



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

2024
SUKU KEEMPAT
FOURTH QUARTER

STATISTIK
KAPASITI PENGGUNAAN
INDUSTRI PEMBUATAN
MANUFACTURING INDUSTRY
CAPACITY UTILISATION STATISTICS

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA



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Dikeluarkan pada: **25** **Februari** **2025**
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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".

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".

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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 Disember 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

Februari 2025

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 December 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

February 2025



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Ringkasan Penemuan

Summary of Findings

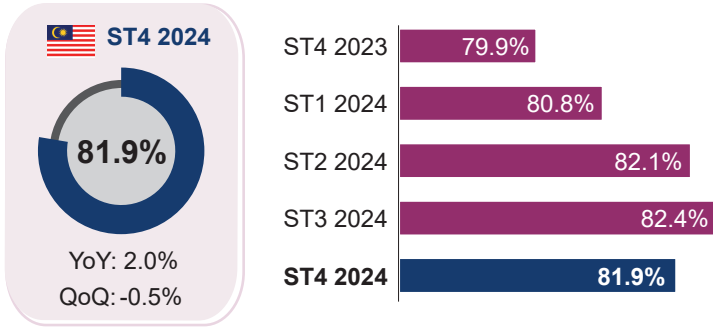
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- 2.0 **Prestasi Kapasiti Penggunaan Industri Pembuatan di Malaysia, Suku Keempat 2024**
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STATISTIK KAPASITI PENGGUNAAN INDUSTRI PEMBUATAN, SUKU KEEMPAT 2024

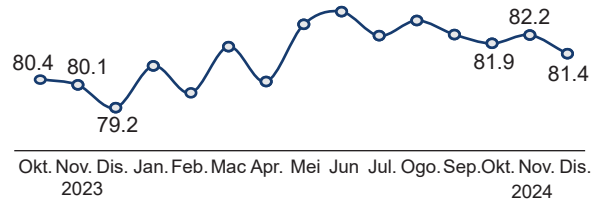
Suku Keempat 2024



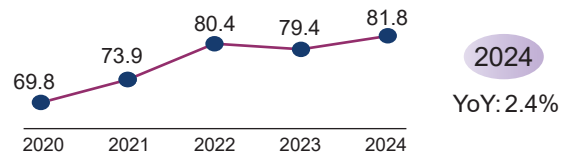
YoY: Perubahan mata peratus tahun ke tahun
QoQ: Perubahan mata peratus suku tahun ke suku tahun

Kapasiti Penggunaan Industri Pembuatan (%)

Kapasiti Penggunaan Industri Pembuatan (%), Okt. 2023 - Dis. 2024



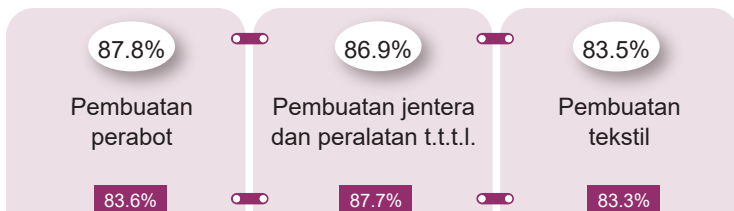
Kapasiti Penggunaan Industri Pembuatan (%), 2020 - 2024



Tiga industri dengan kapasiti penggunaan tertinggi dalam industri berorientasikan eksport dan domestik, ST4 2024

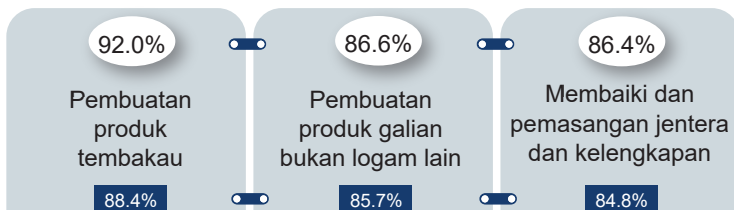
Industri Berorientasikan Eksport

80.9%



Industri Berorientasikan Domestik

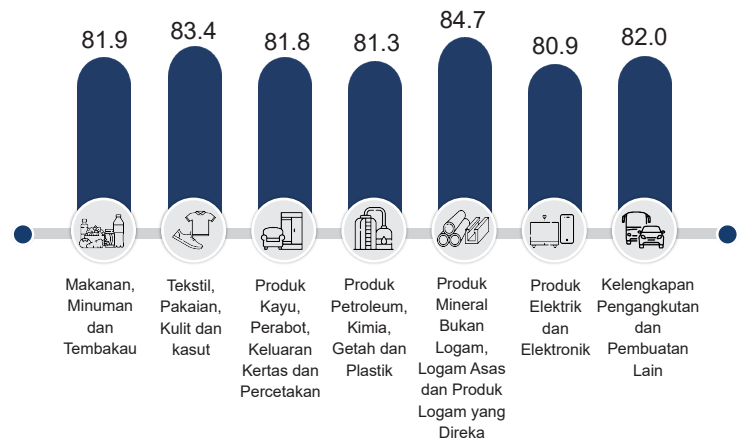
83.9%



ST4 2024 ST3 2024

Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor

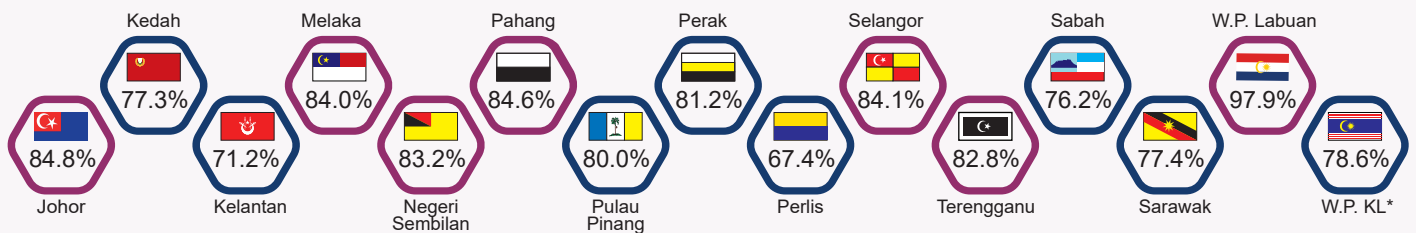
ST4 2024



Kapasiti Penggunaan Industri Pembuatan (%)

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

Kapasiti Penggunaan Industri Pembuatan mengikut Negeri



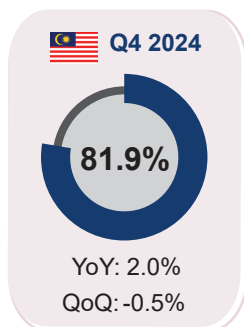
Melebihi kadar kapasiti penggunaan nasional pada ST4 2024

Nota: * termasuk W.P. Putrajaya | W.P. - Wilayah Persekutuan | KL - Kuala Lumpur | ST - Suku Tahun | t.t.t.l. - Tidak Terkelas di Tempat Lain



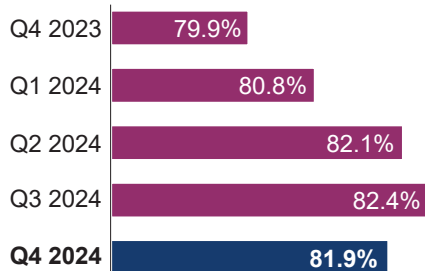
MANUFACTURING INDUSTRY CAPACITY UTILISATION STATISTICS, FOURTH QUARTER 2024

Fourth Quarter of 2024

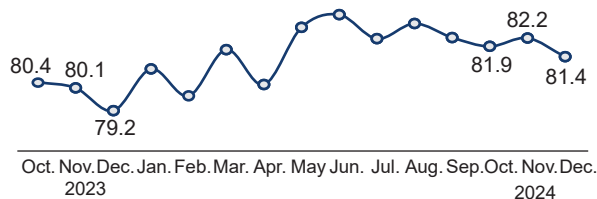


YoY: Year-on-year percentage points change
QoQ: Quarter-on-quarter percentage points change

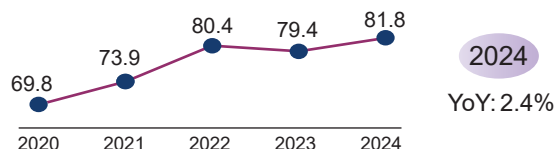
Manufacturing Industry Capacity Utilisation (%)



Manufacturing Industry Capacity Utilisation (%), Oct. 2023 - Dec. 2024



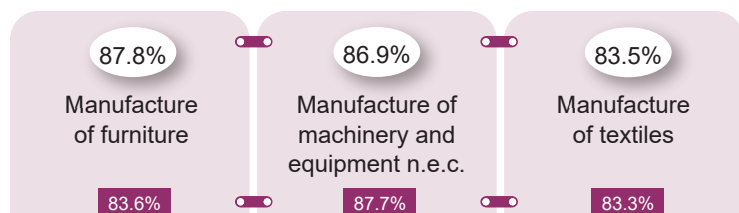
Manufacturing Industry Capacity Utilisation (%), 2020 - 2024



Three industries with the highest capacity utilisation in **export-oriented** and **domestic-oriented industries**, Q4 2024

Exports-oriented industries

80.9%



Domestic-oriented industries

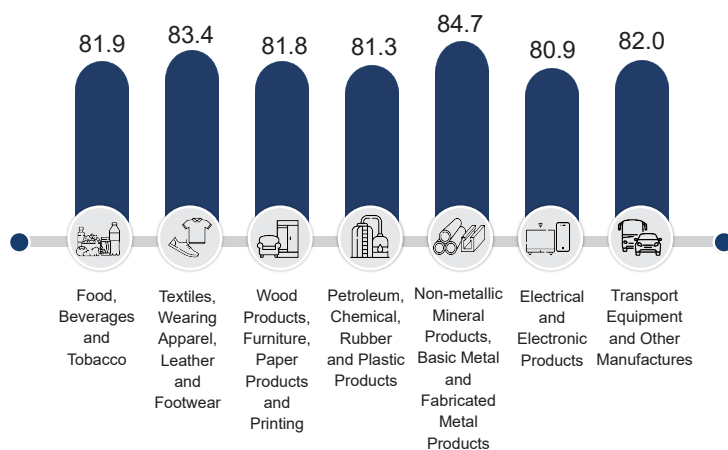
83.9%



Q4 2024 Q3 2024

Manufacturing Industry Capacity Utilisation by Sub-sector

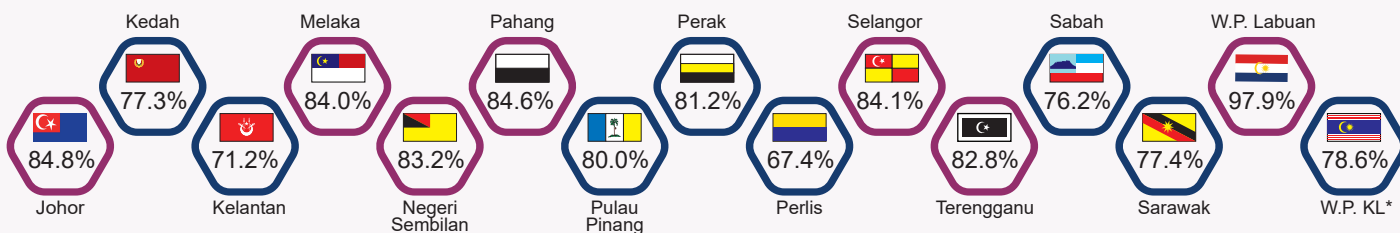
Q4 2024



Manufacturing Industry Capacity Utilisation (%)

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

Manufacturing Industry Capacity Utilisation by State



Above national rate of capacity utilisation in Q4 2024

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





1.0 Pengenalan

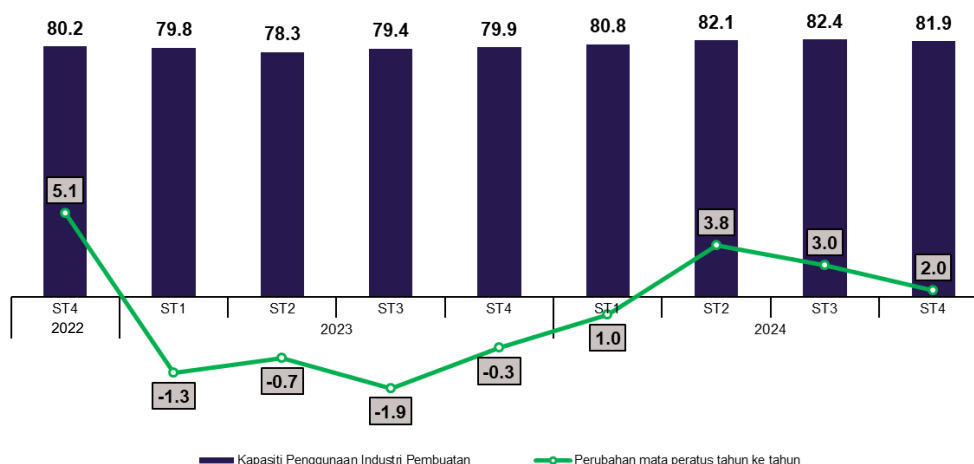
Penerbitan ini memaparkan statistik kapasiti penggunaan bagi industri Pembuatan yang diperoleh daripada Survei Pembuatan Bulanan yang dijalankan oleh Jabatan Perangkaan Malaysia. Statistik yang dilaporkan dalam penerbitan ini adalah daripada tempoh suku pertama 2017 hingga suku keempat 2024 di peringkat nasional dan negeri. Selain itu, data tahunan dan bulanan turut 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 selari dengan Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Ver. 1.0.

