1.3	14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	84.2	87.4	87.0	70.9	76.2	74.1	81.4
1.4	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>	75.1	75.4	73.9	67.6	68.9	72.6	70.4
1.5	19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	86.9	84.4	80.3	63.0	70.8	81.6	76.5
1.6	20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	78.6	82.3	81.1	76.3	80.2	80.1	80.9
1.7	221	Pembuatan produk getah <i>Manufacture of rubber products</i>	82.3	80.1	80.3	81.9	79.1	79.4	77.5
1.8	222	Pembuatan produk plastik <i>Manufacture of plastic products</i>	77.7	77.6	76.5	74.4	74.1	80.5	79.8
1.9	26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	80.7	78.9	77.1	70.5	76.9	80.1	78.8
1.10	27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	80.9	80.6	80.3	71.8	77.1	82.8	80.4
1.11	28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	76.0	76.4	75.5	71.9	74.3	81.7	83.3
1.12	31	Pembuatan perabot <i>Manufacture of furniture</i>	81.4	80.0	79.9	68.8	70.2	83.8	81.2
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	74.2	76.1	76.1	68.2	69.9	80.3	81.4
2.1	10 (Kecuali 104)	Pembuatan produk prosesanan makanan <i>Manufacture of food processing products</i>	76.5	75.4	75.0	75.4	75.2	80.9	82.6
2.2	11	Pembuatan minuman <i>Manufacture of beverages</i>	67.3	71.9	71.4	65.3	67.3	81.5	80.1
2.3	12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	73.0	65.3	76.9	59.7	61.4	84.2	89.3
2.4	15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	81.0	81.8	79.2	70.6	71.2	89.9	82.1
2.5	17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	78.2	81.0	79.1	73.9	74.2	79.3	77.6
2.6	18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	77.0	76.4	77.1	69.8	70.9	82.0	83.2
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	72.4	74.6	73.3	73.7	72.4	80.0	83.0
2.8	23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	72.4	72.7	72.1	64.1	67.9	80.1	81.7
2.9	24	Pembuatan logam asas <i>Manufacture of basic metals</i>	77.8	77.1	75.7	68.0	68.7	77.2	78.9
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	73.8	77.1	75.8	70.8	71.1	80.1	81.3
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	70.6	77.9	78.9	64.9	69.0	83.0	82.8
2.12	30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	77.7	74.8	78.5	69.6	72.0	81.3	80.4
2.13	32	Pembuatan lain <i>Other manufacturing</i>	76.6	73.9	76.3	72.6	71.9	76.9	81.0
2.14	33	Mbaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	77.9	75.8	74.3	72.7	72.2	78.6	82.1

3b Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik - Suku Tahunan
Manufacturing Industry Capacity Utilisation by Export-Oriented Industry and Import-Oriented Industry – Quarterly

Bil. No.	Kod Codes	Keterangan Description	2017				2018			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	C	PEMBUATAN MANUFACTURING	79.1	77.7	80.1	80.0	79.7	79.4	79.1	78.3
1.		Industri Berorientasikan Eksport Export-Oriented Industries	81.0	79.3	82.5	82.2	81.2	80.7	80.4	79.2
1.1	104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	68.2	79.1	78.0	78.9	76.8	75.6	78.6	83.9
1.2	13	Pembuatan tekstil <i>Manufacture of textiles</i>	73.9	65.7	73.3	72.4	64.3	75.6	68.3	68.3
1.3	14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	83.0	81.2	85.3	87.4	87.4	87.5	87.4	87.5
1.4	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>	75.1	73.9	74.5	76.7	74.4	74.7	76.1	76.2
1.5	19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	88.6	82.8	87.8	88.4	85.8	85.9	81.8	83.9
1.6	20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	78.2	77.4	79.4	79.5	84.0	81.0	82.2	82.0
1.7	221	Pembuatan produk getah <i>Manufacture of rubber products</i>	82.4	81.6	82.3	83.1	81.2	79.4	80.0	79.9
1.8	222	Pembuatan produk plastik <i>Manufacture of plastic products</i>	76.4	76.9	79.4	78.0	77.8	77.5	78.5	76.6
1.9	26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	79.5	79.0	82.8	81.5	79.2	79.0	80.6	76.6
1.10	27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	79.7	80.4	82.5	81.2	81.3	82.0	79.5	79.8
1.11	28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	77.9	76.2	74.4	75.5	79.2	76.4	75.6	74.4
1.12	31	Pembuatan perabot <i>Manufacture of furniture</i>	82.1	80.3	81.3	82.2	79.9	80.2	79.7	80.2
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	74.2	73.6	74.1	74.8	75.9	76.5	76.0	76.2
2.1	10 (Kecuali 104)	Pembuatan produk prosesan makanan <i>Manufacture of food processing products</i>	76.6	77.4	76.0	76.0	75.6	75.5	73.9	76.5
2.2	11	Pembuatan minuman <i>Manufacture of beverages</i>	64.6	69.2	72.6	62.7	63.9	73.0	77.0	73.5
2.3	12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	80.0	78.5	77.2	56.2	62.4	66.3	66.6	66.0
2.4	15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	83.7	81.3	79.7	79.3	80.6	83.9	83.5	79.4
2.5	17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	77.7	78.1	78.1	78.8	81.2	80.7	81.2	80.7
2.6	18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	74.6	79.0	79.1	75.4	74.9	79.2	78.7	72.8
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	69.3	71.2	72.5	76.5	74.8	72.9	76.0	74.6
2.8	23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	73.5	71.6	71.3	73.1	72.7	72.4	73.8	72.1
2.9	24	Pembuatan logam asas <i>Manufacture of basic metals</i>	78.3	75.0	79.0	79.0	77.4	76.6	77.6	76.8
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	73.3	73.3	73.3	75.3	77.1	76.7	77.2	77.3
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	70.1	70.8	69.0	72.4	77.9	80.6	74.7	78.3
2.12	30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	79.8	74.1	77.8	79.1	75.2	73.0	73.1	77.9
2.13	32	Pembuatan lain <i>Other manufacturing</i>	77.6	76.2	77.5	75.0	74.3	73.7	73.0	74.6
2.14	33	Membbaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	76.2	78.3	78.1	79.0	78.9	75.4	76.6	72.3

2019				2020				2021				2022	
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
76.1	77.7	78.8	78.7	71.2	60.8	73.0	74.1	76.7	74.3	69.6	75.1	81.1	79.0
76.3	78.4	79.8	79.6	71.7	62.0	73.4	74.7	77.6	76.9	72.1	75.7	81.3	78.6
72.9	73.8	71.6	66.8	71.7	78.7	71.5	62.4	73.4	76.6	80.7	68.8	64.7	65.8
69.3	68.6	69.1	69.4	71.7	54.1	68.3	68.7	78.4	75.7	68.2	72.4	86.6	83.0
85.3	87.0	87.6	88.3	75.8	60.8	72.1	74.8	78.5	76.4	70.8	79.2	73.3	78.4
74.8	74.4	73.3	73.0	67.3	62.4	70.3	70.1	69.0	68.3	66.6	71.7	72.6	73.5
74.4	79.8	83.5	83.7	65.7	50.9	67.0	68.3	78.7	77.3	64.2	63.2	84.4	74.7
79.8	82.2	80.6	81.8	76.1	71.6	77.9	79.5	81.8	78.8	78.2	81.9	81.0	80.1
79.5	79.9	80.5	81.1	80.9	80.0	82.9	83.9	81.3	80.5	73.6	81.1	82.1	81.4
75.4	77.1	76.2	77.4	74.0	69.7	76.5	77.5	76.2	73.2	70.9	76.3	80.0	79.7
75.3	76.8	79.0	77.5	71.7	61.4	73.7	75.1	76.1	77.7	75.1	78.7	80.4	79.1
80.9	79.6	79.8	80.7	73.2	63.4	76.0	74.5	76.6	76.7	73.5	81.7	82.2	80.8
74.6	75.6	75.0	76.6	70.7	65.1	73.0	78.9	77.5	71.4	69.6	78.7	81.7	82.3
80.1	78.3	79.6	81.6	75.9	51.2	72.8	75.5	74.0	67.6	63.7	75.7	83.1	83.9
75.7	75.9	76.3	76.5	70.2	57.9	72.0	72.7	74.5	67.8	63.5	73.8	80.5	79.9
75.2	75.6	75.1	74.2	73.8	73.4	76.8	77.7	76.1	76.0	75.3	73.5	79.1	78.8
67.6	70.1	71.6	76.4	68.0	54.5	67.5	71.2	66.9	62.7	64.1	75.5	83.2	80.5
78.1	77.4	77.2	74.8	66.8	47.9	70.4	53.6	80.3	55.1	32.1	77.9	98.2	91.7
75.9	79.2	79.8	82.1	72.4	61.5	72.8	75.7	73.2	71.4	66.9	73.4	87.7	86.9
78.2	79.1	78.7	80.2	74.4	68.4	75.7	77.1	77.6	75.3	70.4	73.3	82.7	79.3
75.5	78.6	78.2	75.9	73.8	62.9	72.6	70.1	74.4	69.4	65.1	74.5	78.0	82.8
72.9	75.0	74.5	70.6	73.0	70.5	76.0	75.1	72.9	71.2	74.4	71.2	76.7	79.8
71.8	71.6	72.0	72.9	64.4	53.3	69.1	69.7	71.4	65.8	63.6	70.9	78.9	80.6
73.3	75.6	77.5	76.5	69.0	60.3	70.5	72.2	72.2	65.4	64.6	72.8	78.2	76.4
76.2	75.8	75.5	75.5	72.2	61.9	74.7	74.5	75.5	69.7	66.2	72.9	80.7	79.3
80.1	77.6	78.5	79.4	68.8	46.5	71.4	72.9	77.8	64.9	55.2	77.9	82.6	81.6
79.8	79.6	78.5	76.0	76.0	60.2	68.8	73.4	72.8	73.1	69.4	72.4	78.1	82.0
75.1	77.4	76.0	76.6	72.0	65.9	77.0	75.6	75.0	71.8	68.1	72.8	75.9	75.9
71.5	72.4	74.6	78.7	73.7	66.0	75.6	75.3	76.0	71.5	66.4	74.8	82.3	76.1

3b Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik - Suku Tahunan
Manufacturing Industry Capacity Utilisation by Export-Oriented Industry and Import-Oriented Industry – Quarterly

Bil. No.	Kod Codes	Keterangan Description	2022	2023			2024					
			Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
1.	C	PEMBUATAN MANUFACTURING	81.3	80.2	79.8	78.3	79.4	79.9	80.8	82.1	82.4	
		Industri Berorientasikan Eksport Export-Oriented Industries	81.2	80.5	79.3	77.4	78.4	78.5	79.5	81.3	81.8	
	1.1	104	Pembuatan minyak dan lemak daripada sayuran dan haiwan Manufacture of vegetable and animal oils and fats	69.1	70.3	65.9	70.1	76.6	76.4	70.5	75.4	79.4
	1.2	13	Pembuatan tekstil Manufacture of textiles	87.7	84.6	74.9	78.4	76.8	77.2	79.8	83.2	83.3
	1.3	14	Pembuatan pakaian Manufacture of wearing apparel	74.2	70.6	78.5	81.7	82.2	83.3	78.8	82.0	82.7
	1.4	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	73.5	70.8	68.4	69.0	71.8	72.4	72.4	74.8	76.6
	1.5	19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	81.6	85.7	82.2	73.4	74.2	76.1	84.2	81.6	80.0
	1.6	20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical product	79.9	79.5	80.0	81.2	82.2	80.0	80.0	82.6	84.4
	1.7	221	Pembuatan produk getah Manufacture of rubber products	77.6	76.5	77.5	78.2	77.9	76.6	82.5	81.9	83.3
	1.8	222	Pembuatan produk plastik Manufacture of plastic products	81.4	80.7	80.4	78.6	79.6	80.4	79.6	80.7	82.3
	1.9	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	81.7	79.2	78.4	79.1	79.0	78.5	77.3	81.1	81.3
	1.10	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	85.2	82.9	81.0	78.0	81.5	81.0	80.8	82.4	82.7
	1.11	28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	83.1	79.8	79.9	84.5	84.4	84.3	83.7	88.5	87.7
1.12	31	Pembuatan perabot Manufacture of furniture	85.1	83.0	80.3	79.3	78.1	87.3	88.0	85.8	83.6	
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	81.4	79.5	80.9	80.3	81.7	82.9	83.6	83.7	83.8	
2.1	10 (Kecuali 104)	Pembuatan produk prosesan makanan Manufacture of food processing products	83.9	81.9	83.8	80.6	83.2	83.0	83.3	83.5	84.9	
2.2	11	Pembuatan minuman Manufacture of beverages	81.8	80.7	77.9	80.4	80.2	81.8	81.1	81.9	80.6	
2.3	12	Pembuatan produk tembakau Manufacture of tobacco products	68.8	77.8	93.6	89.5	84.4	89.8	94.8	94.7	88.4	
2.4	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	92.4	92.8	86.1	79.9	80.1	82.1	87.7	84.4	83.1	
2.5	17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	78.4	76.6	77.3	76.6	77.7	78.9	78.1	77.1	78.4	
2.6	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	84.5	82.8	81.5	83.2	83.4	84.8	84.1	85.0	85.2	
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical, medicinal chemical and botanical products	86.4	77.0	82.8	82.7	83.3	83.2	85.2	85.6	86.2	
2.8	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	81.8	79.1	77.4	80.5	83.4	85.7	85.5	83.6	85.7	
2.9	24	Pembuatan logam asas Manufacture of basic metals	78.6	75.7	78.4	77.9	79.0	80.3	79.1	78.8	79.7	
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	79.5	80.9	80.6	79.7	81.7	83.1	83.2	83.7	84.4	
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	86.3	81.3	86.1	82.1	81.6	81.3	86.1	88.3	84.6	
2.12	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	82.3	82.8	80.0	78.8	79.8	83.0	84.1	83.4	83.7	
2.13	32	Pembuatan lain Other manufacturing	77.9	77.8	80.6	79.1	81.5	82.7	82.1	82.0	81.9	
2.14	33	Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	80.2	75.7	82.8	78.9	82.4	84.5	84.8	83.6	84.8	

3c Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik - Bulanan
Manufacturing Industry Capacity Utilisation by Export-Oriented Industry and Import-Oriented Industry – Monthly

Bil. No.	Kod Codes	Keterangan Description	2017								
			Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
1.	C	PEMBUATAN MANUFACTURING	79.4	78.5	79.3	76.3	78.0	78.7	80.1	80.3	79.8
		Industri Berorientasikan Eksport Export-Oriented Industries	81.1	80.7	81.3	77.5	79.4	81.0	82.0	82.7	82.7
	1.1	104 Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	65.7	66.9	72.1	81.5	79.5	76.1	77.7	77.8	78.6
	1.2	13 Pembuatan tekstil <i>Manufacture of textiles</i>	70.9	73.7	77.1	68.1	66.1	62.8	65.3	75.3	79.4
	1.3	14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	84.7	79.7	84.7	84.6	83.7	75.4	85.0	85.5	85.4
	1.4	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>	76.0	74.0	75.4	75.2	75.5	71.0	74.9	75.0	73.7
	1.5	19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	90.0	89.4	86.2	76.1	81.8	90.7	90.8	88.3	84.4
	1.6	20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	79.4	77.2	77.9	75.7	75.5	81.1	78.9	78.5	80.9
	1.7	221 Pembuatan produk getah <i>Manufacture of rubber products</i>	82.1	82.1	82.9	82.3	80.9	81.5	82.6	82.4	81.9
	1.8	222 Pembuatan produk plastik <i>Manufacture of plastic products</i>	75.7	75.9	77.5	76.6	76.6	77.3	78.9	80.2	79.2
	1.9	26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	78.5	79.0	81.0	78.2	80.1	78.9	80.5	83.1	84.9
	1.10	27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	80.2	79.4	79.6	80.6	81.2	79.3	83.2	82.8	81.4
	1.11	28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	78.3	76.2	79.3	78.2	77.2	73.1	74.4	75.1	73.8
	1.12	31 Pembuatan perabot <i>Manufacture of furniture</i>	81.7	80.9	83.6	79.2	82.0	79.5	79.8	82.3	81.6
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	75.2	73.1	74.3	73.4	74.6	72.8	75.3	74.3	72.7
	2.1	10 (Kecuali 104) Pembuatan produk prosesan makanan <i>Manufacture of food processing products</i>	77.1	76.8	76.0	78.0	78.0	76.3	75.6	76.3	76.0
	2.2	11 Pembuatan minuman <i>Manufacture of beverages</i>	69.6	61.4	62.7	64.1	74.8	68.6	76.0	72.5	69.2
	2.3	12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	70.9	84.5	84.6	84.3	75.7	75.6	80.1	71.0	80.5
	2.4	15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	83.9	82.3	84.8	82.7	80.9	80.4	79.8	81.4	77.7
	2.5	17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	77.6	77.1	78.3	79.1	80.3	74.9	80.1	77.0	77.2
	2.6	18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	74.6	74.5	74.5	82.5	75.8	78.8	78.5	82.6	76.3
	2.7	21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	72.9	64.3	70.6	74.2	69.0	70.4	72.0	73.4	72.2
	2.8	23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	76.3	72.8	71.5	72.6	70.6	71.6	71.4	71.7	70.7
	2.9	24 Pembuatan logam asas <i>Manufacture of basic metals</i>	78.9	74.4	81.7	75.8	77.7	71.6	80.1	81.7	75.2
	2.10	25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	72.2	73.9	73.7	73.2	74.7	72.0	74.3	73.4	72.4
	2.11	29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	71.3	68.3	70.8	66.8	72.2	73.4	72.2	67.7	67.0
	2.12	30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	84.6	81.9	73.0	76.9	75.3	70.2	77.3	76.9	79.1
	2.13	32 Pembuatan lain <i>Other manufacturing</i>	80.9	74.2	77.7	76.0	75.5	77.0	76.2	78.5	77.8
	2.14	33 Membaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	75.4	76.7	76.6	77.4	79.7	77.6	78.3	78.7	77.3