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

Kapasiti penggunaan industri Pembuatan adalah 81.9 peratus pada suku keempat 2024, meningkat 2.0 mata peratus berbanding suku yang sama pada tahun sebelumnya (ST4 2023: 79.9%). Berbanding suku tahun sebelumnya, kapasiti penggunaan industri Pembuatan menyusut marginal sebanyak 0.5 mata peratus (ST3 2024: 82.4%) (**Paparan 1**).

Paparan 1 : Kapasiti Penggunaan Industri Pembuatan, ST4 2022 - ST4 2024



Kadar kapasiti penggunaan melebihi 80 peratus direkodkan sepanjang suku keempat 2024. Pada Oktober 2024, industri Pembuatan beroperasi pada 81.9 peratus, menunjukkan peningkatan 1.5 mata peratus berbanding tahun sebelumnya, sementara 82.2 peratus pada November 2024 (+2.1 mata peratus); dan 81.4 peratus pada Disember 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 Keempat 2024

Pada suku ini, subsektor Produk mineral bukan logam, logam asas & produk logam yang direka mencatatkan kadar kapasiti penggunaan tertinggi iaitu 84.7 peratus; diikuti oleh Produk tekstil, pakaian, kulit & kasut (83.4%); dan Kelengkapan pengangkutan & pembuatan lain (82.0%). Sebaliknya, kadar terendah direkodkan oleh subsektor Produk elektrik & elektronik (80.9%) (**Paparan 2**).

Berbanding dengan suku tahun sebelum, subsektor yang mencatatkan kenaikan pada suku keempat 2024 dengan peningkatan tertinggi dapat dilihat dalam subsektor Produk kayu, perabot, keluaran kertas & percetakan meningkat sebanyak 1.4 mata peratus. Manakala, subsektor Kelengkapan pengangkutan & pembuatan lain menurun 1.8 mata peratus.

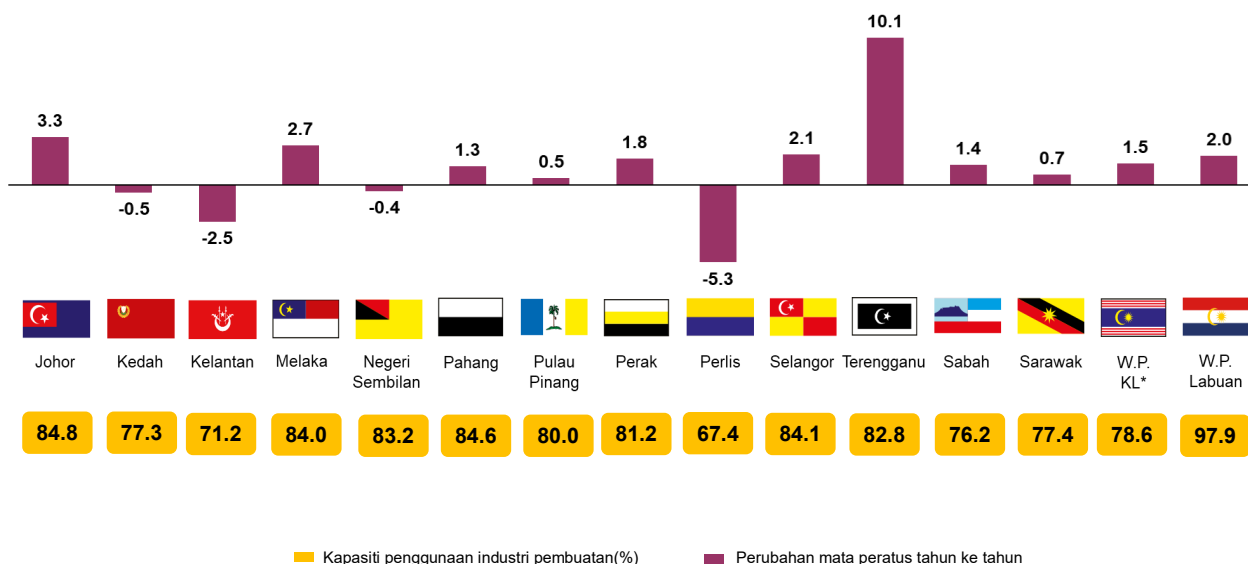
Paparan 2: Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor, ST4 2024

		Kapasiti penggunaan industri Pembuatan (%)	Perubahan mata peratus tahun ke tahun	Perubahan mata peratus suku tahun ke suku tahun
	Makanan, minuman dan tembakau	81.9	1.5	-0.6
	Tekstil, pakaian, kulit dan kasut	83.4	2.9	0.4
	Produk kayu, perabot, keluaran kertas dan percetakan	81.8	1.8	1.4
	Petroleum, kimia, getah dan plastik	81.3	3.4	-0.8
	Produk mineral bukan logam, logam asas dan produk logam yang direka	84.7	1.5	1.0
	Produk elektrik dan elektronik	80.9	1.4	-1.3
	Kelengkapan pengangkutan dan pembuatan lain	82.0	-0.2	-1.8

4.0 Kapasiti Penggunaan Industri Pembuatan mengikut Negeri

Tujuh negeri mempamerkan kadar kapasiti penggunaan melebihi paras kadar nasional pada suku keempat 2024, iaitu WP Labuan (97.9%), Johor (84.8%), Pahang (84.6%), Selangor (84.1%), Melaka (84.0%), Negeri Sembilan (83.2%) dan Terengganu (82.8%). Sebaliknya, kadar kapasiti penggunaan terendah dicatatkan oleh Perlis pada 67.4 peratus dengan penurunan 5.3 mata peratus berbanding suku sama tahun sebelumnya (**Paparan 3**).

Paparan 3: Kapasiti Penggunaan Industri Pembuatan mengikut Negeri, ST4 2024



*Termasuk W.P. Putrajaya

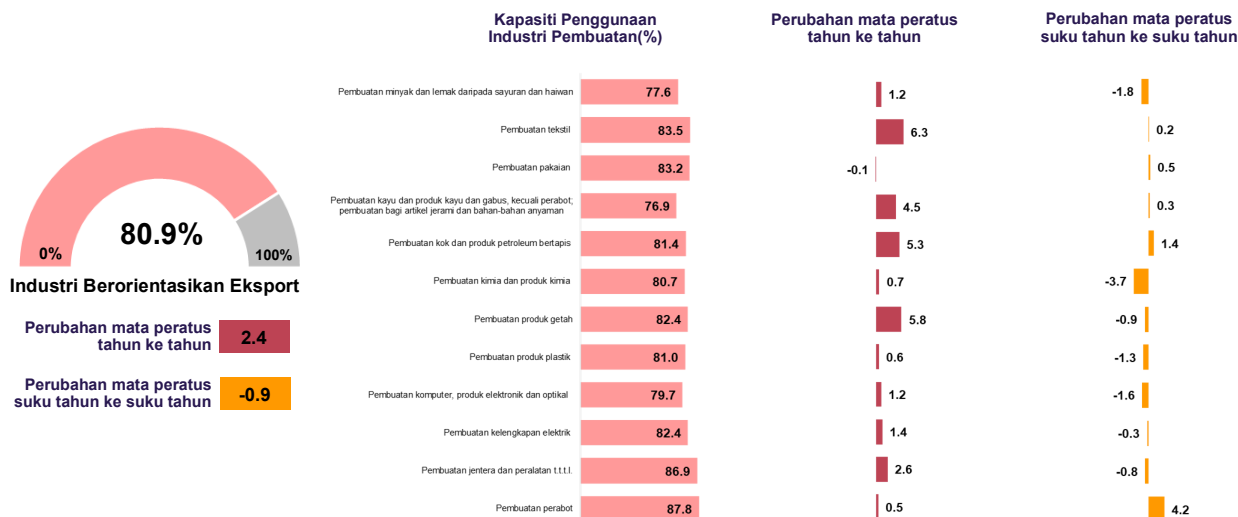
5.0 Kapasiti Penggunaan dalam Industri Berorientasikan Eksport dan Domestik

Kapasiti penggunaan bagi industri berorientasikan eksport meningkat sebanyak 2.4 mata peratus kepada 80.9 peratus (ST4 2023: 78.5%) (**Paparan 4**). Kenaikan ini terutamanya disebabkan oleh peningkatan kadar kapasiti penggunaan dalam industri Pembuatan perabot (87.8%) sebanyak 0.5 mata peratus; serta peningkatan 2.6 mata peratus dalam industri Pembuatan jentera & peralatan t.t.t.l. (86.9%). Namun begitu, dua industri merekodkan kapasiti penggunaan di bawah 80 peratus iaitu Pembuatan minyak & lemak daripada sayuran & haiwan (77.6%); dan Pembuatan kayu & produk kayu & gabus, kecuali perabot, pembuatan bagi artikel jerami & bahan-bahan anyaman (76.9%).

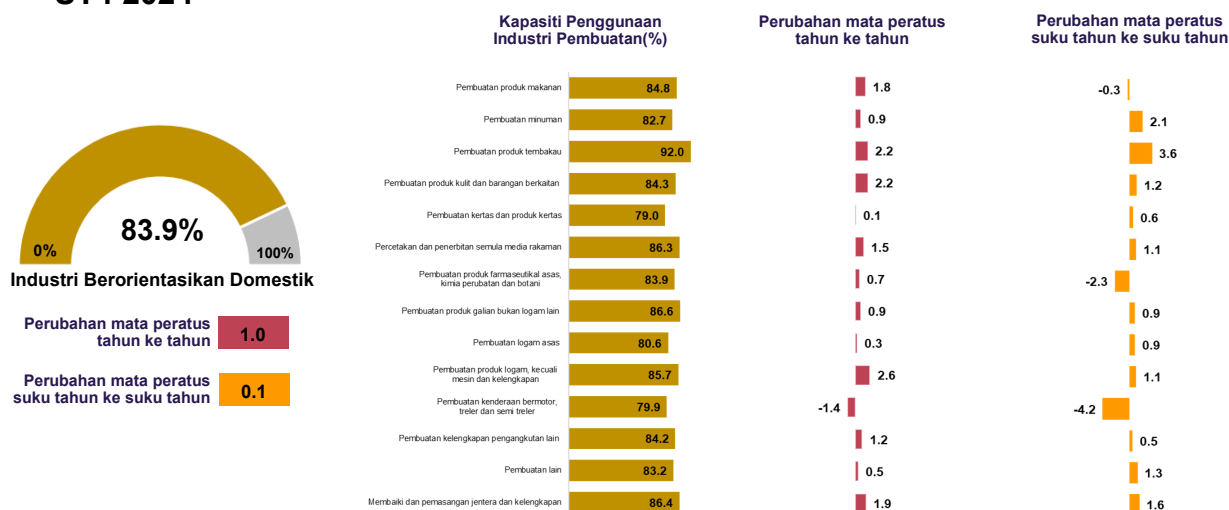
Pada masa yang sama, industri berorientasikan domestik kekal positif walaupun pada kadar yang lebih perlahan iaitu 1.0 mata peratus kepada 83.9 peratus pada suku keempat 2024 (**Paparan 5**). Peningkatan itu terutamanya dipengaruhi oleh industri Pembuatan produk tembakau (92.0%); dan Pembuatan produk galian bukan logam lain (86.6%); masing-masing meningkat 2.2 mata peratus dan 0.9 mata peratus. Sebaliknya, kadar kapasiti penggunaan terendah kekal dicatatkan oleh industri Pembuatan kertas dan produk kertas dengan 79.0 peratus.

Bagi perbandingan dengan suku tahun sebelum, industri berorientasikan eksport menyusut marginal sebanyak 0.9 mata peratus, sementara industri berorientasikan domestik bertumbuh 0.1 mata peratus.

Paparan 4: Kapasiti Penggunaan Industri Pembuatan Berorientasikan Eksport, ST4 2024



Paparan 5: Kapasiti Penggunaan Industri Pembuatan Berorientasikan Domestik, ST4 2024



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

Bagi suku tahun keempat 2024, IPP meningkat sebanyak 3.4 peratus berbanding 3.9 peratus yang dicatatkan pada suku tahun ketiga 2024. Peningkatan ini disokong oleh sektor Pembuatan dengan pertumbuhan 4.5 peratus berbanding 5.8 peratus pada suku tahun ketiga 2024. Selain itu, IPP bagi sektor Perlombongan merosot sebanyak 1.1 peratus (ST3 2024: -4.6%), manakala sektor Elektrik mencatatkan pertumbuhan sebanyak 3.1 peratus (ST3 2024: 5.0%). Bagi perbandingan suku tahun ke suku tahun, IPP meningkat sebanyak 2.0 peratus.

1.0 Introduction

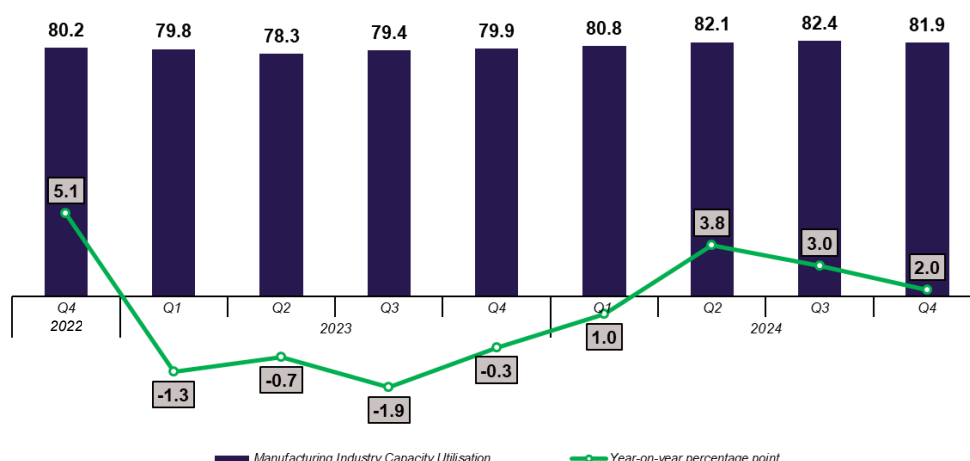
This publication presents statistics on capacity utilisation for Manufacturing industries acquired from the Monthly Manufacturing Survey conducted by the Department of Statistics, Malaysia. The statistics reported in this publication are from the period of the first quarter of 2017 to the fourth quarter 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 publication is based on the International Recommendations for Industrial Statistics 2008, United Nations Statistics Division while the definition of Manufacturing is aligned with Malaysia Standard Industrial Classification (MSIC) 2008 Ver. 1.0.

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

The capacity utilisation of the Manufacturing industry was 81.9 per cent in the fourth quarter of 2024, which increased by 2.0 percentage points compared to the same quarter of the preceding year (Q4 2023: 79.9%). In comparison with the previous quarter, the capacity utilisation of the Manufacturing industry declined marginally by 0.5 percentage points (Q3 2024: 82.4%) (**Figure 1**).

Figure 1 : Manufacturing Industry Capacity Utilisation, Q4 2022 - Q4 2024



The capacity utilisation rate above 80 per cent was recorded throughout the fourth quarter of 2024. In October 2024, the Manufacturing industry operated at 81.9 per cent, marking an increase of 1.5 percentage points compared to the previous year, while 82.2 per cent in November 2024 (+2.1 percentage points); and 81.4 per cent in December 2024 (+2.2 percentage points). However, 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, Fourth Quarter of 2024

In this quarter, the Non-metallic mineral products, basic metal & fabricated metal products sub-sector posted the highest capacity utilisation rate at 84.7 per cent; followed by Textiles, wearing apparel, leather & footwear (83.4%); and Transport equipment & other manufactures (82.0%). In contrast, the lowest rate was recorded by the Electrical & electronic products sub-sector (80.9%) (**Figure 2**).

As compared to the preceding quarter, the sub-sectors that recorded an increase in the fourth quarter 2024 with the highest increment was observed in the Wood products, furniture, paper products & printing, which increased by 1.4 percentage points. Whilst, Transport equipment & other manufactures sub-sector declined by 1.8 percentage points.

Figure 2: Manufacturing Industry Capacity Utilisation by Sub-sector, Q4 2024

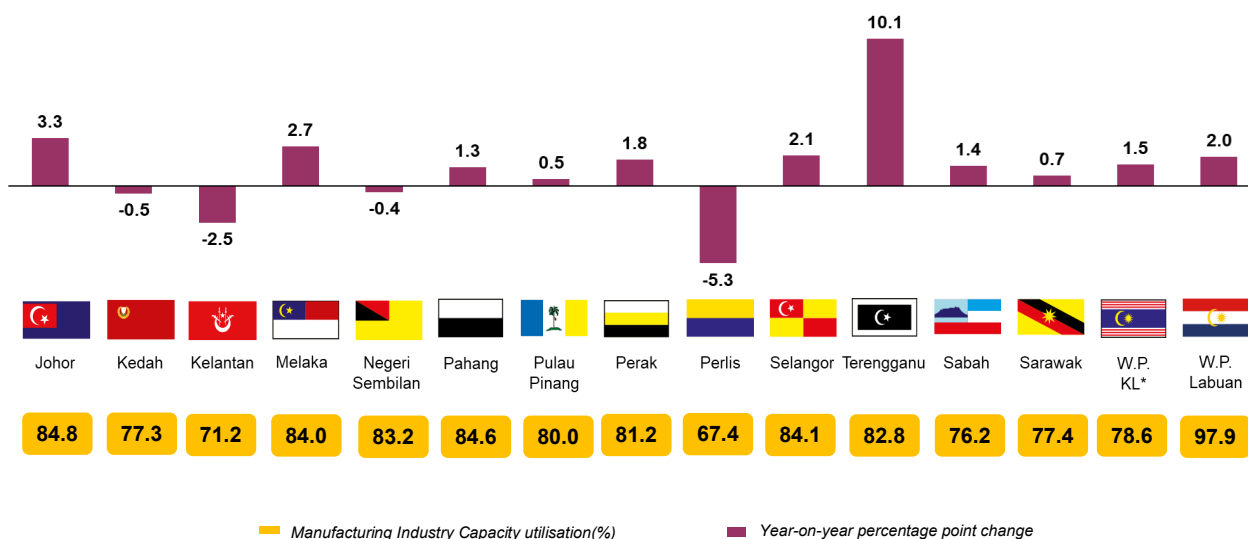
		Manufacturing industry capacity utilisation (%)	Year-on-year percentage point change	Quarter-on-quarter percentage point change
	Food, beverages and tobacco	81.9	1.5	-0.6
	Textiles, wearing apparel, leather and footwear	83.4	2.9	0.4
	Wood products, furniture, paper products and printing	81.8	1.8	1.4
	Petroleum, chemical, rubber and plastic	81.3	3.4	-0.8
	Non-metallic mineral products, basic metal and fabricated metal products	84.7	1.5	1.0
	Electrical and electronic products	80.9	1.4	-1.3
	Transport equipment and other manufactures	82.0	-0.2	-1.8

4.0 Manufacturing Industry Capacity Utilisation by State

Seven states demonstrated capacity utilisation rates surpassing the national rate in the fourth quarter of 2024, namely WP Labuan (97.9%), Johor (84.8%), Pahang (84.6%), Selangor (84.1%), Melaka (84.0%), Negeri Sembilan (83.2%) and Terengganu (82.8%). Whereas, the lowest capacity utilisation rate posted by Perlis at 67.4 per cent with 5.3 percentage points declined as compared to the same quarter last year (**Figure 3**).

SUMMARY OF FINDINGS

Figure 3: Manufacturing Industry Capacity Utilisation by State, Q4 2024



*Includes W.P. Putrajaya

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

The capacity utilisation in the export-oriented industries increased by 2.4 percentage points to 80.9 per cent (Q4 2023: 78.5%) (**Figure 4**). The growth was mainly attributed to the increase of capacity utilisation rate in the Manufacture of furniture industry (87.8%) by 0.5 percentage points; as well as 2.6 percentage points increase in the Manufacture of machinery & equipment n.e.c industry (86.9%). However, two industries recorded the capacity utilisation below 80 per cent namely Manufacture of vegetable & animal oils & fats (77.6%); and Manufacture of wood & products of wood & cork, except furniture, manufacture of articles of straw & plaiting materials (76.9%).

In the meantime, the capacity utilisation in the domestic-oriented industries remained positive albeit at a slower rate of 1.0 percentage points to 83.9 per cent in fourth quarter of 2024 (**Figure 5**). The increase was primarily influenced by the Manufacture of tobacco products (92.0%); and the Manufacture of other non-metallic mineral products (86.6%), which increased by 2.2 percentage points and 0.9 percentage points, respectively. On the other hand, the lowest capacity utilisation rate remains recorded by the Manufacture of paper and paper products industry at 79.0 per cent.

In comparison with the previous quarter, export-oriented industries declined marginally by 0.9 percentage points, while domestic-oriented industries grew by 0.1 percentage points.

SUMMARY OF FINDINGS

Figure 4: Manufacturing Industry Capacity Utilisation by Export-Oriented Industry, Q4 2024