3c Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik - Bulanan
Manufacturing Industry Capacity Utilisation by Export-Oriented Industry and Import-Oriented Industry – Monthly

Bil. No.	Kod Codes	Keterangan Description	2017		2018						
			Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
	C	PEMBUATAN MANUFACTURING	79.7	80.4	79.9	80.2	77.7	81.1	79.7	80.0	78.6
1.		Industri Berorientasikan Eksport Export-Oriented Industries	82.5	82.3	81.7	81.4	79.3	82.8	80.8	81.2	80.0
1.1	104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	81.8	75.3	79.4	80.6	69.5	80.3	81.0	76.0	69.7
1.2	13	Pembuatan tekstil <i>Manufacture of textiles</i>	74.9	68.5	73.9	69.0	61.5	62.2	69.5	69.5	87.9
1.3	14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	86.7	87.0	88.4	87.6	85.6	88.9	88.0	88.3	86.0
1.4	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>	77.4	75.7	76.9	76.1	70.2	77.1	75.6	75.4	73.2
1.5	19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	87.2	89.5	88.5	88.6	84.1	84.8	86.2	85.2	86.4
1.6	20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	81.5	77.9	79.1	84.2	84.4	83.4	80.2	83.3	79.4
1.7	221	Pembuatan produk getah <i>Manufacture of rubber products</i>	83.5	82.9	82.8	82.3	79.8	81.7	79.9	79.6	78.6
1.8	222	Pembuatan produk plastik <i>Manufacture of plastic products</i>	78.5	78.3	77.3	78.2	77.1	78.1	78.9	77.6	76.0
1.9	26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	82.2	81.9	80.5	77.7	76.4	83.5	78.9	79.9	78.2
1.10	27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	82.1	81.2	80.4	81.7	80.2	82.0	83.3	82.2	80.5
1.11	28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	74.8	76.2	75.4	77.8	77.3	82.5	79.0	76.7	73.5
1.12	31	Pembuatan perabot <i>Manufacture of furniture</i>	81.8	83.2	81.6	80.5	78.6	80.6	79.5	80.7	80.4
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	72.8	75.9	75.6	77.4	73.5	76.9	77.1	77.1	75.2
2.1	10 (Kecuali 104)	Pembuatan produk proses makanan <i>Manufacture of food processing products</i>	77.8	75.4	74.6	75.4	72.6	78.7	78.5	74.2	73.7
2.2	11	Pembuatan minuman <i>Manufacture of beverages</i>	60.9	65.1	62.2	68.0	56.0	67.8	76.1	75.2	67.7
2.3	12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	53.6	53.0	62.1	56.1	67.2	63.8	65.6	66.4	66.7
2.4	15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	79.5	78.8	79.5	80.5	78.4	83.0	83.2	82.7	85.7
2.5	17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	79.0	79.5	78.0	83.1	79.2	81.2	81.9	81.4	78.9
2.6	18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	77.0	75.4	73.7	72.6	72.5	79.6	76.5	81.1	79.9
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	76.0	79.9	73.7	75.6	73.8	75.0	72.2	71.8	74.6
2.8	23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	72.6	74.2	72.5	74.2	69.6	74.5	73.8	72.7	70.7
2.9	24	Pembuatan logam asas <i>Manufacture of basic metals</i>	78.9	79.6	78.5	78.7	73.7	79.9	78.8	77.7	73.4
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	74.5	74.8	76.6	78.0	75.4	77.8	77.7	76.6	75.9
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	64.1	76.3	76.7	79.9	74.3	79.6	80.9	80.6	80.3
2.12	30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	77.9	80.0	79.5	79.9	77.8	67.8	68.5	77.6	72.8
2.13	32	Pembuatan lain <i>Other manufacturing</i>	75.7	74.0	75.4	77.0	73.4	72.4	74.7	74.5	71.8
2.14	33	Mbaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	79.5	80.0	77.5	79.6	78.8	78.3	75.5	75.1	75.7

2019															
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.
80.7	78.9	77.8	78.1	78.3	78.5	76.6	75.8	76.1	77.0	78.2	77.9	79.4	78.4	78.4	78.8
81.7	80.0	79.6	78.7	79.2	79.6	76.8	76.2	76.0	76.8	78.8	79.5	80.5	79.4	79.4	79.4
78.8	79.5	77.5	85.9	84.1	81.6	67.7	80.1	70.9	71.7	79.2	70.3	71.3	71.6	71.8	68.6
69.1	69.9	66.0	70.9	65.7	68.3	69.8	68.4	69.9	69.9	67.9	68.1	69.2	69.2	69.0	69.9
89.1	87.4	85.8	88.3	86.2	87.9	86.5	82.1	87.1	86.7	88.3	86.0	89.1	87.6	86.1	86.6
76.3	76.1	76.0	76.1	76.1	76.5	76.5	71.6	76.4	76.7	74.6	72.0	72.9	74.4	72.5	74.5
85.8	79.6	80.0	76.4	87.0	88.2	73.8	77.4	71.9	72.8	80.0	86.5	83.4	82.4	84.8	81.6
	81.7	81.6	82.2	82.2	81.6	79.3	82.0	77.9	80.7	83.8	82.0	81.1	79.0	81.7	81.4
	80.2	80.0	79.8	80.6	79.4	79.6	79.9	79.1	79.6	79.0	80.4	80.4	80.6	81.2	79.7
	80.1	78.9	76.3	77.6	75.8	76.3	76.5	73.6	76.0	78.1	78.2	74.9	77.4	76.0	75.4
	81.0	80.8	80.1	78.8	75.5	75.5	76.5	73.6	75.8	76.4	76.8	77.1	80.4	79.2	77.3
	79.9	79.3	79.3	81.0	79.2	79.1	81.2	80.1	81.4	81.1	80.9	76.8	79.9	79.5	80.1
	76.6	74.8	75.5	75.7	73.1	74.3	74.0	73.2	76.7	76.7	75.6	74.7	76.1	74.0	75.1
	80.5	79.7	78.8	80.1	80.3	80.3	81.5	78.0	80.7	78.3	78.3	78.3	80.2	79.2	79.4
	78.1	76.2	73.6	76.7	75.9	75.8	76.1	74.7	76.4	77.4	76.5	73.7	76.8	76.1	75.9
	72.9	72.8	75.9	77.5	76.0	76.0	74.3	74.3	77.1	77.4	76.2	73.2	75.6	74.4	75.1
	81.7	80.7	68.6	74.8	69.7	76.0	74.3	63.4	65.2	71.6	72.7	66.1	68.8	72.6	73.5
66.8	66.0	67.0	66.0	65.5	66.4	77.6	77.3	79.2	90.0	69.8	72.5	74.4	80.9	76.4	77.4
86.4	84.0	80.0	80.0	79.5	78.5	74.5	75.0	78.1	79.8	80.0	77.9	79.8	80.3	79.1	82.1
81.6	81.6	80.5	81.6	79.8	80.8	78.9	75.8	79.9	80.4	81.5	75.4	79.2	78.1	78.8	79.7
81.3	80.2	74.6	74.8	69.7	74.0	75.1	75.4	76.0	80.0	77.8	78.2	77.6	80.5	76.6	74.1
79.5	75.9	72.6	75.4	73.1	75.4	75.8	71.7	71.4	76.1	75.4	73.6	76.1	75.7	71.9	72.3
74.4	73.8	73.2	72.9	72.3	71.0	72.6	69.1	73.5	73.9	72.2	68.8	73.4	72.6	70.0	73.1
	79.6	77.2	76.1	79.3	73.7	77.6	74.6	70.1	77.4	77.9	71.5	77.2	78.3	76.9	78.5
	77.0	77.5	77.2	78.0	77.3	76.8	78.2	74.2	76.2	77.6	75.4	74.5	76.1	75.2	75.0
	82.6	73.9	67.7	78.0	80.7	76.1	76.2	83.8	80.5	77.8	77.8	77.2	79.4	76.8	79.4
	71.3	76.0	72.1	73.8	79.3	80.4	80.9	78.1	80.4	80.8	81.0	76.9	81.1	77.9	76.7
	71.9	75.6	71.6	73.9	76.3	73.4	79.5	71.1	74.8	78.0	78.9	75.3	75.7	75.4	77.0
	77.5	76.4	76.0	74.5	68.9	73.5	69.8	73.0	71.7	72.5	72.6	72.0	74.8	73.7	75.2

3c Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik - Bulanan
Manufacturing Industry Capacity Utilisation by Export-Oriented Industry and Import-Oriented Industry – Monthly

Bil. No.	Kod Codes	Keterangan Description	2019	2020							
			Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
1.	C	PEMBUATAN MANUFACTURING	79.1	78.4	74.6	74.7	64.4	47.7	63.9	70.9	72.2
		Industri Berorientasikan Eksport Export-Oriented Industries	79.9	79.7	74.6	75.3	65.0	48.9	65.3	71.7	72.5
	1.1	104 Pembuatan minyak dan lemak daripada sayuran dan haiwan Manufacture of vegetable and animal oils and fats	66.4	65.4	65.7	68.6	80.8	76.8	79.8	79.6	76.0
	1.2	13 Pembuatan tekstil Manufacture of textiles	69.9	68.2	76.0	74.4	64.8	39.0	56.1	67.3	68.4
	1.3	14 Pembuatan pakaian Manufacture of wearing apparel	87.5	90.8	78.4	79.9	69.1	52.4	59.7	70.3	68.9
	1.4	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	72.8	71.7	70.9	71.5	59.6	55.0	61.6	70.6	70.0
	1.5	19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	85.6	83.8	67.5	69.2	60.3	32.0	54.2	66.6	65.3
	1.6	20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical product	82.6	81.4	78.1	79.3	70.8	62.8	76.5	75.6	77.9
	1.7	221 Pembuatan produk getah Manufacture of rubber products	81.2	81.6	82.7	82.4	77.7	80.1	78.1	81.7	82.8
	1.8	222 Pembuatan produk plastik Manufacture of plastic products	77.9	77.5	78.2	76.4	67.3	61.2	71.5	76.6	77.1
	1.9	26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	76.6	77.8	75.0	76.1	64.2	47.9	65.1	71.3	72.7
	1.10	27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	80.8	79.8	78.9	77.3	63.3	49.1	69.4	71.8	75.5
	1.11	28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	77.0	76.3	76.2	74.5	61.4	52.6	68.9	73.7	73.3
	1.12	31 Pembuatan perabot Manufacture of furniture	81.3	82.3	80.1	79.1	68.6	29.7	57.4	66.6	69.2
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	77.1	75.4	74.4	73.3	62.9	44.2	60.3	69.1	71.5
2.1	10 (Kecuali 104)	Pembuatan produk prosesan makanan Manufacture of food processing products	74.1	75.3	76.1	75.2	70.0	68.5	74.0	77.7	74.5
2.2	11	Pembuatan minuman Manufacture of beverages	76.2	77.1	71.4	73.6	58.9	49.8	50.9	62.9	65.0
2.3	12	Pembuatan produk tembakau Manufacture of tobacco products	75.6	71.5	73.9	72.5	54.0	1.6	73.6	68.6	76.0
2.4	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	80.6	83.4	79.0	76.5	61.6	44.0	67.8	72.7	73.9
2.5	17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	81.2	79.7	78.5	78.6	66.1	61.8	68.1	75.2	75.9
2.6	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	77.0	76.6	73.6	76.4	71.4	47.3	64.9	76.4	75.3
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical, medicinal chemical and botanical products	72.1	67.5	76.2	73.5	69.2	69.4	68.6	73.6	73.4
2.8	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	72.5	73.0	71.4	66.8	55.1	40.2	57.4	62.5	68.7
2.9	24	Pembuatan logam asas Manufacture of basic metals	76.3	74.7	74.9	72.5	59.5	49.3	62.7	68.8	71.9
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	75.6	75.9	75.6	76.7	64.2	49.2	65.0	71.3	74.5
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	80.7	75.3	71.4	70.3	64.8	24.7	49.1	65.6	69.3
2.12	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	76.6	76.3	80.1	79.0	68.8	47.1	61.4	72.1	66.8
2.13	32	Pembuatan lain Other manufacturing	78.8	75.7	77.8	75.2	62.9	56.5	67.3	73.9	74.7
2.14	33	Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	83.8	77.4	77.8	74.5	68.9	51.3	66.7	79.8	72.0

2021															
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
72.4	74.4	75.1	72.8	74.5	76.5	75.8	77.7	76.9	76.1	70.0	67.6	68.5	72.7	74.5	75.2
72.9	74.8	75.9	73.2	75.0	77.2	77.3	78.2	77.5	77.7	75.4	72.2	70.8	73.1	74.3	75.9
69.0	69.5	64.8	61.9	60.5	68.9	69.0	82.2	81.7	70.6	77.5	81.4	79.1	81.6	71.9	69.2
68.2	68.3	68.3	68.8	69.0	75.3	81.9	77.9	80.5	76.6	70.0	70.3	64.9	69.6	71.9	72.5
72.9	74.4	75.0	73.4	76.0	80.4	76.7	78.4	79.5	78.9	70.7	69.2	71.4	71.9	77.3	79.7
70.1	70.9	69.6	70.5	70.4	68.5	68.5	69.9	69.6	70.7	64.7	63.8	67.3	68.6	73.6	72.6
66.6	69.2	73.4	62.6	69.0	78.8	79.2	78.0	78.0	79.1	74.7	74.3	64.5	53.8	57.3	64.6
76.2	79.8	80.8	80.3	77.4	82.9	82.5	80.0	78.2	82.2	76.1	76.6	75.9	82.3	81.6	83.4
82.9	83.1	83.5	83.7	84.4	81.7	79.2	82.9	82.3	81.6	77.6	73.5	71.2	76.0	79.5	82.1
75.7	76.8	77.4	77.2	77.8	75.4	75.8	77.3	75.8	72.8	70.9	67.6	70.0	75.2	78.0	75.9
73.4	75.1	75.1	74.3	75.9	75.1	75.5	77.7	77.2	76.7	79.3	73.3	72.7	79.4	78.6	77.5
75.5	76.8	75.1	74.2	74.2	75.4	75.5	79.0	79.0	78.1	73.0	68.3	73.6	78.6	81.3	83.2
72.5	73.1	78.9	77.9	79.8	76.7	76.2	79.5	76.8	73.8	63.6	57.7	74.0	77.0	78.8	80.3
73.3	75.9	76.0	74.8	75.8	74.7	73.2	74.2	72.9	69.8	59.9	59.5	61.5	70.0	74.8	75.7
71.1	73.5	72.8	71.9	73.5	74.9	72.0	76.6	75.2	72.1	56.1	56.1	62.5	71.7	74.9	73.5
78.3	77.5	78.3	77.1	77.6	76.2	73.6	78.3	76.4	75.3	76.2	76.0	74.9	74.9	74.3	71.8
66.6	71.0	72.0	70.2	71.2	69.6	61.9	69.1	68.4	61.6	58.0	57.3	61.1	74.0	74.3	78.3
73.2	62.1	53.4	52.1	55.4	78.4	81.1	81.4	76.3	79.3	9.7	8.8	9.9	77.6	80.8	81.0
71.9	72.7	71.8	77.2	78.0	73.1	72.1	74.4	75.3	73.3	65.5	65.2	61.7	73.6	73.9	74.1
74.5	76.6	77.2	77.0	77.0	79.7	75.1	78.1	76.8	75.5	73.7	70.8	68.4	71.9	70.7	73.7
71.1	71.3	70.8	69.5	70.0	72.5	73.6	77.1	73.8	68.9	65.6	62.4	65.9	67.2	75.1	74.1
77.1	77.6	76.0	72.0	77.5	72.1	74.1	72.4	75.0	69.8	68.9	72.3	74.3	76.7	69.8	72.4
69.5	69.1	69.8	68.7	70.7	70.0	70.2	73.9	74.0	68.7	54.8	58.8	63.5	68.5	70.8	70.0
67.3	72.4	71.5	70.3	74.7	73.7	68.9	73.9	73.7	67.9	54.6	57.2	62.6	74.1	74.8	73.3
72.5	77.3	74.2	74.1	75.1	76.1	73.3	77.2	76.0	71.0	62.1	63.4	66.0	69.3	72.6	72.6
71.9	73.0	72.8	72.1	73.7	77.5	74.4	81.6	77.2	78.9	38.6	37.0	54.7	73.8	82.8	75.6
66.9	72.8	77.6	72.0	70.6	73.6	68.4	76.6	76.5	74.5	68.4	62.1	71.8	74.4	71.7	74.2
78.2	78.2	75.2	75.0	76.5	76.1	73.9	75.1	74.6	72.1	68.8	68.3	67.4	68.6	72.4	73.4
78.2	76.4	74.9	75.9	75.3	80.2	75.6	72.3	74.0	72.7	67.7	59.7	67.4	72.1	76.2	73.2

3c Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik - Bulanan
Manufacturing Industry Capacity Utilisation by Export-Oriented Industry and Import-Oriented Industry – Monthly