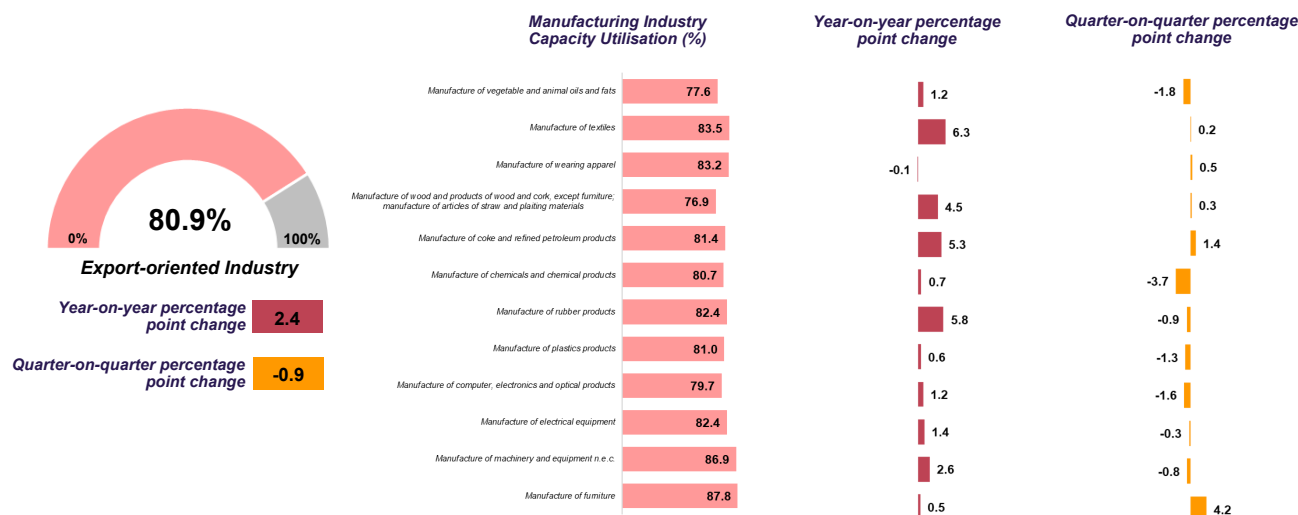
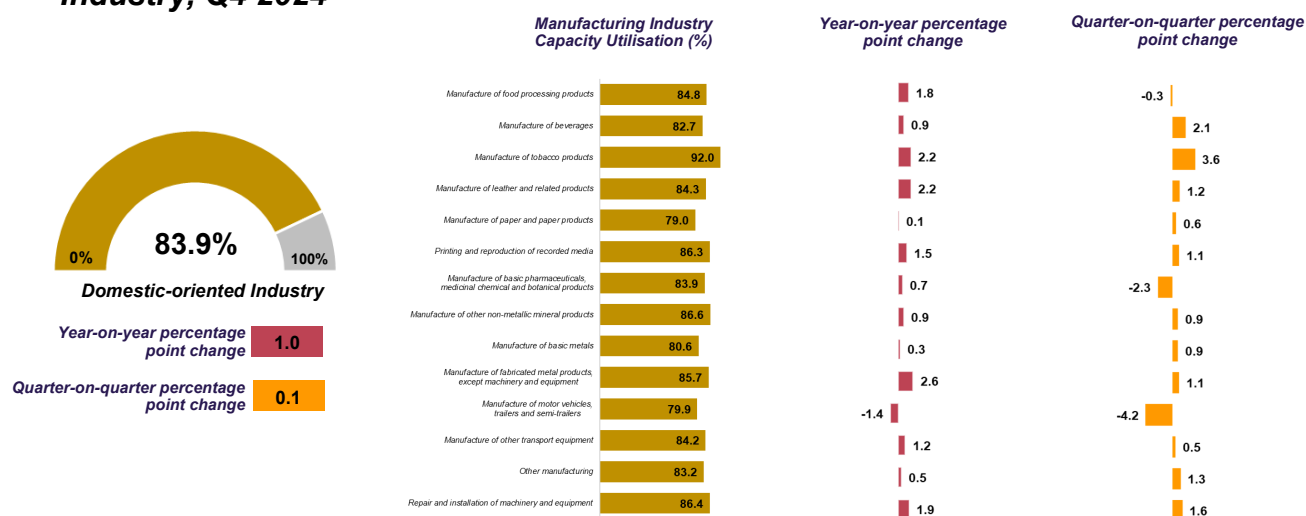


Figure 5: Manufacturing Industry Capacity Utilisation by Domestic-Oriented Industry, Q4 2024



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

For the fourth quarter of 2024, the IPI increased by 3.4 per cent as against 3.9 per cent recorded in the third quarter of 2024. The increased was supported by the Manufacturing sector at 4.5 per cent growth, compared to 5.8 per cent in the third quarter of 2024. Furthermore, the IPI for Mining sectors declined by 1.1 per cent (Q3 2024: -4.6%), while the Electricity sector posted a growth of 3.1 per cent (Q3 2024: 5.0%). On a quarter-on-quarter comparison, the IPI rose by 2.0 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	2024
1. Makanan, minuman dan tembakau Food, beverages and tobacco		70.5	71.1	73.3	66.7	67.3	81.2	78.9	80.8
10	Pembuatan produk makanan Manufacture of food products	76.3	76.5	73.7	73.9	75.1	76.4	78.1	79.9
11	Pembuatan minuman Manufacture of beverages	67.3	71.9	71.4	65.3	67.3	81.5	80.1	81.6
12	Pembuatan produk tembakau Manufacture of tobacco products	73.0	65.3	76.9	59.7	61.4	84.2	89.3	92.5
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	82.3
13	Pembuatan tekstil Manufacture of textiles	71.3	69.1	69.1	65.7	73.7	85.5	76.8	82.4
14	Pembuatan pakaian Manufacture of wearing apparel	84.2	87.4	87.0	70.9	76.2	74.1	81.4	81.7
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	84.9
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	80.5
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	75.1
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	78.1
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	85.2
31	Pembuatan perabot Manufacture of furniture	81.4	80.0	79.9	68.8	70.2	83.8	81.2	86.3
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	81.9
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	81.8
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	81.9
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	85.2
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	81.7
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	83.4
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	85.3
24	Pembuatan logam asas Manufacture of basic metals	77.8	77.1	75.7	68.0	68.7	77.2	78.9	79.6
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	84.3
6. Produk elektrik dan elektronik Electrical and electronic products		80.3	78.9	77.3	70.8	76.7	80.5	79.5	80.9
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	79.8
27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	80.9	80.6	80.3	71.8	77.1	82.8	80.4	82.1
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	86.7
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	84.2
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	84.6
30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	77.7	74.8	78.5	69.6	72.0	81.3	80.4	83.8
32	Pembuatan lain Other manufacturing	76.6	73.9	76.3	72.6	71.9	76.9	81.0	82.3
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	84.9
Malaysia		79.2	79.1	77.8	69.8	73.9	80.4	79.4	81.8

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.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	Q3	Q4
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	77.9	79.5
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	78.9	78.0
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	81.8	80.7
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	68.8	77.8
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	82.4	79.3
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	87.7	84.6
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	74.2	70.6
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	92.4	92.8
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	78.9	76.7
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	73.5	70.8
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	78.4	76.6
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	84.5	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	85.1	83.0
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	80.7	82.1
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	81.6	85.7
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	79.9	79.5
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	86.4	77.0
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	79.4	78.5
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	79.9	78.7
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	81.8	79.1
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	78.6	75.7
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	79.5	80.9
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	82.2	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	81.7	79.2
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	85.2	82.9
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	83.1	79.8
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	84.2	80.5
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	86.3	81.3
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	82.3	82.8
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	77.9	77.8
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	80.2	75.7
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	81.3	80.2

1b Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Sub-sector - Quarterly

Keterangan Subsektor Sub-sector Description	2023				2024			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1. Makanan, minuman dan tembakau Food, beverages and tobacco	78.6	76.5	80.1	80.4	78.2	80.5	82.5	81.9
10 Pembuatan produk makanan Manufacture of food products	77.6	75.2	79.8	79.6	76.8	79.4	82.2	81.2
11 Pembuatan minuman Manufacture of beverages	77.9	80.4	80.2	81.8	81.1	81.9	80.6	82.7
12 Pembuatan produk tembakau Manufacture of tobacco products	93.6	89.5	84.4	89.8	94.8	94.7	88.4	92.0
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	78.0	80.1	79.7	80.5	80.1	82.8	83.0	83.4
13 Pembuatan tekstil Manufacture of textiles	74.9	78.4	76.8	77.2	79.8	83.2	83.3	83.5
14 Pembuatan pakaian Manufacture of wearing apparel	78.5	81.7	82.2	83.3	78.8	82.0	82.7	83.2
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	86.1	79.9	80.1	82.1	87.7	84.4	83.1	84.3
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	75.2	76.2	77.1	80.0	79.8	80.0	80.4	81.8
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	68.4	69.0	71.8	72.4	72.4	74.8	76.6	76.9
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	77.3	76.6	77.7	78.9	78.1	77.1	78.4	79.0
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	81.5	83.2	83.4	84.8	84.1	85.0	85.2	86.3
31 Pembuatan perabot Manufacture of furniture	80.3	79.3	78.1	87.3	88.0	85.8	83.6	87.8
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	80.8	77.1	77.8	77.9	82.2	81.9	82.1	81.3
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	82.2	73.4	74.2	76.1	84.2	81.6	80.0	81.4
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	80.0	81.2	82.2	80.0	80.0	82.6	84.4	80.7
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	82.8	82.7	83.3	83.2	85.2	85.6	86.2	83.9
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	78.9	78.4	78.7	78.5	81.0	81.3	82.8	81.7
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	78.9	79.3	81.5	83.2	82.9	82.3	83.7	84.7
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	77.4	80.5	83.4	85.7	85.5	83.6	85.7	86.6
24 Pembuatan logam asas Manufacture of basic metals	78.4	77.5	79.0	80.3	79.1	78.8	79.7	80.6
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	80.6	79.7	81.7	83.1	83.2	83.7	84.6	85.7
6. Produk elektrik dan elektronik Electrical and electronic products	78.9	79.6	79.9	79.5	78.4	82.1	82.2	80.9
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	78.4	79.1	79.0	78.5	77.3	81.1	81.3	79.7
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	81.0	78.0	81.5	81.0	80.8	82.4	82.7	82.4
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	79.9	84.5	84.4	84.3	83.7	88.5	87.7	86.9
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	84.0	80.7	81.4	82.2	85.1	86.0	83.8	82.0
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	86.1	82.1	81.6	81.3	86.1	88.3	84.1	79.9
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	80.0	78.8	79.8	83.0	84.1	83.4	83.7	84.2
32 Pembuatan lain Other manufacturing	80.6	79.1	81.5	82.7	82.1	82.0	81.9	83.2
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	82.8	78.9	82.4	84.5	84.8	83.6	84.8	86.4
Malaysia	79.8	78.3	79.4	79.9	80.8	82.1	82.4	81.9

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 Food, beverages and tobacco		70.6	69.6	70.6	72.2	75.8	71.9	77.1	72.9	73.6
10 Pembuatan produk makanan Manufacture of food products		73.3	73.5	74.7	79.2	78.5	76.2	76.3	76.8	76.9
11 Pembuatan minuman Manufacture of beverages		69.6	61.4	62.7	64.1	74.8	68.6	76.0	72.5	69.2
12 Pembuatan produk tembakau Manufacture of tobacco products		70.9	84.5	84.6	84.3	75.7	75.6	80.1	71.0	80.5
2 Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear		78.1	77.1	81.1	76.5	75.1	69.9	75.0	80.2	81.8
13 Pembuatan tekstil Manufacture of textiles		70.9	73.7	77.1	68.1	66.1	62.8	65.3	75.3	79.4
14 Pembuatan pakaian Manufacture of wearing apparel		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 Manufacture of leather and related products		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 Wood products, furniture, paper products and printing		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 Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials		76.0	74.0	75.4	75.2	75.5	71.0	74.9	75.0	73.7
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products		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 Printing and reproduction of recorded media		74.6	74.5	74.5	82.5	75.8	78.8	78.5	82.6	76.3
31 Pembuatan perabot Manufacture of furniture		81.7	80.9	83.6	79.2	82.0	79.5	79.8	82.3	81.6
4 Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic		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 Manufacture of coke and refined petroleum products		90.0	89.4	86.2	76.1	81.8	90.7	90.8	88.3	84.4
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products		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 Manufacture of basic pharmaceuticals, medicinal chemical and botanical products		72.9	64.3	70.6	74.2	69.0	70.4	72.0	73.4	72.2
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products		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 Non-metallic mineral products, basic metal and fabricated metal products		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 Manufacture of other non-metallic mineral products		76.3	72.8	71.5	72.6	70.6	71.6	71.4	71.7	70.7
24 Pembuatan logam asas Manufacture of basic metals		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 Manufacture of fabricated metal products, except machinery and equipment		72.2	73.9	73.7	73.2	74.7	72.0	74.3	73.4	72.4
6 Produk elektrik dan elektronik Electrical and electronic products		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 Manufacture of computer, electronics and optical products		78.5	79.0	81.0	78.2	80.1	78.9	80.5	83.1	84.9
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment		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. Manufacture of machinery and equipment n.e.c.		78.3	76.2	79.3	78.2	77.2	73.1	74.4	75.1	73.8
7 Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures		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 Manufacture of motor vehicles, trailers and semi-trailers		71.3	68.3	70.8	66.8	72.2	73.4	72.2	67.7	67.0
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment		84.6	81.9	73.0	76.9	75.3	70.2	77.3	76.9	79.1
32 Pembuatan lain Other manufacturing		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 Repair and installation of machinery and equipment		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	Jul.
1	Makanan, minuman dan tembakau Food, beverages and tobacco	62.6	64.0	64.9	66.7	61.8	68.9	74.1	72.9	68.3	76.6
10	Pembuatan produk makanan Manufacture of food products	79.1	75.4	76.2	77.2	71.6	79.3	79.4	74.8	72.3	74.9
11	Pembuatan minuman Manufacture of beverages	60.9	65.1	62.2	68.0	56.0	67.8	76.1	75.2	67.7	81.7
12	Pembuatan produk tembakau Manufacture of tobacco products	53.6	53.0	62.1	56.1	67.2	63.8	65.6	66.4	66.7	66.8
2	Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	80.4	77.4	80.6	78.0	73.3	75.5	78.6	78.7	86.9	79.2
13	Pembuatan tekstil Manufacture of textiles	74.9	68.5	73.9	69.0	61.5	62.2	69.5	69.5	87.9	69.1
14	Pembuatan pakaian Manufacture of wearing apparel	86.7	87.0	88.4	87.6	85.6	88.9	88.0	88.3	86.0	89.1
15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	79.5	78.8	79.5	80.5	78.4	83.0	83.2	82.7	85.7	86.4
3	Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	78.6	78.2	77.6	78.3	74.6	79.3	78.2	79.0	77.2	79.4
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	77.4	75.7	76.9	76.1	70.2	77.1	75.6	75.4	73.2	76.3
17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	79.0	79.5	78.0	83.1	79.2	81.2	81.9	81.4	78.9	81.6
18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	77.0	75.4	73.7	72.6	72.5	79.6	76.5	81.1	79.9	81.3
31	Pembuatan perabot Manufacture of furniture	81.8	83.2	81.6	80.5	78.6	80.6	79.5	80.7	80.4	80.5
4	Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	84.0	84.0	83.7	85.3	82.9	83.2	82.8	83.0	82.2	83.7
19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	87.2	89.5	88.5	88.6	84.1	84.8	86.2	85.2	86.4	85.8
20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	81.5	77.9	79.1	84.2	84.4	83.4	80.2	83.3	79.4	83.4
21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	76.0	79.9	73.7	75.6	73.8	75.0	72.2	71.8	74.6	79.5
22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	81.1	80.7	80.2	80.3	78.5	79.9	79.4	78.7	77.3	80.2
5	Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	75.2	76.1	75.9	77.1	73.1	77.4	76.9	75.7	73.6	77.0
23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	72.6	74.2	72.5	74.2	69.6	74.5	73.8	72.7	70.7	74.4
24	Pembuatan logam asas Manufacture of basic metals	78.9	79.6	78.5	78.7	73.7	79.9	78.8	77.7	73.4	79.6
25	Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	74.5	74.8	76.6	78.0	75.4	77.8	77.7	76.6	75.9	77.0
6	Produk elektrik dan elektronik Electrical and electronic products	81.5	81.3	80.1	78.2	76.9	83.2	79.4	79.9	78.0	80.5
26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	82.2	81.9	80.5	77.7	76.4	83.5	78.9	79.9	78.2	81.0
27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	82.1	81.2	80.4	81.7	80.2	82.0	83.3	82.2	80.5	79.9
28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	74.8	76.2	75.4	77.8	77.3	82.5	79.0	76.7	73.5	76.6
7	Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	69.3	77.1	77.2	79.5	75.3	76.5	77.4	79.0	77.6	78.9
29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	64.1	76.3	76.7	79.9	74.3	79.6	80.9	80.6	80.3	82.6
30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	77.9	80.0	79.5	79.9	77.8	67.8	68.5	77.6	72.8	71.3
32	Pembuatan lain Other manufacturing	75.7	74.0	75.4	77.0	73.4	72.4	74.7	74.5	71.8	71.9
33	Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	79.5	80.0	77.5	79.6	78.8	78.3	75.5	75.1	75.7	77.5
Malaysia		79.7	80.4	79.9	80.2	77.7	81.1	79.7	80.0	78.6	80.7