Bil. No.	Kod Codes	Keterangan Description	2021	2022							
			Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
	C	PEMBUATAN MANUFACTURING	75.7	81.3	80.2	81.7	80.4	77.4	79.1	80.9	81.2
1.		Industri Berorientasikan Eksport Export-Oriented Industries	76.8	81.6	80.8	81.5	80.8	76.8	78.2	80.8	80.9
1.1	104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	65.3	66.2	62.6	65.1	59.1	69.6	68.7	67.9	70.5
1.2	13	Pembuatan tekstil <i>Manufacture of textiles</i>	72.8	88.1	84.8	86.8	84.5	80.7	83.8	85.8	86.1
1.3	14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	80.5	73.1	70.8	76.0	78.5	80.8	75.8	77.5	72.0
1.4	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>	69.0	71.8	70.7	75.3	73.8	72.2	74.4	71.8	75.2
1.5	19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	67.7	85.7	90.8	76.8	86.4	71.6	66.2	79.8	80.1
1.6	20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	80.8	81.1	77.7	84.3	82.1	79.7	78.5	80.8	82.5
1.7	221	Pembuatan produk getah <i>Manufacture of rubber products</i>	81.7	83.3	80.4	82.6	83.0	80.4	80.7	77.3	78.9
1.8	222	Pembuatan produk plastik <i>Manufacture of plastic products</i>	74.9	80.6	77.9	81.5	79.7	78.5	80.9	80.7	81.1
1.9	26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	80.1	79.9	78.5	82.8	77.1	77.4	82.8	81.4	80.3
1.10	27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	80.5	83.3	78.1	85.2	81.5	78.1	82.7	85.8	86.2
1.11	28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	77.0	82.7	79.0	83.4	84.5	79.4	83.1	84.5	84.6
1.12	31	Pembuatan perabot <i>Manufacture of furniture</i>	76.7	83.9	80.4	85.2	84.7	81.9	85.0	85.1	85.8
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	73.1	80.6	78.8	82.1	79.3	79.0	81.3	81.1	81.9
2.1	10 (Kecuali 104)	Pembuatan produk proses makanan <i>Manufacture of food processing products</i>	74.3	82.4	73.6	81.2	71.3	81.6	83.6	84.7	84.8
2.2	11	Pembuatan minuman <i>Manufacture of beverages</i>	73.8	87.9	80.5	81.1	81.1	80.8	79.5	82.6	82.4
2.3	12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	72.0	97.9	99.1	97.7	79.1	99.3	96.8	74.3	54.6
2.4	15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	72.1	90.0	83.9	89.2	85.0	82.9	92.7	90.7	94.3
2.5	17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	75.5	83.6	80.0	84.5	80.3	76.8	80.9	79.5	78.1
2.6	18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	74.4	75.9	77.3	80.9	81.8	80.7	85.9	83.3	85.2
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	71.3	78.6	71.1	80.4	78.5	76.3	84.6	86.7	88.2
2.8	23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	71.9	82.3	76.6	77.7	81.2	79.1	81.4	82.7	82.0
2.9	24	Pembuatan logam asas <i>Manufacture of basic metals</i>	70.2	80.2	74.1	80.2	77.8	74.2	77.2	79.9	79.1
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	73.5	81.4	78.1	82.6	81.8	76.1	79.9	80.2	78.9
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	75.3	77.7	85.2	85.0	80.3	82.2	82.5	81.2	87.4
2.12	30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	71.3	77.0	75.0	82.3	79.7	82.0	84.3	84.9	88.9
2.13	32	Pembuatan lain <i>Other manufacturing</i>	72.7	78.9	72.6	76.2	70.1	79.1	78.4	77.7	78.4
2.14	33	Mbaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	74.9	81.6	80.9	84.4	59.4	84.6	84.3	78.3	81.4

2023															
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
81.7	80.1	80.4	80.2	79.3	79.2	80.8	76.5	79.2	79.2	78.6	79.6	80.1	80.4	80.1	79.2
81.9	80.0	80.3	81.1	79.5	78.5	80.0	75.6	78.1	78.4	77.6	78.5	78.9	79.3	78.7	77.4
68.7	71.6	74.1	65.2	64.8	67.3	65.7	66.1	72.8	71.4	74.6	75.7	79.5	78.0	76.9	74.3
91.4	85.4	84.7	83.6	69.9	75.7	79.0	76.8	78.1	80.2	76.6	77.0	76.9	77.1	77.3	77.1
73.2	68.8	69.5	73.6	78.6	73.7	83.1	81.6	81.4	82.2	81.1	82.4	83.1	84.0	84.4	81.5
73.4	72.6	70.0	69.7	67.9	68.3	68.9	67.7	70.4	68.9	69.9	72.8	72.8	72.4	72.5	72.2
85.0	84.7	86.4	85.9	85.9	79.4	81.4	72.8	73.5	74.0	74.4	74.6	73.5	77.1	75.9	75.3
	76.4	81.2	80.0	77.4	79.7	80.4	79.9	79.3	82.0	82.4	82.3	83.1	81.1	80.8	79.2
	76.5	78.3	76.4	74.7	77.0	76.3	79.1	75.7	78.6	80.4	77.7	78.0	77.8	76.0	75.5
	82.5	81.9	80.0	80.3	79.9	80.4	80.9	76.8	80.2	78.9	79.0	80.2	79.5	80.9	79.5
	83.3	77.7	78.5	81.5	77.9	78.2	79.3	77.0	79.6	80.8	77.9	78.3	80.7	79.7	79.5
	83.5	81.4	81.7	85.6	79.3	81.1	82.4	74.9	78.9	80.1	79.2	82.5	82.9	82.6	78.0
	80.4	77.6	80.4	81.4	77.6	78.6	83.5	84.0	85.9	83.6	82.7	86.1	84.4	83.4	84.9
	84.5	85.7	82.8	80.6	78.4	79.7	82.7	79.8	80.2	78.0	77.2	78.5	78.6	86.1	87.5
	81.3	80.2	80.5	77.8	78.8	80.9	83.1	78.6	81.5	80.8	80.5	81.9	82.6	82.6	83.1
	82.3	82.2	80.8	82.7	84.5	82.0	84.9	79.2	81.5	81.2	81.9	83.3	84.2	83.1	82.9
80.4	79.9	78.8	83.5	79.0	77.3	77.3	78.3	82.9	80.0	80.1	80.2	80.5	80.6	82.1	82.8
77.6	77.5	56.5	99.6	92.7	91.5	96.8	93.4	92.8	82.3	82.0	81.7	89.4	89.7	90.1	89.7
92.3	92.1	92.9	93.3	91.0	83.1	84.2	75.7	80.4	83.6	79.1	79.2	81.9	80.7	81.1	84.6
77.6	77.9	75.4	76.5	74.6	77.3	79.9	76.6	75.6	77.6	77.0	77.4	78.6	78.5	79.4	79.0
85.0	82.2	83.5	82.6	81.3	82.6	80.6	82.7	83.8	83.2	82.9	83.4	83.9	83.5	84.5	86.3
84.2	82.2	79.2	69.5	79.6	85.8	83.1	82.2	84.2	81.6	81.2	83.5	85.1	82.6	82.5	84.5
80.7	80.0	78.7	78.7	73.3	78.4	80.4	80.4	79.5	81.7	81.4	83.8	84.8	85.1	85.9	86.0
76.7	75.8	77.2	74.0	73.9	78.7	82.5	78.5	77.9	77.3	76.9	79.5	80.5	80.1	81.3	79.6
79.4	81.5	81.0	80.2	80.0	80.2	81.6	77.4	80.7	81.1	80.9	81.9	82.3	82.9	83.0	83.4
90.4	83.7	87.7	72.6	83.4	85.9	89.0	74.8	88.6	82.9	81.2	82.7	81.0	81.3	81.6	81.1
73.2	79.8	77.0	91.6	79.6	79.9	80.3	80.2	76.6	79.6	77.8	79.4	82.2	82.1	83.4	83.4
77.6	76.9	77.2	79.4	80.2	78.8	82.7	76.7	81.5	79.1	81.2	81.1	82.3	82.7	83.0	82.4
81.0	76.1	82.6	68.3	82.5	81.9	83.9	78.0	77.9	80.8	82.9	81.7	82.7	85.1	85.8	82.4

3c Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik - Bulanan

Manufacturing Industry Capacity Utilisation by Export-Oriented Industry and Import-Oriented Industry – Monthly

Bil. No.	Kod Codes	Keterangan Description	2024								
			Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
1.	C	PEMBUATAN MANUFACTURING	80.9	79.8	81.7	80.3	82.7	83.2	82.2	82.8	82.3
		Industri Berorientasikan Eksport Export-Oriented Industries	79.3	78.3	80.9	78.6	82.0	83.2	81.6	82.1	81.6
	1.1	104Pembuatan minyak dan lemak daripada sayuran dan haiwan Manufacture of vegetable and animal oils and fats	71.9	68.6	71.1	70.5	77.4	78.1	79.0	79.7	79.6
	1.2	13Pembuatan tekstil Manufacture of textiles	77.2	80.1	82.1	80.0	84.2	85.3	82.5	83.2	84.1
	1.3	14Pembuatan pakaian Manufacture of wearing apparel	78.7	72.9	84.6	82.3	81.8	82.0	82.4	82.6	83.2
	1.4	16Pembuatan 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	71.2	71.9	73.9	70.7	76.6	77.1	77.4	76.0	76.3
	1.5	19Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	84.4	84.0	84.3	80.2	81.4	83.1	80.2	79.9	79.8
	1.6	20Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical product	80.2	77.9	81.8	80.7	82.4	84.6	84.5	85.5	83.3
	1.7	221Pembuatan produk getah Manufacture of rubber products	83.1	80.8	83.5	81.3	80.9	83.4	83.8	84.3	81.8
	1.8	222Pembuatan produk plastik Manufacture of plastic products	81.4	78.9	78.5	78.0	81.3	82.7	83.7	82.8	80.4
	1.9	26Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	76.2	76.1	79.5	76.7	82.8	83.6	80.2	81.8	82.0
	1.10	27Pembuatan kelengkapan elektrik Manufacture of electrical equipment	79.9	79.5	83.1	81.4	82.8	83.1	82.5	82.7	83.0
	1.11	28Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	82.6	82.9	85.6	87.5	88.5	89.5	88.2	88.4	86.4
	1.12	31Pembuatan perabot Manufacture of furniture	89.0	86.2	88.9	86.3	86.4	84.8	82.8	84.2	83.9
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	84.3	83.0	83.6	83.7	84.1	83.2	83.6	84.3	83.6
2.1	10 (Kecuali 104)	Pembuatan produk proses makanan Manufacture of food processing products	84.1	82.6	83.2	83.6	83.8	83.2	84.8	84.9	85.1
2.2	11	Pembuatan minuman Manufacture of beverages	81.5	80.0	81.9	82.6	83.0	80.0	79.9	80.6	81.3
2.3	12	Pembuatan produk tembakau Manufacture of tobacco products	93.0	94.4	96.9	95.5	96.5	92.0	88.3	87.3	89.6
2.4	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	91.2	83.7	88.2	84.4	85.0	83.9	81.9	82.9	84.5
2.5	17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	78.9	78.1	77.3	77.3	75.9	78.0	78.2	78.4	78.5
2.6	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	84.1	83.8	84.3	85.6	85.2	84.3	84.9	85.1	85.6
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical, medicinal chemical and botanical products	83.6	86.1	86.1	84.8	84.7	87.2	87.9	85.3	85.5
2.8	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	86.3	84.9	85.4	84.2	82.6	83.9	85.4	85.8	86.0
2.9	24	Pembuatan logam asas Manufacture of basic metals	78.6	79.4	79.4	79.2	78.7	78.4	78.6	80.0	80.6
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	83.9	81.7	84.1	82.0	83.3	85.7	83.5	84.8	84.9
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	88.5	85.9	83.9	89.5	92.0	83.4	85.4	87.5	80.8
2.12	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	84.9	82.8	84.4	82.8	83.8	83.7	82.8	83.7	84.5
2.13	32	Pembuatan lain Other manufacturing	83.0	80.3	82.9	81.3	83.0	81.7	82.1	81.3	82.4
2.14	33	Mbaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	84.1	84.0	86.4	83.9	82.2	84.6	85.2	84.8	84.5

4a Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Tahunan
Manufacturing Industry Capacity Utilisation by State – Yearly

Negeri State	2017	2018	2019	2020	2021	2022	2023
Johor	77.3	79.6	78.6	71.3	74.0	81.2	80.7
Kedah	85.2	86.2	87.5	78.5	81.6	85.2	79.5
Kelantan	71.1	72.9	74.4	70.5	73.4	79.4	75.2
Melaka	90.3	91.1	75.2	56.9	70.9	83.2	82.7
Negeri Sembilan	77.0	73.9	76.7	69.7	70.4	84.8	83.4
Pahang	78.2	82.1	80.7	76.3	78.3	77.4	79.6
Pulau Pinang	79.5	79.1	77.6	72.0	75.0	76.8	77.3
Perak	71.4	70.6	70.8	70.4	72.6	76.3	77.6
Perlis	76.1	82.0	71.5	62.5	71.2	75.7	66.6
Selangor	75.9	75.7	75.8	68.9	72.5	81.3	81.4
Terengganu	86.3	86.1	91.5	78.7	84.7	80.4	79.5
Sabah	72.7	74.1	74.8	68.0	70.8	72.1	74.2
Sarawak	83.3	80.3	79.5	68.9	73.3	77.7	74.8
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	63.6	61.5	61.3	58.7	64.1	75.7	76.9
Wilayah Persekutuan Labuan	78.4	84.1	76.1	67.0	74.8	80.3	90.4
Malaysia	79.2	79.1	77.8	69.8	73.9	80.4	79.4

4b Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Suku Tahunan
Manufacturing Industry Capacity Utilisation by State – Quarterly

Negeri State	2017				2018			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Johor	76.4	75.8	79.2	78.0	79.6	80.2	79.5	79.1
Kedah	85.5	84.4	84.9	85.9	84.9	86.2	86.5	87.0
Kelantan	71.0	71.8	70.0	71.8	75.7	71.1	71.8	73.2
Melaka	89.8	87.6	91.8	92.3	91.0	92.2	91.2	90.1
Negeri Sembilan	77.8	76.1	78.1	75.9	77.9	78.3	68.0	71.4
Pahang	82.3	75.4	78.9	76.1	84.9	78.2	82.7	82.4
Pulau Pinang	78.2	76.5	81.2	81.9	79.6	78.9	80.2	77.6
Perak	72.1	69.2	71.1	73.2	71.1	70.4	71.6	69.4
Perlis	74.2	73.5	71.7	85.0	90.4	89.5	89.7	58.6
Selangor	75.0	76.0	76.9	75.9	75.9	76.2	76.4	74.5
Terengganu	91.1	86.0	81.4	86.6	87.5	83.6	84.6	88.6
Sabah	73.3	69.5	73.1	75.1	72.5	74.6	76.0	73.3
Sarawak	85.2	78.8	83.3	85.9	81.0	79.6	80.2	80.3
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	62.9	66.4	65.3	59.8	59.6	62.5	63.8	60.2
Wilayah Persekutuan Labuan	78.4	85.0	83.2	67.0	87.4	86.9	67.3	94.7
Malaysia	79.1	77.7	80.1	80.0	79.7	79.4	79.1	78.3

2019				2020				2021				2022	
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
78.8	78.6	77.9	79.0	72.7	61.4	74.8	76.3	75.8	73.0	69.6	77.7	81.1	80.9
87.9	87.3	87.1	87.5	77.4	74.3	80.8	81.6	82.4	81.6	78.7	83.6	84.8	85.6
73.8	76.1	74.9	73.0	69.5	65.5	73.4	73.7	74.5	72.2	70.9	75.8	83.5	78.9
63.4	74.2	81.7	81.5	53.4	47.0	62.5	64.9	83.8	77.5	62.9	59.6	87.0	70.5
78.8	78.2	76.9	72.9	73.5	61.9	71.6	71.7	72.2	70.4	67.4	71.8	86.8	85.7
79.3	78.1	80.8	84.3	76.0	70.8	80.0	78.5	79.7	73.5	76.9	83.0	78.2	79.7
76.8	77.0	78.3	78.4	73.1	63.8	74.2	77.0	77.7	75.2	72.4	74.5	77.6	76.2
69.5	70.2	71.3	72.1	71.4	67.5	71.6	71.4	72.1	70.3	72.9	75.2	78.6	75.2
71.8	71.1	71.7	71.5	65.0	41.5	66.2	77.3	73.9	71.8	68.0	71.3	77.5	77.5
73.9	75.3	77.4	76.5	71.3	58.2	73.1	73.1	73.5	72.0	67.8	76.6	80.8	80.7
88.6	94.5	90.7	92.2	85.9	69.2	79.4	80.2	86.4	85.7	81.5	85.3	72.8	81.7
74.2	75.3	73.8	75.9	68.3	61.1	73.9	68.7	70.6	70.1	68.9	73.7	72.4	74.8
79.6	79.1	78.7	80.8	70.5	58.9	71.6	74.6	78.3	76.1	65.0	73.8	82.6	75.6
60.7	61.9	61.5	61.1	61.0	56.1	59.8	57.7	65.2	62.7	61.0	67.3	76.8	75.1
64.0	91.1	85.7	63.6	70.7	59.9	68.1	69.4	73.9	77.9	82.7	64.9	93.7	58.2
76.1	77.7	78.8	78.7	71.2	60.8	73.0	74.1	76.7	74.3	69.6	75.1	81.1	79.0

4b Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Suku Tahunan
Manufacturing Industry Capacity Utilisation by State – Quarterly

Negeri State	2022		2023			2024			
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
Johor	81.9	80.9	80.7	79.0	81.6	81.5	80.9	83.3	84.4
Kedah	85.2	85.1	83.8	78.5	77.9	77.8	78.7	80.6	77.7
Kelantan	79.5	75.6	77.4	73.8	75.8	73.7	69.8	73.6	73.7
Melaka	87.9	87.4	81.4	82.6	85.3	81.3	80.0	83.5	85.2
Negeri Sembilan	84.5	82.2	82.0	82.0	86.0	83.6	85.0	84.4	85.7
Pahang	76.7	75.1	76.3	75.4	83.5	83.3	80.9	84.7	85.3
Pulau Pinang	78.0	75.4	76.8	76.0	76.8	79.5	78.4	80.1	81.1
Perak	74.2	77.2	77.1	76.8	77.1	79.4	77.8	79.2	80.7
Perlis	73.4	74.4	65.8	62.3	65.5	72.7	71.1	69.2	67.5
Selangor	83.1	80.6	79.7	81.6	82.4	82.0	83.0	84.6	85.3
Terengganu	82.3	84.7	78.8	85.8	80.6	72.7	81.9	84.8	85.8
Sabah	72.0	69.1	72.3	72.4	77.2	74.8	73.4	74.8	77.0
Sarawak	75.2	77.5	81.6	70.5	70.4	76.7	80.6	77.9	75.6
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	75.6	75.2	79.6	76.0	74.8	77.1	78.7	78.7	78.8
Wilayah Persekutuan Labuan	76.1	93.1	93.3	75.0	97.2	95.9	96.2	94.3	96.7
Malaysia	81.3	80.2	79.8	78.3	79.4	79.9	80.8	82.1	82.4

4c Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Bulanan
Manufacturing Industry Capacity Utilisation by State – Monthly

Negeri State	2017								
	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
Johor	79.1	74.1	75.9	75.6	76.0	75.6	78.8	79.7	79.2
Kedah	85.4	85.2	85.9	82.8	86.0	84.5	83.4	85.7	85.5
Kelantan	68.3	70.8	73.9	77.0	70.1	68.4	69.2	69.4	71.3
Melaka	92.0	88.1	89.2	82.0	90.3	90.4	92.2	92.7	90.4
Negeri Sembilan	78.7	77.4	77.2	76.4	74.8	77.1	78.7	77.6	78.1
Pahang	82.4	80.5	84.1	75.7	72.2	78.2	79.2	79.2	78.2
Pulau Pinang	77.5	77.8	79.4	75.9	77.9	75.9	78.6	82.2	82.8
Perak	72.2	71.3	72.7	69.4	68.3	69.8	71.1	70.0	72.2
Perlis	89.9	58.5	74.2	74.7	66.6	79.1	72.8	74.0	68.2
Selangor	74.8	74.4	75.7	74.2	77.7	76.0	77.6	76.7	76.5
Terengganu	91.2	90.9	91.1	86.2	82.1	89.8	81.0	78.8	84.5
Sabah	74.1	75.1	70.8	72.8	71.4	64.4	72.5	71.5	75.2
Sarawak	84.3	87.5	83.8	75.8	74.7	85.9	86.9	84.1	78.8
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	63.4	62.9	62.5	68.1	65.1	66.1	66.6	67.1	62.3
Wilayah Persekutuan Labuan	59.4	89.0	86.8	92.1	91.6	71.3	89.4	79.7	80.6
Malaysia	79.4	78.5	79.3	76.3	78.0	78.7	80.1	80.3	79.8

4c Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Bulanan

Manufacturing Industry Capacity Utilisation by State – Monthly

Negeri State	2017			2018					
	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
Johor	78.7	78.8	76.4	79.9	78.5	80.4	80.8	81.7	78.1
Kedah	85.0	86.2	86.5	82.8	84.5	87.4	86.3	86.2	86.0
Kelantan	72.6	75.0	67.7	73.4	75.6	78.0	71.9	69.4	72.1
Melaka	92.9	91.9	92.0	91.0	90.3	91.7	92.0	92.4	92.2
Negeri Sembilan	77.0	76.6	74.1	80.9	77.3	75.4	79.4	77.1	78.4
Pahang	77.9	73.9	76.7	84.8	84.0	86.0	75.2	77.4	82.1
Pulau Pinang	81.3	81.8	82.6	80.8	79.0	79.1	79.4	80.1	77.2
Perak	74.3	73.2	72.2	72.4	67.6	73.3	72.1	71.0	68.2
Perlis	85.3	85.2	84.3	90.4	90.3	90.4	90.1	89.8	88.6
Selangor	75.1	76.6	76.0	75.7	72.4	79.7	76.3	76.5	75.7
Terengganu	85.4	85.4	88.9	86.7	87.0	88.9	84.6	88.2	78.0
Sabah	76.4	74.6	74.2	73.3	69.3	75.0	75.3	74.6	73.7
Sarawak	83.7	87.6	86.3	84.1	76.9	82.0	80.0	79.3	79.5
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	60.0	59.4	59.8	62.0	55.1	61.9	61.2	61.6	64.9
Wilayah Persekutuan Labuan	72.7	67.9	60.4	93.1	91.6	77.6	87.9	89.5	83.4
Malaysia	79.7	80.4	79.9	80.2	77.7	81.1	79.7	80.0	78.6

2019															
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.
80.4	79.4	78.7	79.8	78.7	78.9	79.3	78.0	79.2	80.0	78.8	77.1	78.9	77.2	77.5	79.6
85.8	86.9	86.9	86.4	86.8	87.9	88.1	87.3	88.1	87.2	87.3	87.5	87.2	86.7	87.3	86.3
71.5	70.9	73.1	73.4	72.3	73.7	72.4	73.6	75.4	77.0	76.5	74.7	75.9	74.2	74.5	73.1
91.7	91.4	90.5	90.9	89.8	89.4	59.9	72.6	57.6	61.7	74.3	86.7	80.3	81.2	83.5	82.2
77.7	62.9	63.4	58.6	77.0	78.7	78.6	79.0	79.0	79.5	78.2	76.8	77.2	75.2	78.2	72.6
84.6	83.0	80.5	81.8	83.9	81.5	83.8	81.5	72.8	73.6	80.6	80.2	77.8	80.3	84.3	83.8
80.6	81.0	79.0	79.3	76.5	76.8	79.1	74.3	77.0	76.4	78.0	76.6	79.7	78.8	76.4	79.1
73.9	71.8	69.1	73.4	67.4	67.5	70.6	67.7	70.1	71.8	71.9	67.0	71.8	70.7	71.4	72.2
89.5	90.3	89.1	50.1	61.3	64.5	70.9	73.0	71.5	70.5	71.9	71.0	72.0	71.7	71.5	72.1
78.4	76.3	74.5	75.8	73.7	73.9	73.8	72.9	74.9	76.2	75.4	74.3	78.1	77.6	76.6	77.0
84.5	82.7	86.7	87.7	89.1	89.0	82.7	94.3	89.0	93.4	94.9	95.3	94.7	87.0	90.3	90.2
77.8	75.1	75.0	74.0	75.5	70.4	73.9	72.0	76.7	75.7	77.5	72.8	73.8	74.1	73.6	77.9
80.2	79.8	80.5	78.0	81.4	81.5	83.6	74.5	80.6	78.8	80.8	77.6	79.4	78.3	78.3	77.7
66.1	66.1	59.2	61.1	59.4	60.1	60.1	60.0	62.0	62.6	61.3	61.8	60.9	64.1	59.7	60.6
87.1	60.0	54.7	92.4	96.2	95.4	82.3	45.0	64.6	90.3	91.1	92.0	84.2	88.2	84.7	90.5
80.7	78.9	77.8	78.1	78.3	78.5	76.6	75.8	76.1	77.0	78.2	77.9	79.4	78.4	78.4	78.8

4c Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Bulanan

Manufacturing Industry Capacity Utilisation by State – Monthly

Negeri State	2019		2020						
	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
Johor	78.4	78.9	77.6	77.5	63.0	47.3	66.7	70.2	74.7
Kedah	87.8	88.5	77.4	78.7	76.0	65.7	76.5	80.5	80.8
Kelantan	72.8	73.2	72.7	75.2	60.6	56.9	68.8	70.8	74.5
Melaka	81.3	80.9	59.3	60.0	41.0	28.0	49.8	63.1	56.7
Negeri Sembilan	74.6	71.6	76.7	76.3	67.6	54.0	62.1	69.5	71.9
Pahang	85.3	83.9	77.9	77.6	72.5	62.7	72.1	77.7	80.5
Pulau Pinang	78.7	77.3	76.9	76.7	65.8	50.4	68.4	72.6	71.7
Perak	70.9	73.0	73.9	74.9	65.3	62.0	67.8	72.7	71.5
Perlis	71.1	71.2	73.0	72.5	49.6	16.5	49.7	58.1	62.9
Selangor	76.5	76.2	74.8	74.5	64.4	45.2	59.2	70.2	73.1
Terengganu	94.5	92.1	88.9	90.8	78.1	49.3	79.7	78.5	80.4
Sabah	79.0	70.6	73.1	73.3	58.5	40.8	67.2	75.2	74.8
Sarawak	83.0	81.8	71.0	71.8	68.5	45.6	61.9	69.1	71.9
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	61.9	60.8	63.6	62.0	57.6	47.0	58.3	63.1	62.0
Wilayah Persekutuan Labuan	42.3	58.0	59.7	68.4	84.2	35.8	82.2	61.9	45.1
Malaysia	79.1	78.4	74.6	74.7	64.4	47.7	63.9	70.9	72.2

2021															
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
73.3	76.3	76.7	75.8	76.5	75.5	74.2	77.7	77.2	74.8	66.9	66.9	67.6	74.5	76.8	77.6
79.9	81.6	81.2	81.4	82.2	81.6	82.2	83.6	82.2	81.1	81.3	76.2	76.8	83.0	82.7	84.1
73.9	71.7	73.2	73.0	75.0	73.6	71.4	78.6	77.0	72.5	67.2	68.3	70.3	74.1	76.2	75.0
62.9	67.8	73.1	58.5	62.9	83.2	84.4	83.7	83.2	82.5	66.8	67.6	62.0	59.0	59.3	58.7
70.4	72.4	71.7	72.4	70.9	72.8	70.0	73.7	73.5	71.6	65.9	64.6	66.9	70.7	72.7	71.2
79.2	80.2	84.8	77.7	72.9	84.6	82.3	72.1	70.8	76.1	73.6	76.0	74.2	80.6	85.6	81.7
73.7	77.3	76.6	77.0	77.4	79.0	76.0	78.1	78.3	75.3	72.0	72.6	70.7	74.0	75.2	73.9
71.8	71.4	71.5	70.0	72.6	71.0	72.2	73.3	74.7	72.2	64.0	71.6	72.7	74.6	78.1	70.9
65.9	70.0	73.6	76.9	81.2	73.6	74.3	73.9	72.2	71.6	71.5	64.3	73.2	66.5	70.1	72.4
72.3	73.7	73.7	71.9	73.7	72.5	72.0	76.1	74.3	73.9	67.9	60.1	67.6	75.7	77.1	76.6
78.9	79.0	79.6	81.4	79.6	88.2	83.2	87.9	87.0	88.7	81.5	84.0	78.8	81.8	79.3	87.1
73.9	73.2	65.8	69.7	70.7	69.8	69.2	73.0	73.8	67.7	68.9	68.9	69.0	68.9	73.5	76.5
71.3	71.7	75.1	70.2	78.4	77.6	80.4	76.9	75.6	79.0	73.7	70.7	63.6	60.8	66.5	77.4
59.1	58.3	56.6	56.1	60.4	64.1	64.4	67.2	65.6	63.2	59.3	57.4	60.6	65.1	67.8	65.8
77.5	81.6	62.7	73.7	71.6	66.2	88.8	66.6	69.6	80.1	83.9	88.0	78.0	82.1	69.5	82.0
72.4	74.4	75.1	72.8	74.5	76.5	75.8	77.7	76.9	76.1	70.0	67.6	68.5	72.7	74.5	75.2

4c Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Bulanan

Manufacturing Industry Capacity Utilisation by State – Monthly

Negeri State	2021	2022							
	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
Johor	78.8	80.8	79.3	83.1	80.5	79.3	83.0	82.9	82.9
Kedah	83.9	84.6	86.7	83.3	87.0	84.7	85.3	85.4	84.4
Kelantan	76.2	87.9	79.6	83.0	80.0	75.9	80.8	80.7	79.7
Melaka	60.8	93.4	89.8	77.8	89.0	73.2	49.2	82.7	88.1
Negeri Sembilan	71.5	87.9	82.9	89.6	85.6	81.1	90.3	84.5	83.6
Pahang	81.6	73.2	81.4	80.1	79.7	79.0	80.4	78.8	78.1
Pulau Pinang	74.5	75.6	76.0	81.3	76.7	74.0	78.0	78.6	76.7
Perak	76.6	80.1	74.7	81.0	75.8	74.0	76.0	73.7	74.0
Perlis	71.3	78.0	76.6	78.0	78.2	76.1	78.1	70.8	74.1
Selangor	76.1	82.8	77.4	82.3	78.7	80.0	83.3	82.3	83.6
Terengganu	89.3	73.9	70.5	74.1	89.2	76.4	79.4	79.4	84.7
Sabah	71.1	69.8	68.8	78.6	74.2	71.6	78.5	71.5	72.0
Sarawak	77.5	77.3	90.5	80.1	76.2	71.9	78.9	77.6	72.3
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	68.4	77.5	75.2	77.9	76.2	76.2	73.0	72.4	76.2
Wilayah Persekutuan Labuan	43.3	94.2	92.2	94.6	71.8	57.5	45.3	57.8	94.5
Malaysia	75.7	81.3	80.2	81.7	80.4	77.4	79.1	80.9	81.2

2023															
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
79.8	81.5	80.6	80.5	79.9	80.3	82.0	76.9	79.7	80.3	80.9	81.6	82.3	82.6	82.4	79.5
85.8	87.1	86.7	81.4	85.0	82.9	83.3	75.7	79.9	79.9	77.7	76.9	79.3	77.7	79.3	76.5
78.2	77.7	75.8	73.4	76.7	77.3	78.1	72.9	72.5	76.0	80.4	76.4	70.6	77.0	71.3	72.9
92.8	90.0	92.4	79.9	86.7	76.0	81.6	81.4	86.8	79.5	82.8	87.5	85.6	82.0	84.2	77.9
85.3	85.4	84.1	77.2	81.7	79.7	84.6	82.7	83.3	80.0	87.0	85.0	86.0	83.9	83.3	83.5
73.3	72.9	76.3	76.1	79.5	73.9	75.4	78.4	76.4	71.4	79.2	84.3	87.1	86.2	81.3	82.3
78.8	74.8	74.6	76.8	75.7	76.7	77.9	72.9	77.1	78.0	74.6	77.4	78.5	81.1	78.3	79.0
74.7	77.0	76.8	77.7	78.0	80.5	72.8	77.2	74.9	78.1	78.2	75.9	77.3	78.6	77.4	82.2
75.3	74.5	75.4	73.3	59.1	65.9	72.5	57.4	65.1	64.4	61.2	60.3	75.1	72.3	72.3	73.5
83.3	79.3	79.9	82.8	77.9	78.8	82.3	80.6	82.7	81.5	80.6	82.4	84.1	81.8	82.9	81.2
82.8	87.2	78.5	88.2	76.9	81.3	78.3	81.9	86.2	89.4	83.7	82.2	75.8	76.2	75.0	67.0
72.6	69.1	67.5	70.6	71.8	72.4	72.8	69.4	73.7	74.2	77.3	76.9	77.5	73.2	76.3	75.0
75.8	73.7	79.8	79.0	80.1	84.0	80.8	67.8	70.3	73.4	70.8	70.6	69.7	76.4	75.1	78.5
78.1	76.4	73.0	76.2	78.3	79.2	81.3	75.4	78.0	74.5	74.8	74.0	75.7	75.2	77.3	78.8
76.1	95.6	96.4	87.3	96.3	91.0	92.6	60.0	70.6	94.5	97.7	97.0	97.0	96.8	97.0	93.9
81.7	80.1	80.4	80.2	79.3	79.2	80.8	76.5	79.2	79.2	78.6	79.6	80.1	80.4	80.1	79.2

4c Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Bulanan
Manufacturing Industry Capacity Utilisation by State – Monthly

Negeri State	2024									
	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	
Johor	81.3	79.6	81.8	81.4	84.0	84.5	83.8	84.8	84.6	
Kedah	79.1	76.5	80.4	78.3	80.2	83.2	77.9	77.5	77.9	
Kelantan	70.2	68.1	70.9	72.6	74.3	73.8	73.8	75.0	72.2	
Melaka	84.8	77.8	77.5	78.6	86.1	85.9	85.5	85.7	84.4	
Negeri Sembilan	84.6	83.0	87.5	83.2	85.6	84.5	85.4	87.5	84.1	
Pahang	77.3	79.7	85.7	82.9	85.5	85.6	84.5	85.3	86.2	
Pulau Pinang	77.2	76.7	81.2	76.2	81.6	82.5	80.6	81.1	81.7	
Perak	75.3	75.6	82.5	78.5	79.9	79.3	81.4	78.7	81.9	
Perlis	74.7	64.4	74.2	66.2	66.6	74.7	73.0	66.1	63.4	
Selangor	83.6	82.9	82.6	84.0	85.1	84.9	84.4	86.3	85.3	
Terengganu	77.9	81.0	86.7	81.5	83.6	89.2	85.3	88.5	83.4	
Sabah	75.4	73.5	71.2	71.8	76.0	76.4	77.3	76.0	77.7	
Sarawak	81.7	80.0	80.2	77.1	78.1	78.5	76.7	75.3	74.7	
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	78.7	76.6	80.8	79.5	79.1	77.5	80.3	78.4	77.6	
Wilayah Persekutuan Labuan	94.1	97.7	96.9	95.4	92.1	95.5	94.4	98.1	97.5	
Malaysia	80.9	79.8	81.7	80.3	82.7	83.2	82.2	82.8	82.3	

5 Faktor Kapasiti Industri Pembuatan di bawah Tahap Penggunaan - Peratus Sumbangan
Factors of Underutilisation of Manufacturing Industry Capacity – Percentage Share