2019															
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
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	75.2
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	71.4
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	76.2
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	75.6
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	78.5
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	69.9
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	87.5
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	80.6
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	77.4
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	72.8
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	81.2
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	77.0
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	81.3
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	83.2
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	85.6
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	82.6
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	72.1
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	79.6
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	74.9
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	72.5
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	76.3
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	75.6
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	77.1
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	76.6
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	80.8
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	77.0
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	80.0
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	80.7
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	76.6
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	78.8
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	83.8
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	79.1

1c Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Bulanan

Manufacturing Industry Capacity Utilisation by Sub-sector - Monthly

Keterangan Subsektor Sub-sector Description		2019	2020								
		Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
1 Makanan, minuman dan tembakau Food, beverages and tobacco		74.7	72.3	73.2	62.4	54.0	61.5	67.2	69.7	69.9	69.4
10 Pembuatan produk makanan Manufacture of food products		71.7	72.6	72.9	73.7	71.3	76.0	78.3	75.0	75.0	74.7
11 Pembuatan minuman Manufacture of beverages		77.1	71.4	73.6	58.9	49.8	50.9	62.9	65.0	66.6	71.0
12 Pembuatan produk tembakau Manufacture of tobacco products		71.5	73.9	72.5	54.0	1.6	73.6	68.6	76.0	73.2	62.1
2 Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear		79.4	77.3	77.0	66.4	45.1	58.8	69.1	69.2	70.6	71.3
13 Pembuatan tekstil Manufacture of textiles		68.2	76.0	74.4	64.8	39.0	56.1	67.3	68.4	68.2	68.3
14 Pembuatan pakaian Manufacture of wearing apparel		90.8	78.4	79.9	69.1	52.4	59.7	70.3	68.9	72.9	74.4
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products		83.4	79.0	76.5	61.6	44.0	67.8	72.7	73.9	71.9	72.7
3 Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing		76.7	75.2	75.7	65.0	50.9	63.1	72.0	72.3	72.1	73.5
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		71.7	70.9	71.5	59.6	55.0	61.6	70.6	70.0	70.1	70.9
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products		79.7	78.5	78.6	66.1	61.8	68.1	75.2	75.9	74.5	76.6
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media		76.6	73.6	76.4	71.4	47.3	64.9	76.4	75.3	71.1	71.3
31 Pembuatan perabot Manufacture of furniture		82.3	80.1	79.1	68.6	29.7	57.4	66.6	69.2	73.3	75.9
4 Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic		81.9	73.7	74.6	66.3	50.1	65.7	72.2	72.5	72.5	74.9
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products		83.8	67.5	69.2	60.3	32.0	54.2	66.6	65.3	66.6	69.2
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products		81.4	78.1	79.3	70.8	62.8	76.5	75.6	77.9	76.2	79.8
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products		67.5	76.2	73.5	69.2	69.4	68.6	73.6	73.4	77.1	77.6
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products		79.6	80.6	79.5	72.7	70.8	75.0	79.2	80.1	79.4	80.1
5 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		74.7	74.1	72.5	60.1	47.0	62.1	68.0	72.0	70.0	73.4
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products		73.0	71.4	66.8	55.1	40.2	57.4	62.5	68.7	69.5	69.1
24 Pembuatan logam asas Manufacture of basic metals		74.7	74.9	72.5	59.5	49.3	62.7	68.8	71.9	67.3	72.4
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment		75.9	75.6	76.7	64.2	49.2	65.0	71.3	74.5	72.5	77.3
6 Produk elektrik dan elektronik Electrical and electronic products		77.9	75.5	76.1	63.8	48.4	65.9	71.6	73.0	73.6	75.1
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products		77.8	75.0	76.1	64.2	47.9	65.1	71.3	72.7	73.4	75.1
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment		79.8	78.9	77.3	63.3	49.1	69.4	71.8	75.5	75.5	76.8
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.		76.3	76.2	74.5	61.4	52.6	68.9	73.7	73.3	72.5	73.1
7 Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures		75.7	74.3	72.9	65.7	34.2	55.0	69.0	69.7	72.2	73.8
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers		75.3	71.4	70.3	64.8	24.7	49.1	65.6	69.3	71.9	73.0
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment		76.3	80.1	79.0	68.8	47.1	61.4	72.1	66.8	66.9	72.8
32 Pembuatan lain Other manufacturing		75.7	77.8	75.2	62.9	56.5	67.3	73.9	74.7	78.2	78.2
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment		77.4	77.8	74.5	68.9	51.3	66.7	79.8	72.0	78.2	76.4
Malaysia		78.4	74.6	74.7	64.4	47.7	63.9	70.9	72.2	72.4	74.4

2021														2022	
Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
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	72.8	88.3
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	71.0	76.9
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	73.8	87.9
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	72.0	97.9
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	76.0	81.7
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	72.8	88.1
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	80.5	73.1
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	90.0
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	73.1	78.0
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	69.0	71.8
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	75.5	83.6
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	74.4	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	76.7	83.9
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	74.0	83.4
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	67.7	85.7
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	80.8	81.1
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	71.3	78.6
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	78.4	82.0
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	72.0	81.3
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	71.9	82.3
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	70.2	80.2
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	73.5	81.4
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	79.9	80.6
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	80.1	79.9
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	80.5	83.3
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	77.0	82.7
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	74.2	77.9
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	75.3	77.7
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	71.3	77.0
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	72.7	78.9
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	74.9	81.6
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	75.7	81.3

1c Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Bulanan

Manufacturing Industry Capacity Utilisation by Sub-sector - Monthly

Keterangan Subsektor Sub-sector Description		2022									
		Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		83.3	84.3	77.9	84.9	83.8	79.8	74.8	79.1	79.0	73.0
10 Pembuatan produk makanan <i>Manufacture of food products</i>		69.9	75.8	67.2	77.5	78.6	79.0	80.0	77.7	78.7	78.5
11 Pembuatan minuman <i>Manufacture of beverages</i>		80.5	81.1	81.1	80.8	79.5	82.6	82.4	80.4	79.9	78.8
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>		99.1	97.7	79.1	99.3	96.8	74.3	54.6	77.6	77.5	56.5
2 Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>		78.6	82.4	82.0	81.0	81.2	82.7	80.8	83.7	78.9	78.9
13 Pembuatan tekstil <i>Manufacture of textiles</i>		84.8	86.8	84.5	80.7	83.8	85.8	86.1	91.4	85.4	84.7
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>		70.8	76.0	78.5	80.8	75.8	77.5	72.0	73.2	68.8	69.5
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>		83.9	89.2	85.0	82.9	92.7	90.7	94.3	92.3	92.1	92.9
3 Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>		76.2	80.6	79.0	76.7	80.1	78.4	79.7	78.6	78.1	76.1
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>		70.7	75.3	73.8	72.2	74.4	71.8	75.2	73.4	72.6	70.0
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>		80.0	84.5	80.3	76.8	80.9	79.5	78.1	77.6	77.9	75.4
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>		77.3	80.9	81.8	80.7	85.9	83.3	85.2	85.0	82.2	83.5
31 Pembuatan perabot <i>Manufacture of furniture</i>		80.4	85.2	84.7	81.9	85.0	85.1	85.8	84.5	85.7	82.8
4 Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>		84.0	80.3	83.9	75.9	73.4	80.0	80.9	81.1	82.6	82.6
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>		90.8	76.8	86.4	71.6	66.2	79.8	80.1	85.0	84.7	86.4
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>		77.7	84.3	82.1	79.7	78.5	80.8	82.5	76.4	81.2	80.0
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceuticals, medicinal chemical and botanical products</i>		71.1	80.4	78.5	76.3	84.6	86.7	88.2	84.2	82.2	79.2
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>		79.2	82.1	81.4	79.5	80.8	79.0	80.0	79.4	80.0	78.1
5 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		76.4	80.4	80.4	76.4	79.5	80.8	79.9	78.9	79.3	79.1
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>		76.6	77.7	81.2	79.1	81.4	82.7	82.0	80.7	80.0	78.7
24 Pembuatan logam asas <i>Manufacture of basic metals</i>		74.1	80.2	77.8	74.2	77.2	79.9	79.1	76.7	75.8	77.2
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>		78.1	82.6	81.8	76.1	79.9	80.2	78.9	79.4	81.5	81.0
6 Produk elektrik dan elektronik <i>Electrical and electronic products</i>		78.5	83.1	78.3	77.7	82.8	82.2	81.4	83.1	78.1	79.0
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>		78.5	82.8	77.1	77.4	82.8	81.4	80.3	83.3	77.7	78.5
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>		78.1	85.2	81.5	78.1	82.7	85.8	86.2	83.5	81.4	81.7
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>		79.0	83.4	84.5	79.4	83.1	84.5	84.6	80.4	77.6	80.4
7 Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>		81.5	83.6	77.3	82.1	82.5	81.3	86.2	85.1	81.7	84.1
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>		85.2	85.0	80.3	82.2	82.5	81.2	87.4	90.4	83.7	87.7
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>		75.0	82.3	79.7	82.0	84.3	84.9	88.9	73.2	79.8	77.0
32 Pembuatan lain <i>Other manufacturing</i>		72.6	76.2	70.1	79.1	78.4	77.7	78.4	77.6	76.9	77.2
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>		80.9	84.4	59.4	84.6	84.3	78.3	81.4	81.0	76.1	82.6
Malaysia		80.2	81.7	80.4	77.4	79.1	80.9	81.2	81.7	80.1	80.4