Keterangan Faktor Factor Description	2022								
	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
Kurang menguntungkan untuk beroperasi pada keupayaan pengeluaran Not most profitable to operate at full production capability	4.2	4.2	4.4	4.9	4.9	5.1	5.5	5.4	5.6
Bekalan bahan tidak mencukupi Insufficient supply of materials	12.3	11.6	12.0	12.2	12.6	12.2	12.1	12.3	12.4
Pembaikan & penyelenggaraan mesin dan kelengkapan Repair & maintenance of machinery and equipment	9.0	8.6	9.5	9.2	9.2	9.4	9.4	9.8	9.7
Inventori yang mencukupi Sufficient inventory	5.0	4.9	5.2	5.3	5.5	5.6	5.4	5.8	5.7
Permintaan kurang Low demand	35.4	34.2	33.9	33.3	32.7	33.3	34.2	33.2	34.8
Kekurangan tenaga buruh Insufficient supply of labour force	10.5	10.7	12.0	12.2	12.1	12.1	11.3	11.2	10.3
Bahan bakar atau tenaga elektrik yang tidak mencukupi Lack of sufficient fuel or electric energy	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3
Limitasi atau kerosakan mesin dan kelengkapan Machinery and equipment limitations or failures	3.9	3.8	3.9	4.3	3.9	4.1	3.9	4.1	4.1
Pekerja kurang kompeten Incompetent workers	2.5	2.7	2.6	2.5	2.7	2.7	2.7	2.9	2.4
Limitasi ruang penyimpanan Storage limitations	4.1	3.6	4.6	4.0	3.9	4.2	4.4	4.2	4.0
Kekangan logistik/ pengangkutan Logistics/ transportation constraints	2.4	2.1	2.0	2.1	2.3	1.9	1.8	1.9	1.5
Penutupan kilang sementara Temporary plant shutdown	1.2	1.7	0.9	0.8	0.9	0.8	0.6	0.6	0.6
Kekangan kewangan Financial constraints	1.5	1.3	1.3	1.4	1.1	1.2	1.2	1.1	1.3
Mogok atau pemberhentian pekerja Strike or work stoppage	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Operasi bermusim Seasonal operations	3.1	3.5	3.2	3.7	3.2	3.0	3.0	3.0	3.1
Sekatan berkaitan alam sekitar Environmental restrictions	0.3	0.5	0.2	0.4	0.2	0.2	0.3	0.2	0.1
Isu kualiti produk atau perkhidmatan Quality issues of products or services	1.0	0.9	0.9	0.9	0.9	1.2	1.0	1.0	0.9
Lain-lain Others	3.4	5.3	2.9	2.5	3.5	2.7	2.7	2.8	2.7

5 Faktor Kapasiti Industri Pembuatan di bawah Tahap Penggunaan - Peratus Sumbangan

Factors of Underutilisation of Manufacturing Industry Capacity – Percentage Share

Keterangan Faktor Factor Description	2022			2023					
	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
Kurang menguntungkan untuk beroperasi pada keupayaan pengeluaran <i>Not most profitable to operate at full production capability</i>	6.0	6.3	6.0	5.5	5.0	5.6	5.4	5.4	5.2
Bekalan bahan tidak mencukupi <i>Insufficient supply of materials</i>	12.2	11.8	12.0	11.0	10.8	10.9	11.1	10.9	10.6
Pembaikan & penyelenggaraan mesin dan kelengkapan <i>Repair & maintenance of machinery and equipment</i>	9.1	9.1	9.6	9.0	9.4	9.2	8.7	8.6	9.1
Inventori yang mencukupi <i>Sufficient inventory</i>	5.9	6.1	6.5	5.2	5.9	6.2	5.5	5.9	6.5
Permintaan kurang <i>Low demand</i>	35.2	35.2	34.0	36.6	36.5	37.3	39.4	40.3	39.3
Kekurangan tenaga buruh <i>Insufficient supply of labour force</i>	10.1	10.0	9.8	9.0	8.5	8.0	7.9	7.4	7.6
Bahan bakar atau tenaga elektrik yang tidak mencukupi <i>Lack of sufficient fuel or electric energy</i>	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4
Limitasi atau kerosakan mesin dan kelengkapan <i>Machinery and equipment limitations or failures</i>	4.0	3.7	4.0	3.5	3.9	3.8	3.6	3.8	3.7
Pekerja kurang kompeten <i>Incompetent workers</i>	2.2	2.5	2.5	2.6	2.4	2.4	2.2	2.2	2.2
Limitasi ruang penyimpanan <i>Storage limitations</i>	3.9	4.1	4.2	3.9	4.4	4.6	3.6	4.0	4.2
Kekangan logistik/ pengangkutan <i>Logistics/ transportation constraints</i>	1.4	1.6	1.5	1.6	1.4	1.2	1.3	1.3	1.4
Penutupan kilang sementara <i>Temporary plant shutdown</i>	0.6	0.8	0.7	1.2	0.9	0.9	1.1	0.6	0.9
Kekangan kewangan <i>Financial constraints</i>	1.7	1.5	1.5	1.6	1.8	1.6	1.5	1.5	1.5
Mogok atau pemberhentian pekerja <i>Strike or work stoppage</i>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Operasi bermusim <i>Seasonal operations</i>	3.2	3.1	3.2	3.9	3.6	3.2	3.2	3.2	3.4
Sekatan berkaitan alam sekitar <i>Environmental restrictions</i>	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Isu kualiti produk atau perkhidmatan <i>Quality issues of products or services</i>	0.9	1.0	1.0	1.3	1.5	1.2	1.1	1.0	0.9
Lain-lain <i>Others</i>	2.7	2.6	2.8	3.4	3.2	3.2	3.6	3.1	2.7

2024														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
5.3	5.4	5.2	5.4	5.2	4.9	4.5	4.5	5.1	5.0	4.9	4.6	5.4	5.2	4.6
11.1	11.2	11.4	10.9	11.0	10.7	11.2	11.3	10.8	10.5	11.0	10.4	10.8	9.9	10.0
9.1	8.7	8.9	8.8	9.2	8.1	8.7	8.0	7.7	8.2	8.3	8.1	8.4	7.8	8.0
6.1	6.2	5.8	5.6	6.2	6.9	6.0	5.8	6.4	6.3	6.3	6.2	6.3	6.2	6.6
40.8	40.0	41.5	41.6	41.9	42.3	41.6	42.2	43.0	42.3	42.2	43.8	42.3	44.1	43.8
7.2	7.4	7.1	6.9	6.8	7.0	6.5	6.4	6.7	6.4	6.7	6.5	6.3	6.4	6.3
0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.5	0.5	0.4	0.5	0.5	0.4	0.4	0.5
3.6	3.5	3.6	3.6	3.5	3.5	3.6	3.8	3.7	3.7	4.1	4.0	4.0	3.6	3.6
2.1	2.0	2.3	1.9	1.7	1.9	2.2	2.0	2.0	2.2	1.9	2.1	2.1	2.0	1.9
4.3	4.2	3.6	4.3	4.0	3.8	4.2	3.7	3.7	4.0	4.1	3.8	4.2	4.2	4.3
1.2	1.5	1.3	0.9	1.2	1.1	1.5	1.4	1.3	1.3	1.3	1.5	1.2	1.1	1.7
0.7	0.7	0.8	0.7	0.8	0.7	0.7	1.0	0.6	0.9	0.5	0.5	0.5	0.5	0.5
1.7	1.6	1.4	1.5	1.2	1.5	1.6	1.5	1.3	1.4	1.6	1.4	1.4	1.4	1.3
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3.0	3.1	3.2	3.4	3.2	3.4	3.4	3.6	3.3	3.6	3.1	3.2	2.9	2.8	3.1
0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2
0.9	1.5	1.2	1.3	1.0	1.2	1.4	1.3	1.3	1.1	1.3	1.0	1.2	1.2	1.1
2.2	2.3	2.3	2.4	2.6	2.4	2.3	2.8	2.3	2.4	2.0	2.1	2.3	2.8	2.3

6

Kapasiti Penggunaan Industri Pembuatan mengikut Negara Terpilih

Manufacturing Industry Capacity Utilisation by Selected Country

Negara Country	2018	2019	2020	2021	2022	2023
Canada	80.8	78.7	72.5	76.3	77.2	77.6
China	76.5	76.6	74.1	77.5	75.6	75.1
Germany	87.6	84.5	77.4	84.9	85.2	83.4
Indonesia	74.4	75.4	67.3	69.8	72.4	73.2
Philippines	74.5	71.3	56.8	65.8	71.1	73.6
South Korea	73.8	73.2	71.3	74.8	74.8	71.9
Thailand	68.6	65.3	60.1	63.3	62.8	59.6
United States	78.3	77.0	72.5	77.2	79.2	77.8

2018				2019				2020				2021			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
81.5	81.9	80.2	79.6	78.3	80.2	78.3	78.0	74.2	64.0	75.2	76.4	76.5	76.8	75.6	76.1
76.5	76.8	76.5	76.0	75.9	76.4	76.4	77.5	67.3	74.4	76.7	78.0	77.2	78.4	77.1	77.4
88.0	87.7	87.7	87.0	86.2	85.3	83.9	82.6	83.1	70.6	74.9	81.0	82.2	85.4	86.5	85.4
73.4	75.7	73.9	74.6	75.9	76.2	74.7	74.6	71.8	61.8	67.4	68.4	69.1	71.9	68.8	69.3
75.6	74.8	74.5	73.2	72.3	72.2	71.3	69.4	65.6	53.0	56.5	51.9	64.3	65.2	66.0	67.7
72.7	74.8	74.3	73.4	71.9	72.3	74.6	74.1	73.0	66.9	71.5	73.6	74.6	73.2	74.5	76.7
71.6	67.0	67.6	68.1	70.4	64.8	64.2	62.0	66.0	52.1	59.4	63.0	66.6	62.9	58.7	64.8
77.7	78.4	78.8	78.4	77.5	77.1	77.0	76.5	75.7	65.8	73.4	75.0	75.7	76.9	77.6	78.7

6 Kapasiti Penggunaan Industri Pembuatan mengikut Negara Terpilih

Manufacturing Industry Capacity Utilisation by Selected Country

Negara Country	2022				2023				2024			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
Canada	77.0	77.9	76.8	77.0	77.9	78.0	77.6	76.9	77.1	77.6	n.a	
China	75.8	75.1	75.6	75.7	74.3	74.5	75.6	75.9	73.6	74.9	75.1	
Germany	86.0	84.9	85.1	84.9	84.4	84.3	82.9	81.9	81.3	80.3	77.4	
Indonesia	72.0	72.6	73.1	71.9	72.3	73.6	74.4	72.8	72.9	73.7	73.1	
Philippines	70.0	70.5	71.5	72.2	73.0	73.1	74.0	74.5	74.7	75.5	75.5	
South Korea	78.9	76.0	74.3	69.9	70.6	72.0	72.3	72.5	72.6	73.5	73.0	
Thailand	66.8	61.2	62.8	60.3	64.2	58.6	58.4	57.4	60.5	57.8	59.3	
United States	79.2	79.6	79.4	78.5	78.2	78.0	77.7	77.3	77.1	77.1	76.8	

Nota / Note :
n.a - Canada ST3 2024 akan diterbitkan pada Disember 2024 / Canada Q3 2024 will be released on December 2024

7a Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan – Tahunan
Industrial Production Index of Manufacturing Sector by Group – Yearly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2017	2018	2019	2020	2021	2022	2023
	68.25	C	PEMBUATAN MANUFACTURING	110.7	115.6	120.1	116.9	128.1	138.5	139.5
1	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	113.2	116.9	120.2	118.5	120.5	127.6	134.5
1.1	7.39	10	Pembuatan produk makanan Manufacture of food products	113.1	117.1	120.1	121.0	123.2	128.7	135.5
1.2	0.65	11	Pembuatan minuman Manufacture of beverages	119.9	123.6	127.2	108.7	119.4	135.3	137.7
1.3	0.52	12	Pembuatan produk tembakau Manufacture of tobacco products	105.4	106.8	113.6	95.4	83.6	102.2	116.4
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	115.3	119.8	126.6	110.3	118.4	125.0	126.4
2.1	0.58	13	Pembuatan tekstil Manufacture of textiles	109.4	112.3	117.5	102.0	115.6	120.5	114.9
2.2	0.60	14	Pembuatan pakaian Manufacture of wearing apparel	120.9	126.9	135.4	120.0	121.9	124.6	130.2
2.3	0.15	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	115.5	119.7	125.9	103.4	115.3	144.7	155.9
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	110.7	115.3	122.1	113.3	120.4	129.5	129.5
3.1	1.44	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	106.8	112.3	118.4	104.0	113.6	121.2	115.8
3.2	1.15	17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	110.3	114.6	120.0	116.5	133.8	143.9	149.7
3.3	0.93	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	110.2	114.2	119.2	113.1	116.6	124.6	132.2
3.4	1.04	31	Pembuatan perabot Manufacture of furniture	116.7	121.4	132.0	122.8	118.3	129.5	123.5
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	108.3	112.3	115.9	115.0	130.1	131.3	130.1
4.1	9.36	19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	106.7	110.0	113.2	101.2	112.9	120.0	118.1
4.2	6.37	20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	110.6	115.2	117.5	109.2	119.5	124.4	129.7
4.3	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	109.4	115.2	120.7	138.2	159.9	169.7	168.4
4.4	4.49	22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	108.4	112.7	118.9	150.2	178.4	161.2	152.6
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	109.2	114.1	119.1	104.4	108.2	116.5	122.5
5.1	2.97	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	109.1	114.7	120.3	103.1	104.2	113.7	118.8
5.2	2.35	24	Pembuatan logam asas Manufacture of basic metals	107.6	111.8	116.6	111.0	114.2	121.9	125.5
5.3	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	110.1	115.1	119.8	101.3	107.7	115.3	123.5
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	115.3	121.5	125.9	128.7	147.7	168.8	165.9
6.1	13.89	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	116.2	123.3	127.7	130.9	151.3	175.4	171.9
6.2	2.20	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	112.5	115.1	119.5	120.6	135.3	148.4	147.2
6.3	2.14	28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	112.5	116.9	121.4	122.8	137.1	146.7	146.1
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	102.7	108.3	115.2	108.7	110.1	130.0	135.3
7.1	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	99.9	105.8	113.9	112.0	112.9	141.7	148.2
7.2	1.19	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	100.7	104.4	109.7	95.2	97.9	104.8	107.6
7.3	0.74	32	Pembuatan lain Other manufacturing	102.3	107.2	113.3	104.7	107.5	118.2	121.3
7.4	0.76	33	Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	117.8	125.7	131.2	120.0	119.9	132.1	138.6

7b Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan – Suku Tahunan

Industrial Production Index of Manufacturing Sector by Group – Quarterly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2017				2018			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	68.25	C	PEMBUATAN MANUFACTURING	105.8	109.4	113.2	114.4	111.4	114.5	118.6	119.5
1	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	101.7	108.4	120.1	122.4	110.0	112.6	122.4	122.3
1.1	7.39	10	Pembuatan produk makanan Manufacture of food products	100.4	107.4	121.1	123.5	109.7	111.5	123.2	123.0
1.2	0.65	11	Pembuatan minuman Manufacture of beverages	110.1	120.8	121.3	127.6	112.8	127.0	125.9	129.0
1.3	0.52	12	Pembuatan produk tembakau Manufacture of tobacco products	110.2	107.7	104.0	99.5	110.0	109.6	106.8	102.8
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	109.2	116.7	112.4	122.7	116.5	121.3	115.7	127.3
2.1	0.58	13	Pembuatan tekstil Manufacture of textiles	104.4	110.6	110.8	111.7	109.5	113.4	113.1	114.1
2.2	0.60	14	Pembuatan pakaian Manufacture of wearing apparel	111.3	121.9	114.8	135.5	121.0	128.0	118.8	142.8
2.3	0.15	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	119.7	119.0	109.2	114.0	125.1	125.2	113.0	116.1
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	110.0	109.3	108.9	114.4	114.5	113.3	115.7	119.9
3.1	1.44	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	105.5	107.3	103.3	111.2	111.8	111.4	110.6	117.7
3.2	1.15	17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	111.3	108.8	107.0	114.2	115.4	115.0	112.5	117.1
3.3	0.93	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	103.2	109.7	110.8	117.0	107.1	112.6	116.0	122.0
3.4	1.04	31	Pembuatan perabot Manufacture of furniture	121.0	112.2	117.0	116.7	123.7	114.7	126.2	124.0
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	106.2	107.1	108.1	111.8	111.3	111.1	112.2	115.9
4.1	9.36	19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	108.6	104.8	103.0	110.2	113.4	107.3	105.3	114.7
4.2	6.37	20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	104.8	110.6	113.1	113.8	111.6	116.7	118.1	115.4
4.3	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	97.8	113.3	114.7	111.9	105.5	119.0	121.2	117.9
4.4	4.49	22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	103.9	106.4	111.2	112.1	107.0	110.3	117.4	118.9
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	104.6	109.5	111.7	110.8	110.1	115.1	117.3	115.5
5.1	2.97	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	103.3	108.0	110.3	114.8	109.6	114.2	117.0	119.6
5.2	2.35	24	Pembuatan logam asas Manufacture of basic metals	101.3	109.4	113.1	106.8	107.0	113.0	117.3	111.1
5.3	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	107.7	110.7	111.9	110.2	112.4	117.1	117.6	115.0
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	105.9	115.5	120.8	119.1	111.9	122.1	128.1	126.9
6.1	13.89	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	105.0	114.4	122.4	123.1	111.5	121.6	131.1	132.0
6.2	2.20	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	107.2	117.2	115.4	110.3	109.8	119.9	118.5	114.0
6.3	2.14	28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	110.2	120.9	116.5	102.4	116.4	127.5	118.5	106.9
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	108.1	98.6	103.6	100.5	110.6	104.4	111.4	109.0
7.1	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	112.9	94.9	93.4	98.4	113.5	101.8	102.9	107.8
7.2	1.19	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	99.5	96.0	108.9	98.5	102.6	98.5	113.0	104.7
7.3	0.74	32	Pembuatan lain Other manufacturing	104.8	97.0	107.0	100.3	107.9	102.0	114.1	106.4
7.4	0.76	33	Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	104.8	119.6	134.2	112.6	113.8	126.3	141.8	123.2

2019				2020				2021					
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
115.9	119.2	122.6	122.8	117.3	97.7	126.5	126.3	125.3	123.4	125.6	137.9	133.2	134.8
115.7	117.3	124.3	123.7	111.1	116.6	130.9	115.5	111.0	118.9	124.2	127.9	117.3	125.5
115.5	116.2	124.7	124.0	110.6	125.4	133.1	114.9	109.7	122.9	132.5	127.6	115.9	125.9
115.0	131.1	129.8	132.8	114.1	81.0	116.9	122.8	116.3	112.3	111.7	137.5	125.1	137.7
118.9	115.8	111.6	108.0	114.9	35.8	117.3	113.7	122.6	69.5	21.3	121.1	127.6	104.2
121.9	128.2	121.8	134.4	125.4	73.5	110.5	132.0	128.3	102.6	104.9	137.9	134.7	110.1
113.4	120.1	118.2	118.1	116.0	71.9	104.5	115.6	121.4	105.5	109.4	125.9	129.5	109.5
128.2	134.8	125.6	153.1	132.5	75.4	120.7	151.6	132.0	94.5	107.6	153.7	137.7	100.5
129.2	132.5	119.9	122.0	132.8	72.2	92.4	116.1	139.7	124.7	76.7	120.0	143.1	151.6
120.6	119.5	122.3	125.8	121.9	80.0	122.5	128.8	127.6	111.3	106.3	136.4	136.4	124.6
117.4	116.4	117.0	122.8	120.1	67.8	107.0	121.2	119.2	105.7	97.7	131.9	130.3	117.9
119.5	120.5	117.6	122.2	118.2	96.5	123.2	128.2	130.8	121.9	133.5	149.0	142.0	132.5
112.5	117.7	122.1	124.4	114.7	83.3	126.0	128.5	119.5	107.2	109.4	130.5	121.7	119.7
133.6	124.2	135.0	135.3	135.0	75.6	140.2	140.4	142.7	111.1	85.6	133.7	151.7	129.5
114.8	114.7	115.4	118.8	120.0	98.8	117.8	123.4	131.0	127.7	131.3	130.3	130.2	126.6
116.6	110.4	108.5	117.3	120.8	78.8	98.0	107.1	113.7	105.9	115.6	116.3	118.6	110.7
113.4	119.0	120.4	117.3	115.5	96.8	111.4	113.1	120.7	112.9	119.5	125.0	125.7	120.1
112.1	123.6	125.6	121.5	117.0	140.0	154.5	141.5	142.1	155.1	173.4	169.1	156.2	162.7
113.2	116.7	121.8	124.0	125.0	139.8	165.4	170.5	181.0	191.8	177.3	163.6	158.3	166.0
114.6	119.9	122.2	119.8	114.5	71.6	114.0	117.5	115.9	95.5	97.5	123.9	122.6	105.9
115.0	119.4	122.2	124.6	114.4	63.2	112.2	122.6	117.3	86.7	88.0	124.7	124.4	98.7
110.5	117.4	121.9	116.5	111.5	85.7	126.2	120.7	115.6	104.1	109.2	127.7	123.9	115.3
116.8	121.9	122.3	118.2	116.5	69.4	107.8	111.5	115.0	97.1	97.7	121.0	120.3	105.9
115.5	126.7	131.8	129.7	117.3	114.1	143.6	139.8	129.6	145.1	153.1	162.8	149.5	167.8
115.0	126.6	134.8	134.2	117.5	112.2	147.6	146.1	131.5	145.1	157.8	170.6	153.7	171.8
115.6	122.8	120.9	118.5	114.3	112.5	131.6	123.9	122.3	138.6	137.3	142.8	142.2	152.3
118.8	131.3	123.9	111.7	118.8	127.9	129.5	115.0	124.8	151.3	138.8	133.4	130.2	157.7
117.8	111.2	118.1	113.9	115.9	74.9	123.1	120.8	124.8	104.9	85.7	125.0	130.4	133.1
121.2	110.9	111.0	112.6	119.2	76.5	124.6	127.5	135.2	111.9	74.0	130.4	141.2	153.7
108.6	103.2	118.6	108.3	105.2	65.3	106.5	103.9	104.6	84.1	96.2	106.8	107.3	92.8
113.2	106.5	118.4	115.1	113.7	63.2	125.5	116.4	115.1	99.6	92.7	122.5	119.9	115.2
122.0	129.6	146.2	127.0	121.1	94.8	140.4	123.7	122.3	113.2	110.9	133.2	131.4	128.1

7b Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan – Suku Tahunan
Industrial Production Index of Manufacturing Sector by Group – Quarterly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2022		2023		2024				
				Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
1	68.25	C	PEMBUATAN MANUFACTURING	142.5	143.5	137.7	134.9	142.3	143.2	140.6	141.5	150.5
	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	135.4	132.1	126.0	129.4	141.2	141.4	126.5	136.6	153.0
	1.1	7.39	10 Pembuatan produk makanan Manufacture of food products	139.7	133.2	124.8	128.7	145.6	142.9	123.9	135.4	157.5
	1.2	0.65	11 Pembuatan minuman Manufacture of beverages	137.6	140.7	123.2	140.4	138.8	148.3	130.3	148.8	148.6
	1.3	0.52	12 Pembuatan produk tembakau Manufacture of tobacco products	71.4	105.4	147.4	125.2	81.3	111.5	158.8	139.3	94.5
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	118.1	137.3	135.7	114.3	118.5	137.2	137.8	118.7	124.1
	2.1	0.58	13 Pembuatan tekstil Manufacture of textiles	118.6	124.4	125.0	105.7	111.3	117.5	125.8	112.5	115.1
	2.2	0.60	14 Pembuatan pakaian Manufacture of wearing apparel	111.6	148.4	141.4	109.9	117.8	151.8	142.8	111.9	123.7
	2.3	0.15	15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	142.3	142.0	153.9	165.9	149.6	154.1	163.8	170.1	161.3
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	124.3	132.8	131.2	123.3	125.4	138.0	136.8	130.0	133.5
	3.1	1.44	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	116.0	120.8	119.0	111.9	112.8	119.5	118.5	116.2	120.4
	3.2	1.15	17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	149.4	151.5	147.3	136.9	153.6	161.0	152.9	140.7	159.7
	3.3	0.93	18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	118.7	138.2	126.2	127.6	129.4	145.7	132.7	138.7	143.8
	3.4	1.04	31 Pembuatan perabot Manufacture of furniture	113.0	123.7	134.5	120.3	107.9	131.4	148.0	129.5	113.5
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	136.9	131.5	132.9	124.3	132.9	130.3	134.8	129.7	139.0
	4.1	9.36	19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	128.4	122.3	128.0	108.7	117.5	118.1	128.5	113.2	120.4
	4.2	6.37	20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	124.6	127.2	129.2	125.9	133.3	130.4	128.7	130.0	138.7
	4.3	0.38	21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	185.6	174.3	165.3	163.1	176.1	169.2	174.2	174.4	186.9
	4.4	4.49	22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	167.8	152.9	145.9	151.4	160.9	152.3	153.1	160.0	174.2
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	110.9	126.5	126.8	111.8	117.0	134.3	135.7	122.2	127.5
	5.1	2.97	23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	104.6	127.1	128.8	101.5	109.8	135.0	137.0	111.8	119.9
	5.2	2.35	24 Pembuatan logam asas Manufacture of basic metals	120.7	127.8	126.0	120.9	124.1	131.1	128.6	129.1	133.5
	5.3	3.79	25 Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	109.7	125.2	125.8	114.1	118.3	135.8	139.0	126.2	129.8
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	179.8	178.0	155.0	165.3	175.5	167.7	156.4	170.8	185.5
	6.1	13.89	26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	187.5	188.7	160.2	168.4	182.9	176.0	161.7	175.3	194.9
	6.2	2.20	27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	151.4	147.6	141.8	153.1	151.8	142.2	140.0	149.9	154.3
	6.3	2.14	28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	158.9	140.0	135.1	157.6	151.7	140.2	138.8	163.4	156.4
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	125.5	131.0	140.2	135.2	131.5	134.4	143.6	142.9	133.3
	7.1	3.17	29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	134.9	137.1	156.0	153.2	143.0	140.4	158.2	162.6	142.2
	7.2	1.19	30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	106.4	112.7	110.1	97.3	109.1	113.9	114.5	101.9	112.0
	7.3	0.74	32 Pembuatan lain Other manufacturing	111.7	126.0	122.6	119.1	112.5	131.2	125.5	124.4	117.1
	7.4	0.76	33 Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	129.4	139.4	138.4	135.1	136.7	144.4	145.5	143.1	145.5

7c Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan – Bulanan

Industrial Production Index of Manufacturing Sector by Group – Monthly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2017								
				Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
	68.25	C	PEMBUATAN MANUFACTURING	108.3	99.7	109.5	105.9	110.6	111.8	113.1	113.0	113.7
1	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	101.2	98.8	105.2	109.5	110.6	105.2	124.2	120.1	115.9
1.1	7.39	10	Pembuatan produk makanan Manufacture of food products	99.4	97.7	104.1	109.6	109.7	102.9	125.9	120.8	116.6
1.2	0.65	11	Pembuatan minuman Manufacture of beverages	115.6	102.4	112.3	111.8	123.0	127.4	120.7	122.3	121.0
1.3	0.52	12	Pembuatan produk tembakau Manufacture of tobacco products	109.7	109.3	111.6	105.2	107.7	110.2	104.6	107.5	99.8
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	106.8	106.8	114.1	113.0	123.2	113.8	109.5	110.0	117.8
2.1	0.58	13	Pembuatan tekstil Manufacture of textiles	99.7	105.0	108.4	108.7	112.9	110.3	109.4	108.1	114.8
2.2	0.60	14	Pembuatan pakaian Manufacture of wearing apparel	109.1	106.7	118.0	115.3	132.5	117.9	109.2	111.8	123.4
2.3	0.15	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	124.6	114.5	120.1	120.1	125.4	111.3	111.1	110.0	106.4
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	110.8	108.3	111.0	108.3	109.9	109.7	108.5	107.6	110.7
3.1	1.44	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	104.0	103.6	108.9	108.9	106.5	106.4	103.6	103.1	103.3
3.2	1.15	17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	112.9	109.1	111.8	113.7	109.2	103.4	103.2	100.1	117.8
3.3	0.93	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	110.3	102.4	96.9	107.3	105.3	116.4	115.0	109.5	107.9
3.4	1.04	31	Pembuatan perabot Manufacture of furniture	118.2	119.2	125.7	102.3	119.3	115.0	115.1	120.5	115.4
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	105.5	102.6	110.5	102.3	109.4	109.6	108.3	107.2	108.8
4.1	9.36	19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	108.8	104.3	112.9	97.3	107.6	109.5	105.6	100.0	103.3
4.2	6.37	20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	102.3	101.3	110.8	108.0	111.3	112.6	110.0	114.8	114.6
4.3	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	89.4	99.7	104.4	113.3	127.5	99.1	112.0	110.9	121.2
4.4	4.49	22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	104.5	101.4	105.8	103.9	109.0	106.3	111.3	111.2	111.2
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	108.4	97.1	108.4	107.6	109.2	111.7	114.1	111.0	110.1
5.1	2.97	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	103.8	97.1	109.1	105.9	107.4	110.8	109.8	112.1	109.1
5.2	2.35	24	Pembuatan logam asas Manufacture of basic metals	98.3	97.6	107.9	107.7	107.4	113.1	118.1	110.9	110.4
5.3	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	118.2	96.7	108.1	108.8	111.8	111.6	115.1	110.2	110.6
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	113.0	94.7	110.0	109.0	115.7	121.8	119.4	120.1	123.0
6.1	13.89	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	114.9	92.1	108.1	105.6	114.2	123.3	120.3	120.5	126.2
6.2	2.20	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	110.7	99.1	111.7	115.0	116.9	119.7	112.0	114.0	120.4
6.3	2.14	28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	103.4	107.1	120.1	124.6	123.8	114.4	121.4	123.7	104.3
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	111.7	102.4	110.2	97.7	98.5	99.7	96.8	108.4	105.6
7.1	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	119.5	111.0	108.2	97.6	93.9	93.3	89.6	98.3	92.4
7.2	1.19	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	99.3	86.4	113.0	92.6	97.4	97.9	82.1	126.3	118.3
7.3	0.74	32	Pembuatan lain Other manufacturing	110.6	100.7	103.0	96.0	93.8	101.3	102.6	104.4	114.1
7.4	0.76	33	Mbaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	99.8	93.0	121.6	107.8	123.4	127.6	143.8	126.6	132.0

7c Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan – Bulanan
Industrial Production Index of Manufacturing Sector by Group – Monthly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2017		2018							
				Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	
1	68.25	C	PEMBUATAN MANUFACTURING	115.5	113.9	113.7	115.7	104.4	114.0	111.6	115.1	116.9	
	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	120.2	121.9	125.2	117.5	100.9	111.6	114.6	114.3	108.8	
	1.1	7.39	10 Pembuatan produk makanan Manufacture of food products	121.2	122.8	126.6	117.9	100.0	111.4	114.6	113.4	106.5	
	1.2	0.65	11 Pembuatan minuman Manufacture of beverages	127.4	126.4	129.1	119.1	104.3	115.0	120.5	128.0	132.6	
2	0.52	12	Pembuatan produk tembakau Manufacture of tobacco products	95.6	103.7	99.3	110.1	109.5	110.3	106.9	109.6	112.3	
	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	121.5	126.6	120.2	116.9	114.4	118.1	117.4	125.9	120.8	
	2.1	0.58	13 Pembuatan tekstil Manufacture of textiles	111.8	120.9	102.2	107.4	110.0	111.2	111.1	114.8	114.4	
	2.2	0.60	14 Pembuatan pakaian Manufacture of wearing apparel	135.2	134.1	137.3	122.9	117.7	122.6	121.0	135.4	127.5	
3	0.15	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	103.7	117.8	120.5	129.5	118.7	127.0	127.5	130.2	117.8	
	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	110.0	115.0	118.2	115.5	112.2	115.7	111.6	112.8	115.6	
	3.1	1.44	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	107.4	112.4	113.9	111.8	111.2	112.5	112.8	110.0	111.4	
	3.2	1.15	17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	106.3	115.3	121.0	117.8	111.8	116.7	118.0	115.5	111.5	
4	0.93	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	109.0	113.8	128.2	110.5	105.9	104.8	108.0	108.7	121.2	
	1.04	31	Pembuatan perabot Manufacture of furniture	118.5	119.2	112.3	122.6	119.8	128.7	105.9	117.4	120.9	
	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	113.8	110.5	111.0	112.0	109.8	112.1	106.5	113.5	113.3	
	4.1	9.36	19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	109.5	110.6	110.6	116.1	112.3	111.8	100.1	110.8	111.1	
5	6.37	20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	119.5	110.4	111.5	109.7	110.1	115.0	114.5	117.4	118.1	
	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	119.2	111.1	105.5	97.2	108.3	110.8	121.9	130.6	104.5	
	4.49	22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	114.1	110.5	111.6	107.9	104.3	108.7	107.0	112.1	111.8	
	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	111.8	110.5	110.0	115.0	101.9	113.3	113.1	114.7	117.5	
6	2.97	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	115.4	113.7	115.3	111.5	102.6	114.7	111.6	113.8	117.3	
	2.35	24	Pembuatan logam asas Manufacture of basic metals	107.3	107.3	105.8	105.3	103.4	112.3	111.5	110.7	116.8	
	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	111.9	110.0	108.6	123.8	100.5	112.8	115.3	117.8	118.1	
	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	122.9	118.2	116.2	119.4	99.9	116.3	116.7	121.2	128.5	
7	13.89	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	127.3	122.6	119.3	121.9	97.7	115.0	114.3	120.3	130.4	
	2.20	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	117.3	104.7	109.1	113.3	101.4	114.6	117.7	119.4	122.7	
	2.14	28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	100.1	103.3	103.8	110.0	112.6	126.6	131.8	128.9	122.0	
	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	99.9	102.0	99.6	115.6	100.3	115.9	105.3	103.4	104.4	
8	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	99.4	97.5	98.3	121.7	103.1	115.7	107.2	99.0	99.3	
	1.19	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	90.5	101.6	103.4	102.8	88.6	116.4	94.8	100.3	100.4	
	0.74	32	Pembuatan lain Other manufacturing	99.6	99.7	101.5	114.0	103.6	106.0	102.3	98.7	105.0	
	0.76	33	Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	117.1	123.9	96.9	111.8	103.7	126.0	116.8	130.6	131.6	