2023												2024			
Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac
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	79.1	77.0	78.6
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	77.9	75.5	77.0
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	81.5	80.0	81.9
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	93.0	94.4	96.9
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	79.3	77.1	83.9
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	77.2	80.1	82.1
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	78.7	72.9	84.6
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	91.2	83.7	88.2
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	79.9	79.1	80.3
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	71.2	71.9	73.9
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	78.9	78.1	77.3
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	84.1	83.8	84.3
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	89.0	86.2	88.9
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	82.6	81.3	82.8
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	84.4	84.0	84.3
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	80.2	77.9	81.8
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	83.6	86.1	86.1
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	82.2	79.8	81.0
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	83.3	82.1	83.3
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	86.3	84.9	85.4
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	78.6	79.4	79.4
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	83.9	81.7	84.1
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	77.4	77.3	80.6
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	76.2	76.1	79.5
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	79.9	79.5	83.1
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	82.6	82.9	85.6
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	86.6	84.4	84.2
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	88.5	85.9	83.9
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	84.9	82.8	84.4
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	83.0	80.3	82.9
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	84.1	84.0	86.4
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	80.9	79.8	81.7

1c Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Bulanan
Manufacturing Industry Capacity Utilisation by Sub-sector - Monthly

Keterangan Subsektor Sub-sector Description		2024								
		Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
1 Makanan, minuman dan tembakau Food, beverages and tobacco		78.5	81.8	81.2	82.1	82.4	82.9	82.5	82.0	81.3
10 Pembuatan produk makanan Manufacture of food products		76.9	80.6	80.6	81.9	82.2	82.6	82.1	81.1	80.3
11 Pembuatan minuman Manufacture of beverages		82.6	83.0	80.0	79.9	80.6	81.3	81.1	83.2	84.0
12 Pembuatan produk tembakau Manufacture of tobacco products		95.5	96.5	92.0	88.3	87.3	89.6	90.6	92.7	92.5
2 Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear		81.5	83.2	83.6	82.4	82.9	83.7	83.8	84.2	82.3
13 Pembuatan tekstil Manufacture of textiles		80.0	84.2	85.3	82.5	83.2	84.1	83.5	84.1	82.8
14 Pembuatan pakaian Manufacture of wearing apparel		82.3	81.8	82.0	82.4	82.6	83.2	84.2	84.3	81.1
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products		84.4	85.0	83.9	81.9	82.9	84.5	83.0	84.4	85.6
3 Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing		78.9	80.4	80.6	80.4	80.3	80.5	81.2	82.1	82.2
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		70.7	76.6	77.1	77.4	76.0	76.3	77.2	77.1	76.3
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products		77.3	75.9	78.0	78.2	78.4	78.5	78.0	79.8	79.2
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media		85.6	85.2	84.3	84.9	85.1	85.6	84.9	86.3	87.8
31 Pembuatan perabot Manufacture of furniture		86.3	86.4	84.8	82.8	84.2	83.9	86.8	87.8	88.7
4 Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic		80.3	81.7	83.6	82.5	82.5	81.3	81.3	81.4	81.3
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products		80.2	81.4	83.1	80.2	79.9	79.8	81.0	82.0	81.4
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products		80.7	82.4	84.6	84.5	85.5	83.3	81.3	80.2	80.7
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products		84.8	84.7	87.2	87.9	85.3	85.5	83.5	82.9	85.3
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products		79.7	81.1	83.1	83.7	83.5	81.1	81.7	81.6	81.8
5 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		82.0	81.9	83.2	82.8	83.9	84.4	84.5	84.8	84.7
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products		84.2	82.6	83.9	85.4	85.8	86.0	86.7	86.4	86.7
24 Pembuatan logam asas Manufacture of basic metals		79.2	78.7	78.4	78.6	80.0	80.6	80.4	81.5	80.0
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment		82.0	83.3	85.7	83.5	84.8	85.6	85.4	85.6	86.2
6 Produk elektrik dan elektronik Electrical and electronic products		78.5	83.4	84.2	81.4	82.6	82.6	81.0	82.0	79.7
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products		76.7	82.8	83.6	80.2	81.8	82.0	80.0	81.1	78.2
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment		81.4	82.8	83.1	82.5	82.7	83.0	82.9	82.6	81.6
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.		87.5	88.5	89.5	88.2	88.4	86.4	85.8	87.6	87.3
7 Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures		86.5	88.1	83.4	84.5	85.7	81.3	82.0	82.1	81.8
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers		89.5	92.0	83.4	85.4	87.5	79.3	80.0	79.8	80.0
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment		82.8	83.8	83.7	82.8	83.7	84.5	83.7	84.9	84.0
32 Pembuatan lain Other manufacturing		81.3	83.0	81.7	82.1	81.3	82.4	82.8	83.6	83.1
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment		83.9	82.2	84.6	85.2	84.8	84.5	87.2	86.8	85.1
Malaysia		80.3	82.7	83.2	82.2	82.8	82.3	81.9	82.2	81.4

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	2024
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	91.6
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	83.5
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	84.9
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	75.7
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	77.1	75.8	66.1	73.0	69.0	76.6	79.2	81.7
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	79.7
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	84.5
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	82.3
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	67.3	71.9	71.4	65.3	67.3	81.5	80.1	81.6
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	73.0	65.3	76.9	59.7	61.4	84.2	89.3	92.5
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	80.1
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	79.8	77.7	78.0	73.8	73.7	82.8	86.9	88.2
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	81.7
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	82.8
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	88.2
152	Pembuatan kasut <i>Manufacture of footwear</i>	78.7	77.1	79.9	77.4	75.4	90.2	81.0	83.2
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planning of wood</i>	75.3	73.5	75.3	68.8	68.1	77.3	76.1	77.7
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	74.3
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	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>	77.1	76.7	73.5	66.6	69.4	76.5	82.7	85.2
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	81.8
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>	79.5	84.1	82.5	76.6	81.6	80.2	81.4	81.5
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	83.6
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	85.2
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	82.3	80.1	80.3	81.9	79.1	79.4	77.5	82.5
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	77.7	77.6	76.5	74.4	74.1	80.5	79.8	80.9

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	2024
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	84.4
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	85.5
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	80.6
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	78.3
243	Pengacuan logam <i>Casting of metals</i>	73.0	74.0	75.6	68.4	65.1	76.8	75.5	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>	77.1	77.7	77.2	69.5	76.5	78.0	86.9	87.3
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>	73.5	77.8	76.5	70.7	70.0	78.2	79.1	82.6
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	79.2
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	77.2
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	71.0	77.9	74.4	74.3	78.2	77.6	81.8	83.5
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	80.7
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>	69.9	69.8	68.7	63.4	67.7	81.4	79.5	83.3
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	85.1
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	82.9
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	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	74.5
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	82.6
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	84.1
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	81.5	87.0	84.5	69.0	75.4	84.4	83.1	86.5
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	80.8
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	86.7
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	67.1	77.9	78.2	62.2	62.8	80.1	84.8	87.0
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	76.1
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	82.4
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	78.6
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>	77.9	76.6	81.1	78.1	72.2	84.5	87.5	86.9

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017	2018	2019	2020	2021	2022	2023	2024
310	Pembuatan perabot <i>Manufacture of furniture</i>	81.4	80.0	79.9	68.8	70.2	83.8	81.2	86.3
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	85.5
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	81.8
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	75.3	74.0	73.5	71.5	74.8	89.8	91.6	92.1
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	75.0
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>	81.3	76.6	70.4	70.5	70.8	78.9	82.4	84.9
Malaysia		79.2	79.1	77.8	69.8	73.9	80.4	79.4	81.8

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 planning 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	Q3	Q4	
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	82.7	81.3	
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	77.1	77.0	
72.9	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	77.7	78.9
	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	69.1	70.3
	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	74.8	72.1
	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	73.4	76.0
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	87.6	84.6	
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	83.5	82.4	
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	81.8	80.7	
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	68.8	77.8	
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	89.3	87.2	
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	84.0	77.9	
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	74.2	70.4	
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	74.6	74.1	
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	93.6	94.6	
	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	91.4	91.0
	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	78.9	77.4
	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	71.7	68.5
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	78.4	76.6	
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	77.1	79.4	
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	81.6	85.7	
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	79.4	80.3	
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	72.4	69.5	
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	86.4	77.0	
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	77.6	76.5	
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	81.4	80.7	

2b Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Group - Quarterly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2023				2024			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	85.8	87.8	91.9	89.7	89.3	92.6	93.1	91.3
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	75.2	77.7	79.9	78.6	79.3	82.5	86.4	85.8
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	79.5	78.4	79.8	82.4	85.6	82.9	86.0	85.2
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	65.9	70.1	76.6	76.4	70.5	75.4	79.4	77.6
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	76.0	77.4	82.2	81.4	78.2	80.2	82.9	85.6
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	75.3	70.2	75.0	77.8	80.3	78.5	80.1	80.0
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	87.9	81.3	83.3	83.6	85.4	83.6	84.9	84.0
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	79.9	82.2	82.9	82.2	78.5	82.8	83.9	84.1
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	77.9	80.4	80.2	81.8	81.1	81.9	80.6	82.7
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	93.6	89.5	84.4	89.8	94.8	94.7	88.4	92.0
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	63.4	74.9	73.1	73.5	76.9	80.7	81.0	81.6
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	87.5	87.2	86.4	86.6	86.9	89.2	88.8	88.0
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	77.9	81.8	82.3	83.4	78.7	82.0	82.6	83.2
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	77.8	77.8	78.2	81.4	81.2	82.4	86.3	81.4
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>	95.0	80.6	78.8	78.0	88.8	87.9	90.0	86.2
152	Pembuatan kasut <i>Manufacture of footwear</i>	78.9	79.5	80.9	84.8	87.1	82.7	79.6	83.3
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planning of wood</i>	75.1	78.2	76.0	75.1	78.1	78.4	77.8	76.6
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	66.1	66.0	70.5	71.5	70.5	73.6	76.1	76.9
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	77.3	76.6	77.7	78.9	78.1	77.1	78.4	79.0
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>	79.4	83.2	83.4	84.8	84.1	85.0	85.2	86.3
192	Pembuatan produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	82.2	73.4	74.2	76.1	84.2	81.6	80.0	81.4
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>	80.4	82.5	82.9	80.0	79.4	82.4	84.1	80.0
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	70.2	77.0	79.7	80.0	82.1	83.1	85.6	83.4
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	82.8	82.7	83.3	83.2	85.2	85.6	86.2	83.9
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	77.5	78.2	77.9	76.6	82.5	81.9	83.3	82.4
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	80.4	78.6	79.6	80.4	79.6	80.7	82.3	81.0

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, perubahan 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, perubahan 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	Q4
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	82.9
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	87.1
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	80.7
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	81.0
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	77.9
	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	88.5
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	82.4	84.1
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	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	87.0
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	81.4
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	87.4
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	77.3
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	86.7	75.7
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	84.2	81.2
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	68.6
	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	82.2
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	85.0
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	85.9
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	86.9
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	86.3	80.3
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	85.3
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	82.3	79.2
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	82.3
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	85.4

2b Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Suku Tahunan
Manufacturing Industry Capacity Utilisation by Group - Quarterly

Kod Kumpulan <i>Group Code</i>	Keterangan Kumpulan <i>Group Description</i>	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 <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	Q3	Q4
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	85.1	83.0
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	81.8	83.1
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	83.4	81.4
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	88.0	84.6
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	80.3	69.6
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	79.2	73.0
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	81.3	80.2

2b Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Suku Tahunan
Manufacturing Industry Capacity Utilisation by Group - Quarterly