2019															
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.
119.0	117.8	119.1	121.7	118.1	118.7	120.6	108.3	118.7	116.4	119.9	121.4	123.8	122.0	122.1	124.5
120.7	122.6	123.9	123.3	119.8	123.8	120.6	107.3	119.1	119.4	119.4	113.0	121.6	125.5	125.8	124.3
121.2	123.2	125.1	124.4	120.3	124.4	120.7	106.6	119.2	119.3	118.5	110.6	121.7	125.5	126.9	125.3
125.2	126.5	126.2	128.8	127.6	130.8	121.8	107.2	116.1	124.1	132.4	136.7	128.6	134.1	126.6	128.9
107.3	109.9	103.2	100.9	102.1	105.5	117.3	116.9	122.3	115.6	114.7	117.1	111.4	114.6	108.8	104.5
113.5	113.2	120.4	124.1	132.7	125.2	123.3	118.5	123.9	124.1	133.2	127.4	120.0	120.0	125.3	130.8
111.5	110.4	117.5	113.9	123.8	104.5	111.6	113.3	115.4	118.4	121.6	120.4	118.0	115.8	120.8	116.6
114.9	116.0	125.4	138.0	144.7	145.7	132.3	123.0	129.3	127.1	143.0	134.3	121.6	124.0	131.2	149.1
115.2	112.5	111.3	107.2	118.7	122.2	132.1	120.5	135.1	133.5	138.2	125.9	121.2	120.0	118.5	111.7
115.0	114.4	117.7	117.2	118.2	124.2	122.1	118.4	121.4	117.3	120.1	121.0	121.4	120.9	124.6	122.6
108.7	111.0	111.9	116.5	116.5	120.2	118.7	117.2	116.2	117.0	116.2	116.1	114.8	116.9	119.2	121.3
112.5	106.5	118.4	109.7	115.7	125.9	119.5	117.0	122.1	123.8	121.5	116.3	118.0	111.5	123.3	113.1
119.8	115.3	112.9	114.6	120.2	131.2	117.6	110.9	109.0	112.5	114.5	126.1	125.8	121.4	119.0	117.3
122.1	127.2	129.2	128.7	121.7	121.5	133.5	128.4	139.0	115.0	128.9	128.6	130.2	136.5	138.3	139.6
112.7	111.0	112.9	118.5	114.3	114.9	116.5	111.6	116.3	110.3	117.2	116.6	116.5	114.2	115.3	120.1
106.4	103.0	106.5	115.2	116.4	112.4	120.6	112.6	116.6	104.1	113.1	114.1	110.5	105.8	109.1	117.6
118.6	117.7	117.9	120.7	110.8	114.7	112.6	110.7	117.0	115.6	120.4	121.0	120.9	120.3	119.9	121.2
117.3	118.1	128.3	125.2	114.4	114.1	101.6	115.0	119.7	125.7	135.2	109.9	125.1	122.5	129.3	127.2
116.9	117.4	117.8	121.6	114.6	120.6	114.8	110.4	114.3	114.3	119.6	116.2	122.3	122.5	120.8	123.0
120.5	116.4	115.1	117.0	115.0	114.5	120.0	106.6	117.3	117.7	119.1	123.1	125.8	121.2	119.5	120.6
118.0	118.0	115.0	120.1	118.4	120.3	117.9	107.6	119.6	116.6	118.4	123.3	122.9	124.0	119.8	124.0
122.2	115.3	114.5	112.4	111.6	109.4	108.7	107.2	115.7	115.9	114.6	121.9	128.0	119.6	118.3	117.4
121.4	115.8	115.6	117.3	114.5	113.1	128.5	105.5	116.5	119.6	122.3	123.8	126.7	120.0	120.2	119.8
128.9	125.6	129.7	131.6	124.4	124.7	124.1	103.0	119.5	121.5	125.8	132.9	135.3	129.5	130.7	134.7
131.4	127.3	134.5	137.5	129.8	128.8	126.2	100.6	118.2	119.1	125.3	135.5	138.5	131.1	134.7	140.1
117.7	116.3	121.5	120.7	107.2	114.0	121.4	106.4	118.9	122.5	121.4	124.6	119.4	118.3	125.0	127.2
124.8	123.7	106.9	104.6	107.4	108.8	113.1	115.0	128.3	135.8	133.1	125.1	130.8	130.1	110.8	107.8
109.9	116.4	108.0	110.0	110.5	106.5	122.9	107.4	123.0	112.9	110.5	110.3	116.2	123.3	114.8	114.8
107.6	107.0	94.0	110.0	106.3	107.2	129.6	110.6	123.4	117.4	108.2	107.2	115.7	115.5	101.9	115.2
90.3	132.2	116.6	97.5	109.9	106.7	108.5	96.3	121.0	98.5	105.0	106.3	94.1	135.6	126.2	100.9
109.8	110.8	121.8	109.0	103.8	106.3	119.8	108.3	111.6	107.5	104.3	107.9	115.8	117.3	122.2	116.2
149.8	136.6	139.1	130.3	135.5	103.9	120.2	110.7	135.2	122.3	134.7	131.9	153.3	142.0	143.3	133.0

7c Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan – Bulanan

Industrial Production Index of Manufacturing Sector by Group – Monthly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2019		2020						
				Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
	68.25	C	PEMBUATAN MANUFACTURING	121.3	122.7	123.1	115.0	113.8	73.1	92.8	127.1	127.4
1	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	122.4	124.5	113.9	112.0	107.4	108.7	116.4	124.9	129.3
1.1	7.39	10	Pembuatan produk makanan Manufacture of food products	122.6	124.3	113.1	111.3	107.5	119.8	126.4	130.1	131.7
1.2	0.65	11	Pembuatan minuman Manufacture of beverages	134.0	135.6	123.1	112.6	106.8	66.7	78.9	97.5	110.9
1.3	0.52	12	Pembuatan produk tembakau Manufacture of tobacco products	106.2	113.2	115.3	122.2	107.2	2.6	19.8	84.9	117.8
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	141.2	131.2	127.2	126.4	122.5	32.5	72.9	115.1	104.5
2.1	0.58	13	Pembuatan tekstil Manufacture of textiles	128.6	109.2	114.9	120.4	112.6	41.8	72.6	101.1	97.7
2.2	0.60	14	Pembuatan pakaian Manufacture of wearing apparel	156.7	153.4	137.3	131.8	128.4	25.0	70.3	131.0	114.5
2.3	0.15	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	127.2	127.1	134.1	127.8	136.5	26.7	84.7	105.1	90.3
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	124.7	130.3	125.7	125.9	114.1	37.1	73.0	129.9	122.4
3.1	1.44	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	121.6	125.6	121.7	125.1	113.3	24.3	56.8	122.4	102.8
3.2	1.15	17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	124.9	128.7	119.7	122.9	111.9	64.9	95.7	128.8	125.8
3.3	0.93	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	120.3	135.8	124.7	117.7	101.7	51.6	80.3	118.1	131.7
3.4	1.04	31	Pembuatan perabot Manufacture of furniture	132.7	133.6	139.0	137.3	128.6	11.1	63.7	151.9	137.3
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	117.3	119.1	120.8	118.8	120.5	86.7	91.2	118.4	118.3
4.1	9.36	19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	117.8	116.4	125.1	119.9	117.5	66.3	69.7	100.3	98.4
4.2	6.37	20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	113.7	117.0	114.9	116.1	115.5	87.1	91.6	111.7	110.9
4.3	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	119.4	117.8	105.7	121.3	123.9	131.3	139.3	149.6	151.6
4.4	4.49	22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	121.1	127.9	121.3	120.3	133.4	125.1	131.3	162.9	167.5
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	119.3	119.7	124.6	113.2	105.8	43.9	65.3	105.6	113.4
5.1	2.97	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	123.4	126.3	122.9	114.0	106.3	32.7	58.3	98.6	111.0
5.2	2.35	24	Pembuatan logam asas Manufacture of basic metals	117.1	115.1	112.7	116.2	105.8	56.8	72.1	128.3	132.0
5.3	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	117.4	117.5	133.3	110.8	105.4	44.6	66.6	97.0	103.9
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	125.7	128.5	128.0	110.2	113.6	80.0	111.7	150.5	148.5
6.1	13.89	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	130.0	132.6	130.4	108.5	113.6	75.9	108.4	152.1	151.9
6.2	2.20	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	110.6	117.7	123.2	109.6	110.0	84.6	111.8	141.2	132.6
6.3	2.14	28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	113.8	113.4	117.5	121.6	117.4	101.6	132.5	149.7	142.9
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	115.4	111.5	124.6	112.6	110.5	34.6	68.0	122.1	121.8
7.1	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	110.3	112.2	129.1	116.3	112.2	35.2	65.5	128.7	129.3
7.2	1.19	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	114.2	109.9	112.1	100.1	103.4	29.1	63.6	103.2	89.6
7.3	0.74	32	Pembuatan lain Other manufacturing	114.9	114.3	123.8	114.3	103.0	20.7	56.0	113.0	120.8
7.4	0.76	33	Mbaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	139.2	108.7	126.0	115.2	122.1	54.5	96.8	133.0	141.9

2021															
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
124.7	127.3	127.4	123.7	127.8	127.5	120.1	128.3	122.8	120.4	126.9	119.1	125.4	132.3	137.6	137.7
131.5	131.9	120.1	111.7	114.6	114.0	103.7	115.2	122.5	117.2	116.9	115.2	122.8	134.6	131.3	126.2
133.6	134.0	120.9	111.2	112.8	112.9	101.5	114.7	122.4	118.4	127.9	125.5	131.5	140.6	131.7	126.1
120.1	119.5	119.6	118.2	130.6	120.1	111.9	116.7	136.1	117.9	83.0	88.0	120.0	127.1	137.1	132.9
117.1	117.2	109.8	112.2	119.3	122.1	125.5	120.2	106.1	99.4	3.1	2.4	2.4	59.2	118.4	117.9
106.8	120.2	127.4	135.6	132.9	126.1	125.1	133.6	107.4	102.0	98.4	92.5	102.8	119.4	131.4	143.8
102.8	112.9	111.9	123.8	111.1	115.2	120.0	129.1	102.1	102.5	111.9	100.2	104.0	124.0	120.5	137.5
115.2	132.4	148.7	151.7	154.3	133.4	128.4	134.2	102.3	90.7	90.3	91.5	108.3	123.0	148.4	155.4
88.3	98.7	101.3	116.0	131.1	139.2	131.6	148.2	148.9	146.2	79.0	67.0	76.2	86.8	104.6	121.1
117.9	127.4	124.4	127.5	134.6	128.8	127.0	126.8	116.0	111.7	106.3	93.3	104.9	120.8	126.1	139.5
102.3	116.0	115.8	121.5	126.5	118.3	120.1	119.2	109.1	107.7	100.3	79.2	100.0	113.8	121.8	136.6
114.2	129.6	119.5	129.4	135.5	130.1	130.7	131.7	122.5	114.2	129.0	122.8	129.8	147.9	139.9	154.6
123.8	122.3	120.2	123.7	141.7	125.9	119.8	112.8	116.5	110.8	94.2	98.8	110.6	118.7	119.9	125.8
138.4	145.0	145.5	137.0	138.6	144.5	139.1	144.4	117.9	115.3	99.9	75.5	79.1	102.1	122.4	139.0
116.2	119.0	122.4	119.6	128.3	126.2	129.4	137.5	119.3	122.9	140.8	135.2	132.5	126.2	130.1	129.8
96.9	98.7	104.5	104.9	112.0	109.7	115.8	115.7	93.3	107.0	117.6	122.6	116.3	107.9	114.9	121.3
110.1	113.1	112.2	108.2	119.0	115.2	120.3	126.5	106.2	103.6	128.7	115.1	122.3	121.1	124.9	118.9
150.7	161.1	150.0	135.9	138.4	125.7	147.3	153.5	149.9	149.4	166.1	165.1	170.3	184.8	177.7	162.0
162.3	166.3	171.9	165.2	174.5	176.4	169.3	197.3	189.5	181.5	204.3	187.7	177.5	166.8	164.9	160.4
113.5	114.9	117.9	116.4	118.1	123.4	110.2	114.2	105.8	97.5	83.2	82.1	98.8	111.7	122.0	125.2
113.7	111.8	120.9	120.8	125.9	123.3	113.1	115.6	102.9	86.3	70.8	69.8	93.7	100.5	119.3	125.2
123.4	123.2	122.4	120.5	119.3	118.1	114.6	114.2	113.7	104.8	93.6	91.5	111.8	124.4	126.8	128.0
107.2	112.3	112.7	110.5	111.3	126.7	105.2	113.2	103.1	101.8	86.3	86.0	94.7	112.4	121.2	123.5
138.7	143.5	144.9	136.1	138.3	138.2	121.5	129.3	136.1	135.9	163.2	145.9	152.2	161.2	164.6	160.4
141.8	149.3	151.7	142.5	144.3	142.2	121.8	130.6	134.3	134.9	166.2	149.4	155.9	168.0	172.0	168.0
127.1	135.0	134.1	115.3	122.4	130.9	116.0	120.1	135.2	130.5	150.2	131.4	133.1	147.5	150.4	134.2
130.3	115.2	112.0	116.5	116.4	119.7	124.5	130.2	148.8	147.4	157.5	138.0	147.3	131.2	131.6	138.3
127.6	119.9	118.7	122.9	120.9	124.4	116.3	133.7	129.9	114.8	69.9	68.5	83.8	104.7	123.9	128.5
129.0	115.6	124.4	126.1	132.1	131.0	124.8	149.8	152.0	128.6	55.2	57.0	69.6	95.5	130.7	130.5
117.4	112.5	93.3	112.0	106.5	108.8	99.3	105.8	90.2	82.0	80.2	68.7	105.7	114.1	95.5	115.6
124.9	130.8	122.0	115.7	111.6	121.5	109.5	114.3	110.4	109.5	78.9	76.3	82.6	119.2	128.0	123.2
140.6	138.7	131.5	133.8	105.8	124.0	113.8	129.2	119.0	114.2	106.3	108.4	110.1	114.1	135.8	145.2

7c Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan – Bulanan

Industrial Production Index of Manufacturing Sector by Group – Monthly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2021	2022								
				Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	
1	68.25	C	PEMBUATAN MANUFACTURING	138.5	136.1	126.4	137.2	130.4	128.8	145.2	136.9	144.5	
	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	126.3	121.6	110.5	119.9	127.7	122.7	126.1	128.1	136.8	
	1.1	7.39	10	Pembuatan produk makanan Manufacture of food products	124.9	120.8	107.8	119.3	126.3	123.4	128.0	132.0	141.5
	1.2	0.65	11	Pembuatan minuman Manufacture of beverages	142.4	129.4	121.0	125.0	150.6	129.6	132.7	132.8	137.8
2	0.52	12	Pembuatan produk tembakau Manufacture of tobacco products	126.9	123.7	137.1	122.2	118.6	104.0	90.0	67.8	69.5	
	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	138.5	132.4	131.1	140.7	112.5	107.1	110.6	109.1	116.1	
	2.1	0.58	13	Pembuatan tekstil Manufacture of textiles	119.8	124.8	127.7	135.9	106.3	106.1	116.0	110.9	114.0
	2.2	0.60	14	Pembuatan pakaian Manufacture of wearing apparel	157.4	137.3	132.9	143.0	109.4	95.5	96.5	100.4	111.0
3	0.15	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	134.3	141.8	137.1	150.5	149.5	158.2	147.0	137.1	145.4	
	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	143.4	139.9	133.1	136.2	127.7	121.5	124.6	119.3	122.3	
	3.1	1.44	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	137.2	131.6	128.2	131.1	117.7	117.9	118.1	112.8	113.1
	3.2	1.15	17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	152.4	149.2	138.8	138.1	132.3	122.6	142.6	139.9	145.6
4	0.93	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	145.9	127.6	120.8	116.6	126.4	120.3	112.5	108.9	119.8	
	1.04	31	Pembuatan perabot Manufacture of furniture	139.8	151.9	144.6	158.5	137.6	126.4	124.5	114.8	111.5	
	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	131.0	126.3	126.5	137.7	117.8	120.7	141.3	136.6	139.6	
	4.1	9.36	19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	112.8	111.8	114.1	129.9	92.4	109.1	130.5	129.6	131.2
5	6.37	20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	131.3	123.4	125.8	127.9	116.8	112.1	131.6	119.6	128.0	
	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	167.7	150.8	155.2	162.7	159.9	154.9	173.4	180.8	184.9	
	4.49	22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	165.5	158.5	150.6	165.8	168.7	154.3	174.9	171.5	170.0	
	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	124.4	131.1	116.1	120.6	111.2	102.7	104.0	101.7	112.2	
6	2.97	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	129.5	130.0	119.9	123.2	110.7	91.6	93.6	94.0	109.3	
	2.35	24	Pembuatan logam asas Manufacture of basic metals	128.3	125.7	120.6	125.4	121.4	113.1	111.3	111.6	124.5	
	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	118.1	135.2	110.2	115.6	105.1	104.8	107.7	101.6	107.0	
	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	163.5	158.1	137.1	153.3	155.4	157.1	190.8	171.1	182.0	
7	13.89	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	171.7	165.0	138.6	157.4	156.5	160.3	198.4	176.9	189.5	
	2.20	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	143.7	145.1	134.7	147.0	149.8	142.2	164.8	145.6	147.2	
	2.14	28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	130.5	127.0	129.9	133.7	153.6	151.2	168.4	159.8	168.9	
	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	122.5	129.5	125.6	135.9	137.4	129.1	132.8	118.9	130.1	
	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	129.9	137.6	137.1	149.0	159.7	147.1	154.1	131.1	144.1	
	1.19	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	109.2	110.7	103.0	108.4	96.2	89.9	92.3	83.8	112.6	
	0.74	32	Pembuatan lain Other manufacturing	116.4	123.5	117.1	119.1	112.9	121.2	111.3	112.0	100.2	
	0.76	33	Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	118.6	131.6	121.5	141.2	132.8	123.2	128.3	130.2	128.4	

2023															
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
146.1	143.4	144.4	142.6	137.9	132.4	142.8	126.5	135.4	142.8	136.6	143.6	146.7	144.7	144.3	140.6
141.3	133.5	132.2	130.6	127.0	122.0	129.0	121.5	137.0	129.7	133.1	142.1	148.4	142.2	143.9	138.0
145.7	136.5	132.4	130.8	125.5	121.0	127.9	119.4	136.0	130.8	136.6	146.9	153.2	145.3	145.1	138.2
142.1	138.7	140.1	143.4	127.2	118.2	124.2	142.4	143.9	134.9	135.3	138.2	143.0	145.6	146.2	153.0
77.0	85.1	119.9	111.1	147.9	142.4	151.9	126.2	141.6	107.9	79.4	77.9	86.6	93.6	124.4	116.5
129.0	129.1	144.9	137.9	130.0	133.6	143.4	115.3	113.6	114.1	111.0	116.1	128.5	131.0	145.8	134.7
130.8	122.0	132.6	118.8	119.0	123.5	132.5	102.9	105.0	109.1	103.9	108.2	121.9	114.8	126.2	111.5
123.5	136.4	155.8	153.0	135.2	140.2	148.8	115.3	105.3	109.1	108.6	115.3	129.3	144.9	161.0	149.6
144.4	126.9	148.2	151.0	152.1	145.8	163.9	163.1	181.0	153.6	148.0	149.9	150.9	137.6	160.3	164.5
131.3	126.5	134.6	137.2	131.3	132.6	129.6	120.2	125.4	124.4	119.5	124.6	131.9	132.5	139.4	142.2
122.1	121.9	120.7	119.6	112.5	125.0	119.5	106.0	116.2	113.6	109.0	111.8	117.5	124.0	118.5	116.0
162.6	143.4	155.2	156.0	152.5	146.6	142.8	134.1	131.1	145.5	142.3	150.4	168.2	150.1	167.7	165.1
127.3	126.4	136.8	151.4	130.9	126.7	120.9	130.3	131.1	121.3	117.8	131.7	138.6	138.1	140.9	158.2
112.8	114.2	128.9	128.1	134.1	133.0	136.5	115.5	126.7	118.6	110.3	107.6	105.9	119.7	135.5	139.0
134.4	134.2	130.3	129.9	128.9	128.8	141.2	113.9	124.4	134.7	131.1	136.3	131.4	134.1	130.4	126.4
124.5	127.1	123.2	116.7	124.2	121.5	138.2	93.8	115.7	116.4	116.5	121.3	114.9	122.0	121.0	111.3
126.2	125.1	124.7	131.8	124.6	129.2	133.7	118.2	118.9	140.8	128.4	137.9	133.6	132.9	127.8	130.3
191.1	181.9	165.0	175.9	155.9	169.3	170.8	163.9	160.1	165.3	174.0	176.2	178.3	177.9	154.3	175.5
161.8	157.7	150.2	150.9	142.4	139.8	155.5	145.3	147.1	161.7	161.6	162.2	158.9	157.2	151.5	148.3
118.8	125.7	126.6	127.1	130.3	123.6	126.6	114.8	111.0	109.4	106.2	116.8	128.0	132.7	135.5	134.8
110.7	123.5	125.4	132.3	131.5	126.1	128.7	112.7	95.0	96.9	96.8	113.0	119.5	131.6	134.1	139.3
126.1	129.1	129.8	124.4	119.8	126.8	131.6	125.1	121.2	116.4	114.2	125.0	133.2	132.3	135.3	125.8
120.7	125.4	125.5	124.7	135.8	119.6	121.9	110.2	117.3	114.9	108.6	114.7	131.5	133.9	136.7	136.8
186.3	179.0	179.8	175.3	158.8	144.6	161.8	151.7	160.0	184.0	168.3	175.6	182.5	172.1	167.6	163.5
196.1	189.7	191.7	184.7	166.3	147.6	166.9	153.7	161.1	190.4	174.1	182.3	192.4	181.5	175.1	171.3
161.5	157.2	139.3	146.4	141.1	137.0	147.3	142.1	153.0	164.2	146.6	147.8	161.0	153.3	137.9	135.3
148.1	132.1	144.2	143.9	128.6	133.1	143.5	148.9	160.6	163.3	153.5	160.8	140.8	129.8	149.2	141.5
127.4	123.4	136.8	133.0	139.9	136.0	144.6	125.0	145.4	135.1	129.1	134.6	130.7	132.3	138.7	132.2
129.5	123.3	142.8	145.2	154.3	150.2	163.6	134.9	170.8	153.8	146.6	149.6	132.9	136.4	143.4	141.5
122.8	107.1	119.0	112.1	111.1	108.6	110.4	96.9	96.3	98.6	87.1	115.1	125.2	108.9	121.3	111.6
122.9	128.5	129.8	119.6	124.7	122.9	120.1	113.5	131.6	112.3	113.2	100.7	123.8	133.2	133.4	126.9
129.7	143.8	146.7	127.7	139.4	133.0	142.8	139.1	130.1	135.9	137.4	135.8	136.8	150.7	151.4	131.0

7c Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan – Bulanan
Industrial Production Index of Manufacturing Sector by Group – Monthly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2024								
				Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
1	68.25	C	PEMBUATAN MANUFACTURING	143.1	134.1	144.6	132.7	141.6	150.2	147.2	153.0	151.3
	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	132.8	119.4	127.3	127.5	143.4	139.0	147.3	157.7	154.1
	1.1	7.39	10 Pembuatan produk makanan Manufacture of food products	131.0	116.5	124.3	124.8	142.1	139.2	151.0	163.2	158.3
	1.2	0.65	11 Pembuatan minuman Manufacture of beverages	136.4	122.6	131.9	150.3	150.7	145.6	144.4	148.4	153.1
2	0.52	12	Pembuatan produk tembakau Manufacture of tobacco products	154.0	157.5	164.8	137.8	151.9	128.2	98.0	89.8	95.6
	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	132.8	130.4	150.1	120.1	118.5	117.4	119.4	122.6	130.4
	2.1	0.58	13 Pembuatan tekstil Manufacture of textiles	119.6	123.6	134.3	107.9	113.4	116.3	111.7	114.4	119.0
	2.2	0.60	14 Pembuatan pakaian Manufacture of wearing apparel	137.3	130.8	160.2	120.3	107.5	107.9	117.6	120.7	132.7
3	0.15	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	165.6	155.6	170.2	167.1	183.4	159.9	156.3	162.6	165.0
	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	139.3	135.2	136.0	128.7	130.2	131.1	129.8	132.9	137.7
	3.1	1.44	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	113.4	119.5	122.6	111.0	118.3	119.4	119.6	117.1	124.6
	3.2	1.15	17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	163.0	151.9	143.9	138.7	132.7	150.7	153.5	158.1	167.3
4	0.93	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	139.8	131.2	127.2	141.4	141.4	133.2	134.5	145.9	150.9
	1.04	31	Pembuatan perabot Manufacture of furniture	148.4	141.8	153.7	130.6	134.1	123.8	113.6	115.5	111.4
	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	132.1	130.4	141.7	120.7	124.3	144.3	143.2	140.4	133.5
	4.1	9.36	19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	120.4	124.2	140.8	99.3	109.4	131.0	130.1	119.5	111.6
5	6.37	20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	132.1	125.6	128.4	124.1	122.0	143.8	136.5	142.3	137.3
	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	161.7	180.1	180.9	176.3	167.1	179.8	186.8	186.1	188.0
	4.49	22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	154.0	146.1	159.3	155.6	154.9	169.6	176.5	177.2	168.9
	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	140.6	130.3	136.2	127.1	118.9	120.7	117.3	127.4	137.9
6	2.97	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	140.2	132.5	138.5	125.4	104.3	105.5	108.6	123.5	127.5
	2.35	24	Pembuatan logam asas Manufacture of basic metals	122.9	128.5	134.4	133.8	127.7	125.7	126.2	133.7	140.7
	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	151.9	129.7	135.4	124.3	124.9	129.4	118.5	126.5	144.5
	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	160.2	145.0	164.1	150.6	171.0	190.9	176.7	188.3	191.4
7	13.89	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	167.0	148.0	170.3	151.5	174.7	199.7	182.8	198.2	203.8
	2.20	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	143.1	134.0	142.9	139.7	154.5	155.6	151.2	149.6	162.0
	2.14	28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	133.9	137.0	145.7	155.8	164.5	169.8	163.6	164.1	141.5
	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	152.3	140.2	138.2	141.9	157.5	129.3	135.5	143.2	121.3
8	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	173.0	154.5	147.2	162.2	188.4	137.3	152.4	161.1	113.2
	1.19	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	116.9	113.2	113.5	100.3	102.7	102.6	91.2	117.6	127.3
	0.74	32	Pembuatan lain Other manufacturing	127.1	124.6	124.7	119.4	134.9	118.9	121.1	104.1	126.2
	0.76	33	Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	146.2	137.9	152.6	144.8	136.9	147.7	148.3	147.2	140.9

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OBJEKTIF

Objektif utama penerbitan ini ialah untuk menyediakan indikator tambahan kepada pengguna dalam menilai prestasi semasa sektor Pembuatan di Malaysia.

SKOP DAN LIPUTAN

Data kapasiti penggunaan Pembuatan dipungut dalam Survei Pembuatan Bulanan yang meliputi seluruh Malaysia. Penerbitan ini memaparkan statistik kapasiti penggunaan industri Pembuatan di Malaysia di peringkat Bahagian (2-digit), Kumpulan (3-digit) dan negeri mulai Januari 2015 yang diterbitkan buat kali pertama pada Mei 2023.

Statistik 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).

Sektor Pembuatan
2 5 1
Industri
Seksyen C - 24 Bahagian yang terdiri daripada 71 kumpulan aktiviti pembuatan

MSIC (2-digit)	Keterangan Subsektor
10, 11, 12	Makanan, minuman dan tembakau
13, 14, 15	Tekstil, pakaian, kulit dan kasut
16, 17, 18, 31	Produk kayu, perabot, keluaran kertas dan percetakan
19, 20, 21, 22	Petroleum, kimia, getah dan plastik
23, 24, 25	Produk mineral bukan logam, logam asas dan produk logam yang direka
26, 27, 28	Produk elektrik dan elektronik
29, 30, 32, 33	Kelengkapan pengangkutan dan pembuatan lain

SUMBER STATISTIK

Rangka statistik bagi survei ini adalah daripada *Malaysia Statistical Business Register* (MSBR). MSBR adalah senarai pertubuhan/perusahaan yang beroperasi di Malaysia yang merangkumi Daftar Syarikat (ROC), Daftar Perniagaan (ROS) dan Perkongsian Liabiliti Terhad (LLP) yang berdaftar dengan Suruhanjaya Syarikat Malaysia (SSM) serta pertubuhan yang berdaftar dengan pihak berkuasa tempatan (PBT) dan badan profesional. Senarai di MSBR dikemaskini secara berkala berdasarkan survei dan banci yang dijalankan oleh Jabatan Perangkaan Malaysia (DOSM) dan sumber data pentadbiran daripada agensi lain. Sumber utama data pentadbiran adalah daripada SSM. Selain itu, DOSM juga bekerjasama untuk mendapatkan maklumat terkini daripada agensi lain seperti Kumpulan Wang Simpanan Pekerja (KWSP), Jabatan Kastam Diraja Malaysia (JKDM), Lembaga Hasil Dalam Negeri Malaysia (LHDNM) dan PBT.

Rangka dikemaskini dengan mengambil kira pertubuhan baharu dan merekodkan perubahan status yang berlaku terhadap pertubuhan tersebut seperti tutup, tidak beroperasi, perubahan jenis aktiviti dan lokasi perniagaan/ alamat pos bagi memastikan maklumat yang terdapat dalam rangka adalah yang terkini.

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 industri bagi pertubuhan adalah berasaskan kepada aktiviti utama berdasarkan kepada Piawaian Klasifikasi Industri Malaysia (MSIC 2008) Versi 1.0. MSIC 2008 adalah selaras dengan *International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4, United Nations* dengan pengubahsuaian mengikut keperluan tempatan.

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 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.

Kapasiti penggunaan merujuk kepada nisbah output sebenar yang dihasilkan berbanding pengeluaran output pada kapasiti penuh melalui gabungan optimum mesin, bahan mentah dan buruh.

Industri berorientasikan Eksport dikelaskan berdasarkan kepada threshold nilai eksport melebihi 50 peratus daripada nilai jualan di peringkat agregat MSIC 3-digit dan 2-digit manakala industri dengan nilai eksport di bawah threshold berkenaan dikelaskan sebagai **industri berorientasikan Domestik**. Penentuan pengelasan tersebut dibuat menggunakan data daripada Banci Ekonomi 2011, Banci Ekonomi 2016, Survei Ekonomi Tahunan 2018 dan Statistik Perdagangan Luar Negeri Bulanan.

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 (3) substrata untuk memastikan sampel yang diagihkan mengambil kira ciri-ciri ekonomi strata tersebut. Substrata utama bersifat heterogen dan diliputi secara penuh, manakala substrata selainnya 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 Mikro, Kecil dan Sederhana (PMKS).

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:

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

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

Di mana:

S_i^2	varian bagi strata i	V	varian sasaran
N	saiz populasi bagi strata i	n	saiz sampel

Di mana:

$\hat{Y}_i$	saiz populasi bagi strata i	RSE	ralat piawai relatif
Z	nilai aras keyakinan		

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

$$n_{hi} = \left(\frac{N_h S_h}{\sum N_h S_h} \right) n_i \quad \begin{matrix} h = 2, 3 \text{ dan } 4 \\ i = 1, 2, \dots \end{matrix}$$

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.

PROSEDUR PENGIRAAN

Statistik kapasiti penggunaan Pembuatan disusun mengikut subsektor, Bahagian (2-digit), Kumpulan (3-digit) dan negeri. Pengiraan statistik kapasiti penggunaan Pembuatan (CU) di peringkat Malaysia (1-digit),

$$CU(1D) = \frac{\sum_{k=1}^{24} [CU(2D) \times WVA(2D)]_k}{WVA(1D)}$$

Di mana:

$WVA(2D)$	Wajaran nilai ditambah bagi MSIC Bahagian (2-digit)	k	1, 2, 3, ..., 24 iaitu 24 Bahagian (2-digit)
$CU(2D)$	CU bagi MSIC Bahagian (2-digit)	$WVA(1D)$	1

Prosedur pengiraan yang sama digunakan untuk mendapatkan kapasiti penggunaan Pembuatan di peringkat negeri.

UNIT PELAPOR

Unit pelapor bagi survei ini ialah pertubuhan. Sesebuah pertubuhan secara ideal ditakrifkan sebagai “satu unit ekonomi yang bergiat di bawah satu hak milik atau penguasaan tunggal, iaitu di bawah satu entiti yang sah dan menjalankan satu jenis aktiviti ekonomi utama di satu lokasi fizikal”. Setiap pertubuhan diberikan klasifikasi industri berdasarkan aktiviti utamanya dan bukannya mengikut aktiviti syarikat induk. Bagi kes entiti yang mempunyai pelbagai aktiviti, unit yang terlibat dalam aktiviti yang berlainan dalam lokasi yang sama membentuk 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 praktis akaun biasanya disediakan secara berpusat kerana kesukaran untuk memperoleh data yang berasingan bagi setiap unit atau cawangan. Entiti atau ‘enterprise’ ini akan dianggap sebagai satu unit pelapor dan dibenarkan mengemukakan soal selidik yang menggabungkan semua unit atau cawangannya.

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.

PINDAAN

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

SIMBOL DAN SINGKATAN

Simbol-simbol berikut telah digunakan dalam keseluruhan penerbitan:

t.t.t.l.	Tidak terkelas di tempat lain	ST	Suku Tahunan
%	Peratus	CU	Kapasiti Penggunaan
W.P.	Wilayah Persekutuan		

OBJECTIVE

The main objective of this publication is to provide additional indicators for the users in assessing the performance of the Manufacturing sector in Malaysia.

SCOPE AND COVERAGE

Manufacturing capacity utilisation data was collected from the Monthly Manufacturing Survey which covered the whole Malaysia. This publication presents statistics on the Manufacturing capacity utilisation at Division (2-digit), Group (3-digit) and state level since January 2015 which was released for the first time in May 2023.

Statistics 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).

Manufacturing sector
2 5 1
Industries
Section C - 24 Divisions consist of 71 groups in manufacturing activities

MSIC (2-digit)	Sub-sector Description
10, 11, 12	Food, beverages and tobacco
13, 14, 15	Textiles, wearing apparel, leather and footwear
16, 17, 18, 31	Wood products, furniture, paper products and printing
19, 20, 21, 22	Petroleum, chemical, rubber and plastic
23, 24, 25	Non-metallic mineral products, basic metal and fabricated metal products
26, 27, 28	Electrical and electronic products
29, 30, 32, 33	Transport equipment and other manufactures

STATISTICAL FRAME

The statistical frame of this survey is from the Malaysia Statistical Business Register (MSBR). MSBR is a list of organisations/ enterprises operating in Malaysia that includes the Register of Companies (ROC), Register of Business (ROB) and Limited Liability Partnership (LLP) registered with the Companies Commission of Malaysia (CCM) as well as organisations registered with local authorities (PBT) and professional bodies. The list in MSBR is updated regularly based on surveys and censuses conducted by the Department of Statistics Malaysia (DOSM) and administrative data sources from various agencies. The main source of administrative data is from the CCM. In addition, DOSM also works together to obtain the latest information from other agencies such as the Employees' Provident Fund (EPF), the Royal Malaysian Customs Department (JKDM), the Inland Revenue Board of Malaysia (LHDNM) and PBT.

The frame is updated to take into account new establishments and to record any changes in the Status of the establishments such as closed down, not in operation, change in activity and location/ correspondence address to ensure the frame is at the current status.

TYPE OF BUSINESS

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 based on the Malaysia Standard Industrial Classification (MSIC 2008) Version 1.0. The MSIC 2008 conforms to the International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4, United Nations, with modifications to suit local conditions.

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 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.

Capacity utilisation refers to a ratio of actual output produced to the production of output at full capacity through an optimal combination of machinery, raw materials and labour.

Export-oriented industry classified based on the threshold of value of exports exceeding 50 per cent of the sales value at aggregated of MSIC 3-digit and 2-digit while the industries which value of exports below the threshold are classified as **Domestic-oriented industry**. The determination of classification was conducted using data from the Economic Census 2011, Economic Census 2016, Annual Economic Survey 2018 and Monthly External Trade Statistics.

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 (3) 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 Micro, Small and Medium Enterprise (SME) categories.

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;

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

Where:

S_i^2	variance for stratum i	V	desired variance
N	population size for stratum i	n	sample size

Where

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

Z	value of confidence level	RSE	relative standard error
$\hat{Y}_i$	estimated sales value for stratum i		

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

$$n_{hi} = \left(\frac{N_h S_h}{\sum N_h S_h} \right) n_i \quad \begin{matrix} h = 2, 3 \text{ and } 4 \\ i = 1, 2, \dots \end{matrix}$$

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.

COMPUTATIONAL PROCEDURE

Manufacturing capacity utilisation statistics was compiled by sub-sector, Division (2-digit), Group (3-digit) and state. Calculation of Manufacturing capacity utilisation (CU) at Malaysia level (1-digit),

$$CU(1D) = \frac{\sum_{k=1}^{24} [CU(2D) \times WVA(2D)]_k}{WVA(1D)}$$

Where:

$WVA(2D)$	weighted of value-added by MSIC Division (2-digit)	k	1,2,3,...,24 which 24 Division (2-digit)
$CU(2D)$	CU by MSIC Division (2-digit)	$WVA(1D)$	1

The same procedure was used to derive Manufacturing capacity utilisation at the state level.

REPORTING UNIT

The reporting unit used in the survey was the establishment. The 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 organization 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.

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.

REVISIONS

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

SYMBOLS AND ABBREVIATIONS

The following symbols have been used throughout the publication:

n.e.c	Not elsewhere classified	Q	Quarter
%	Percent	CU	Capacity Utilisation
W.P.	Wilayah Persekutuan		