Kod Kumpulan <i>Group Code</i>	Keterangan Kumpulan <i>Group Description</i>	2023				2024			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
310	Pembuatan perabot <i>Manufacture of furniture</i>	80.3	79.3	78.1	87.3	88.0	85.8	83.6	87.8
321	Pembuatan barang kemas, bijouterie dan artikel <i>Manufacture of jewellery, bijouterie and related articles</i>	86.3	86.5	83.3	87.0	88.3	85.6	83.8	84.4
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>	86.0	76.1	82.0	81.2	80.4	81.2	81.8	83.8
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	98.5	87.9	90.7	89.4	87.4	91.7	94.4	95.0
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	77.6	76.4	71.0	80.7	74.2	76.3	75.4	74.0
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>	83.7	78.9	82.4	84.5	84.8	83.6	84.8	86.4
Malaysia		79.8	78.3	79.4	79.9	80.8	82.1	82.4	81.9

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	Jul.
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	67.2
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	72.4
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	64.1
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	78.8
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	74.9
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	61.7
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	74.3
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	77.9
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	81.7
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	66.8
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	65.2
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	78.1
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	88.9
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	87.5
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>	85.8	84.4	83.1	82.8	80.7	86.7	87.3	86.5	92.8	93.1
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	77.1
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	75.7
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	76.6
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	81.6
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	76.3	75.4	74.9	74.8	78.4	76.8	79.1	78.5	79.2
192	Pembuatan produk 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	85.8
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>	82.7	78.5	80.5	85.3	86.4	84.4	81.5	85.0	80.2	84.8
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	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	79.5
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	80.2
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	80.1

2019															
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
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	75.4
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	72.2
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	68.6
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	66.4
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	68.5
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	67.5
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	76.7
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	74.3
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	76.2
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	75.6
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	66.7
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	77.9
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	87.4
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	78.0
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	80.5
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	80.8
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	77.1
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	71.4
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	81.2
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	73.5
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	85.6
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	84.2
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	77.1
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	72.1
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	81.2
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	77.9

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									
		Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	74.8	88.9	88.4	82.2	81.7	85.8	85.3	87.3	86.9	84.8	
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	69.3	70.0	69.4	68.4	68.9	72.7	72.9	73.2	70.9	68.9	
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	69.8	66.0	68.6	53.9	54.8	60.3	67.6	70.7	63.5	63.8	
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	65.4	65.7	68.6	80.8	76.8	79.8	79.6	76.0	69.0	69.5	
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	74.1	73.4	80.6	66.6	67.4	71.7	76.7	73.0	73.9	74.4	
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	67.1	69.6	69.8	55.4	49.3	68.8	54.4	52.0	70.3	56.7	
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	77.9	78.3	75.6	72.5	70.7	75.5	83.1	78.2	81.7	83.3	
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	75.6	73.8	74.5	74.0	74.6	71.8	70.9	75.0	74.7	71.9	
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	77.1	71.4	73.6	58.9	49.8	50.9	62.9	65.0	66.6	71.0	
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	71.5	73.9	72.5	54.0	1.6	73.6	68.6	76.0	73.2	62.1	
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	64.4	75.2	73.3	61.1	30.5	49.7	64.6	65.4	65.2	65.2	
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	77.8	78.1	77.3	73.5	61.0	71.9	73.8	76.0	75.5	75.9	
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	90.8	78.9	80.2	70.1	52.9	60.1	71.1	69.4	73.6	75.3	
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	73.4	67.6	66.6	51.7	35.0	57.4	54.1	59.5	54.0	59.2	
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>	83.2	74.6	68.6	48.3	35.5	58.3	69.6	70.2	65.6	66.5	
152	Pembuatan kasut <i>Manufacture of footwear</i>	83.7	83.2	85.0	77.6	52.9	78.5	75.6	77.4	77.9	78.6	
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planning of wood</i>	71.2	73.9	74.6	58.9	56.7	66.5	72.2	68.4	71.4	72.4	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	71.9	69.8	70.5	59.9	54.4	60.0	70.1	70.6	69.6	70.4	
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	79.7	78.5	78.6	66.1	61.8	68.1	75.2	75.9	74.5	76.6	
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>	73.3	71.8	71.7	58.2	29.7	42.5	78.2	85.1	70.5	80.7	
192	Pembuatan produk produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	83.8	67.5	69.2	60.3	32.0	54.2	66.6	65.3	66.6	69.2	
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>	82.4	78.0	79.4	70.8	63.0	78.1	75.8	77.8	76.0	80.0	
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	73.4	76.6	74.0	62.0	45.3	48.3	59.2	65.2	70.5	73.0	
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	67.5	76.2	73.5	69.2	69.4	68.6	73.6	73.4	77.1	77.6	
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	81.6	82.7	82.4	77.7	80.1	78.1	81.7	82.8	82.9	83.1	
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	77.5	78.2	76.4	67.3	61.2	71.5	76.6	77.1	75.7	76.8	

2021															2022
Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
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	80.6	81.3
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	71.2	74.6
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	75.2	82.8
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	65.3	66.2
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	70.6	84.6
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	59.8	73.0
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	78.5	84.2
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	70.5	82.5
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	73.8	87.9
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	72.0	97.9
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	69.9	88.5
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	80.0	87.0
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	80.6	73.1
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	64.3	63.6
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	74.8	91.6
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	69.1	88.5
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	67.2	72.3
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	69.6	71.6
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	75.5	83.6
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	70.4	73.0
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	67.7	85.7
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	82.3	81.8
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	73.5	76.6
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	71.3	78.6
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	81.7	83.3
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	74.9	80.6

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group - Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2022									
		Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	76.5	79.1	80.6	81.1	80.4	82.9	82.0	83.1	81.0	81.7
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	69.5	75.8	71.5	71.6	73.8	77.7	75.3	78.4	76.1	77.1
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	73.1	80.6	78.7	77.1	84.0	81.6	76.3	75.3	71.9	86.3
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	62.6	65.1	59.1	69.6	68.7	67.9	70.5	68.7	71.6	74.1
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	80.0	80.7	81.8	77.8	74.1	78.2	74.6	71.7	78.2	69.9
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	58.8	67.1	55.0	65.1	73.3	71.1	73.6	75.4	74.7	76.1
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	76.2	84.6	71.5	86.0	87.4	88.3	89.1	85.4	84.8	83.1
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	66.3	75.7	75.6	78.6	83.0	84.8	84.7	80.9	81.9	81.1
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	80.5	81.1	81.1	80.8	79.5	82.6	82.4	80.4	79.9	78.8
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	99.1	97.7	79.1	99.3	96.8	74.3	54.6	77.6	77.5	56.5
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	86.2	90.0	82.4	78.4	83.4	86.1	87.1	94.5	87.1	86.0
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	81.0	79.0	89.6	86.5	84.9	84.9	83.4	83.6	81.2	81.6
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	70.6	75.9	78.6	81.1	75.6	77.5	71.8	73.2	68.6	69.2
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	64.2	72.0	71.9	64.0	89.3	86.6	70.7	66.4	67.0	72.4
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>	84.8	87.3	79.9	74.2	93.8	90.7	95.5	94.5	93.7	95.5
152	Pembuatan kasut <i>Manufacture of footwear</i>	82.9	90.9	89.8	91.3	91.6	90.7	93.2	90.2	90.5	90.3
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planning of wood</i>	70.6	79.7	78.6	76.4	81.2	78.6	79.4	78.9	75.5	77.6
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	70.8	73.8	72.2	70.8	72.1	69.6	73.8	71.6	71.6	67.4
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	80.0	84.5	80.3	76.8	80.9	79.5	78.1	77.6	77.9	75.4
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>	73.2	70.5	75.9	75.9	80.5	76.7	77.6	77.0	76.1	81.7
192	Pembuatan produk produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	90.8	76.8	86.4	71.6	66.2	79.8	80.1	85.0	84.7	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>	76.8	84.4	83.0	80.2	76.9	80.7	82.3	75.2	82.1	80.5
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	78.3	79.6	71.8	76.1	76.1	69.3	75.9	72.2	70.1	70.9
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	71.1	80.4	78.5	76.3	84.6	86.7	88.2	84.2	82.2	79.2
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	80.4	82.6	83.0	80.4	80.7	77.3	78.9	76.5	78.3	76.4
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	77.9	81.5	79.7	78.5	80.9	80.7	81.1	82.5	81.9	80.0

2023												2024			
Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac
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	90.3	90.1	87.3
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	79.3	79.0	79.4
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	87.3	84.1	85.5
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	71.9	68.6	71.1
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	78.6	77.8	78.2
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	80.9	78.4	81.6
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	86.5	84.5	85.1
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	78.7	77.4	79.4
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	81.5	80.0	81.9
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	93.0	94.4	96.9
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	74.8	77.0	78.9
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	83.0	87.7	89.8
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	78.7	72.7	84.7
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	80.8	79.8	83.0
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	93.7	83.9	88.9
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	89.9	83.6	87.8
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	81.3	76.4	76.6
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	68.0	70.5	73.0
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	78.9	78.1	77.3
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	84.1	83.8	84.3
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	84.4	84.0	84.3
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	79.7	76.9	81.6
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	81.8	81.7	82.7
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	83.6	86.1	86.1
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	83.1	80.8	83.5
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	81.4	78.9	78.5

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group - Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2024									
		Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	91.5	93.3	93.1	94.4	92.8	92.0	89.2	92.0	92.6	
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	81.3	84.2	82.0	87.2	87.2	84.9	85.3	86.0	86.0	
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	80.8	82.9	85.2	83.2	87.3	87.5	84.8	84.4	86.5	
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	70.5	77.4	78.1	79.0	79.7	79.6	79.8	77.6	75.5	
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	83.1	79.4	78.1	78.4	81.2	89.2	83.7	84.5	88.7	
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	79.9	78.5	77.0	79.2	79.7	81.4	79.9	81.1	79.1	
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	83.2	84.0	83.6	85.6	84.7	84.5	84.4	83.9	83.7	
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	82.7	83.4	82.2	83.3	84.4	83.9	83.0	84.8	84.6	
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	82.6	83.0	80.0	79.9	80.6	81.3	81.1	83.2	84.0	
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	95.5	96.5	92.0	88.3	87.3	89.6	90.6	92.7	92.5	
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	76.5	82.1	83.5	79.8	81.2	82.1	81.8	82.7	80.3	
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	88.5	89.5	89.7	89.2	87.9	89.1	87.6	87.7	88.8	
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	82.3	81.8	82.0	82.4	82.4	83.1	84.3	84.4	81.1	
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	81.8	82.4	82.9	81.0	88.9	89.0	81.0	81.7	81.5	
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>	87.9	88.9	86.9	88.9	92.2	88.9	88.0	84.8	85.8	
152	Pembuatan kasut <i>Manufacture of footwear</i>	82.7	83.0	82.3	78.4	78.2	82.2	80.4	84.1	85.4	
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planing of wood</i>	78.6	77.8	78.8	78.7	79.0	75.8	78.4	75.1	76.5	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	68.1	76.2	76.6	76.9	75.0	76.5	76.9	77.7	76.2	
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	77.3	75.9	78.0	78.2	78.4	78.5	78.0	79.8	79.2	
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>	85.6	85.2	84.3	84.9	85.1	85.6	84.9	86.3	87.8	
192	Pembuatan produk produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	80.2	81.4	83.1	80.2	79.9	79.8	81.0	82.0	81.4	
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>	80.3	82.0	85.1	84.0	85.6	82.7	80.5	79.3	80.0	
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	82.3	84.0	83.0	86.2	85.1	85.7	84.1	83.3	83.0	
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	84.8	84.7	87.2	87.9	85.3	85.5	83.5	82.9	85.3	
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	81.3	80.9	83.4	83.8	84.3	81.8	82.3	81.1	83.7	
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	78.0	81.3	82.7	83.7	82.8	80.4	81.0	82.2	79.8	

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017									
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	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. <i>Manufacture of non-metallic mineral products n.e.c.</i>	75.5	71.8	69.9	71.5	69.1	70.3	70.0	70.3	69.1	
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	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 <i>Manufacture of basic precious and other non-ferrous metals</i>	79.1	80.5	83.7	82.2	83.2	79.6	81.1	80.5	77.1	
243	Pengacuan logam <i>Casting of metals</i>	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 <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	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 <i>Manufacture of other fabricated metal products; metal working service activities</i>	74.6	73.4	73.9	73.1	74.9	70.5	72.2	73.2	71.9	
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	85.0	84.7	86.5	84.1	85.1	83.9	85.1	86.5	87.1	
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	62.8	62.0	69.2	64.2	63.4	67.5	64.8	69.4	73.5	
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	74.7	76.9	85.2	60.4	57.0	61.4	59.3	58.6	91.1	
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	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 <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	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 <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	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 <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	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 <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	76.6	78.3	80.0	79.6	76.1	75.1	77.1	76.9	74.7	
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	83.4	93.6	95.1	95.0	96.9	91.6	94.7	94.2	95.2	
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	84.1	82.6	81.0	79.2	80.5	76.9	78.7	79.1	76.5	
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	70.5	58.3	64.1	64.4	63.2	60.1	67.5	70.4	73.7	
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	74.5	69.7	67.7	80.5	79.1	79.5	90.1	87.6	88.5	
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	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 <i>Manufacture of general-purpose and special-purpose machinery</i>	78.5	76.4	78.9	78.1	77.5	73.9	75.1	75.4	74.1	
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	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 <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	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 <i>Manufacture of parts and accessories for motor vehicles</i>	76.9	70.7	76.6	73.5	74.5	71.6	75.0	76.0	76.6	
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	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. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	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	Jul.
231	Pembuatan kaca dan produk kaca Manufacture of glass and glass products	81.4	81.7	81.9	79.6	79.1	83.9	81.8	80.6	75.1	77.3
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. Manufacture of non-metallic mineral products n.e.c.	71.3	73.1	71.1	73.4	68.2	73.1	72.6	71.5	70.1	74.0
241	Pembuatan besi dan keluli asas Manufacture of basic iron and steel	78.4	79.7	78.5	81.2	75.3	83.0	81.0	79.3	73.7	81.9
242	Pembuatan logam asas berharga dan logam bukan ferus lain Manufacture of basic precious and other non-ferrous metals	80.9	80.2	79.3	75.5	71.6	75.8	76.0	75.3	73.2	76.4
243	Pengacuan logam Casting of metals	71.8	74.7	73.0	71.3	69.0	69.7	71.4	74.0	72.8	73.1
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	77.7	77.8	78.7	79.4	77.4	78.1	78.6	78.0	78.3	78.3
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam Manufacture of other fabricated metal products; metal working service activities	73.9	74.3	76.0	77.5	75.8	78.6	78.0	76.8	75.5	77.2
261	Pembuatan komponen dan papan elektronik Manufacture of electronic components and boards	86.3	87.4	85.9	83.2	85.4	86.9	85.3	85.2	84.1	85.3
262	Pembuatan komputer dan kelengkapan peranti Manufacture of computers and peripheral equipment	68.6	69.6	74.0	69.3	65.5	75.4	71.2	71.7	71.2	65.1
263	Pembuatan peralatan komunikasi Manufacture of communication equipment	67.7	72.0	88.2	85.0	69.9	82.7	80.7	80.0	72.8	84.1
264	Pembuatan peralatan elektronik pengguna Manufacture of consumer electronics	85.6	77.5	65.3	66.2	57.7	84.6	66.7	72.7	71.1	82.5
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam Manufacture of measuring, testing, navigating and control equipment; watches and clocks	67.6	70.1	69.2	71.4	73.9	67.1	66.9	69.1	60.1	74.4
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik Manufacture of irradiation, electromedical and electrotherapeutic equipment	94.4	95.8	92.0	53.3	67.1	55.9	55.9	57.0	54.3	51.6
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal Manufacture of optical instruments, photographic equipment, magnetic and optical media	91.7	88.5	85.6	89.1	89.9	88.4	87.9	78.9	76.1	78.2
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus	75.9	78.0	76.0	75.8	76.9	79.4	79.4	76.8	75.5	78.6
272	Pembuatan bateri dan akumulator Manufacture of batteries and accumulators	95.4	94.0	90.0	83.6	83.6	83.4	83.4	84.8	83.8	79.8
273	Pembuatan pendawaian dan peranti pendawaian Manufacture of wiring and wiring devices	77.0	76.1	75.0	79.7	77.2	77.5	77.4	76.1	76.9	77.6
274	Pembuatan kelengkapan pencahayaan elektrik Manufacture of electric lighting equipment	65.6	70.7	71.0	72.0	66.6	67.3	77.9	66.6	72.5	73.4
275	Pembuatan perkakasan domestik Manufacture of domestic appliances	88.7	84.3	87.1	89.0	84.8	89.4	94.9	95.6	87.9	81.3
279	Pembuatan kelengkapan elektrik lain Manufacture of other electrical equipment	89.6	88.2	85.9	87.0	86.9	88.7	87.4	87.1	86.6	87.2
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas Manufacture of general-purpose and special-purpose machinery	74.9	76.3	75.6	78.1	77.4	81.3	78.5	76.6	74.2	76.8
291	Pembuatan kenderaan bermotor Manufacture of motor vehicles	54.3	75.1	77.5	78.4	71.2	80.0	80.8	82.1	84.1	84.6
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	78.5	77.7	78.4	79.9	75.2	75.3	76.4	76.8	75.1	74.0
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor Manufacture of parts and accessories for motor vehicles	77.8	78.0	75.4	81.9	78.6	79.3	81.3	78.8	75.1	80.2
301	Pembinaan kapal dan bot Building of ships and boats	74.5	78.8	73.1	69.5	70.4	62.9	65.5	85.4	72.6	69.3
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.	78.3	78.8	82.1	85.0	82.2	71.4	70.6	70.4	72.2	71.8

2019															
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
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	72.6
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	72.5
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	76.2
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	76.5
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	75.2
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	77.6
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	75.9
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	82.6
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	65.4
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	68.8
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	71.7
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	64.1
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	64.8
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	66.8
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	78.0
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	83.8
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	75.9
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	69.1
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	87.5
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	87.5
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	77.1
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	82.9
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	76.4
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	78.0
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	70.9
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	81.1

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									
		Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	
231	Pembuatan kaca dan produk kaca Manufacture of glass and glass products	74.5	79.7	72.2	67.4	52.1	70.1	76.6	73.5	71.4	68.7	
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. Manufacture of non-metallic mineral products n.e.c.	72.8	70.1	66.0	53.2	38.2	55.5	60.4	68.0	69.2	69.1	
241	Pembuatan besi dan keluli asas Manufacture of basic iron and steel	73.0	72.9	69.7	58.0	45.9	56.7	66.3	70.4	62.0	70.3	
242	Pembuatan logam asas berharga dan logam bukan ferus lain Manufacture of basic precious and other non-ferrous metals	77.8	78.2	76.7	62.4	55.9	72.7	73.1	74.5	75.7	76.2	
243	Pengacuan logam Casting of metals	73.2	75.4	76.4	59.2	45.1	65.4	70.1	71.9	72.4	71.0	
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	77.3	72.7	73.5	68.0	51.6	65.5	70.0	71.6	71.7	73.4	
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam Manufacture of other fabricated metal products; metal working service activities	76.6	75.7	76.6	63.2	49.7	66.1	71.0	74.1	70.9	77.5	
261	Pembuatan komponen dan papan elektronik Manufacture of electronic components and boards	82.0	78.2	79.6	71.5	51.8	72.5	75.1	75.2	77.6	80.7	
262	Pembuatan komputer dan kelengkapan peranti Manufacture of computers and peripheral equipment	76.4	65.9	67.8	55.8	60.1	56.2	58.9	64.6	59.1	55.0	
263	Pembuatan peralatan komunikasi Manufacture of communication equipment	76.0	80.9	77.5	61.0	47.7	66.8	78.0	79.3	78.4	81.1	
264	Pembuatan peralatan elektronik pengguna Manufacture of consumer electronics	68.0	71.2	72.5	47.0	24.0	48.7	68.5	69.7	71.3	72.5	
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam Manufacture of measuring, testing, navigating and control equipment; watches and clocks	72.0	64.5	63.5	60.5	44.6	54.6	60.5	66.7	66.7	67.2	
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik Manufacture of irradiation, electromedical and electrotherapeutic equipment	60.5	73.8	77.8	70.6	46.7	62.4	65.6	68.3	66.0	72.8	
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal Manufacture of optical instruments, photographic equipment, magnetic and optical media	63.0	75.3	76.9	28.9	51.7	50.8	83.9	86.1	82.5	82.4	
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus	81.6	76.9	75.7	65.3	57.9	74.1	78.9	80.4	78.5	78.0	
272	Pembuatan bateri dan akumulator Manufacture of batteries and accumulators	66.5	74.6	71.1	42.0	31.0	50.6	60.9	69.4	76.0	77.6	
273	Pembuatan pendawaian dan peranti pendawaian Manufacture of wiring and wiring devices	74.6	76.1	74.5	62.9	51.1	65.3	68.2	71.2	71.0	74.1	
274	Pembuatan kelengkapan pencahayaan elektrik Manufacture of electric lighting equipment	70.6	57.9	67.9	45.0	45.0	55.6	69.6	64.8	67.3	70.8	
275	Pembuatan perkakasan domestik Manufacture of domestic appliances	88.0	84.1	80.1	62.2	31.2	68.2	63.3	75.0	73.8	73.2	
279	Pembuatan kelengkapan elektrik lain Manufacture of other electrical equipment	86.7	88.1	88.7	80.8	70.7	87.6	88.2	83.8	84.9	87.0	
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas Manufacture of general-purpose and special-purpose machinery	76.4	76.3	74.3	62.4	53.8	68.5	73.1	73.2	72.7	73.5	
291	Pembuatan kenderaan bermotor Manufacture of motor vehicles	71.6	67.8	66.6	66.5	15.2	44.8	64.6	67.5	69.9	71.4	
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	77.6	78.4	77.7	64.4	43.4	69.5	61.3	68.1	71.9	73.7	
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor Manufacture of parts and accessories for motor vehicles	80.3	76.1	74.9	62.3	36.9	53.9	67.3	71.9	74.6	75.3	
301	Pembinaan kapal dan bot Building of ships and boats	72.1	76.8	74.9	75.3	42.2	52.4	59.4	59.9	61.4	63.5	
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.	79.7	82.4	87.7	73.1	53.3	69.1	80.1	75.3	73.9	85.4	

2021												2022			
Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
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	75.7	85.9
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	71.3	81.7
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	63.6	78.1
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	81.4	84.5
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	72.3	77.4
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	78.5	83.2
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	71.5	81.1
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	83.7	84.6
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	70.6	77.7
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	75.7	77.2
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	80.8	67.8
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	63.4	70.2
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	75.7	78.9
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	79.2	88.4
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	86.0	85.2
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	66.5	68.5
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	78.5	82.6
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	75.8	70.0
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	78.5	88.1
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	89.0	86.6
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	76.9	81.8
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	73.1	76.1
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	74.3	71.4
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	78.4	80.3
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	66.8	77.1
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	68.9	78.4

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group - Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2022									
		Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	82.0	89.1	85.0	88.3	87.9	83.5	89.5	89.5	80.9	79.9
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	75.8	76.0	80.7	77.7	80.4	82.6	80.9	79.4	79.8	78.5
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	71.9	78.7	76.7	70.8	78.3	79.6	77.7	76.3	78.5	79.7
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	77.5	82.6	79.8	79.6	75.0	80.9	82.1	77.1	71.3	73.5
243	Pengacuan logam <i>Casting of metals</i>	77.3	81.0	78.9	78.4	79.6	75.9	75.8	78.8	73.5	72.5
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>	80.5	79.5	76.2	74.5	76.8	76.3	76.6	77.8	80.9	79.2
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>	76.9	81.1	81.5	72.6	78.0	77.4	76.2	77.5	79.2	78.2
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	87.5	86.8	81.6	80.6	85.7	85.8	86.2	88.2	83.8	85.6
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	53.6	76.9	62.1	68.6	78.5	77.3	75.1	76.6	59.1	56.9
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	78.2	79.6	74.8	79.7	79.1	76.6	66.1	84.1	75.4	77.5
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	69.4	73.6	73.8	73.1	76.9	71.9	66.7	70.4	70.1	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>	72.2	84.8	79.3	76.8	85.4	82.6	87.6	86.9	85.5	83.4
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	77.9	87.1	82.6	76.7	85.4	69.5	87.9	84.6	87.3	79.0
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	69.7	89.3	83.8	76.7	76.1	88.8	89.5	88.0	83.6	88.4
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>	78.6	82.8	80.7	78.1	84.1	84.8	85.7	83.1	80.6	84.3
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	68.3	93.9	95.1	83.4	85.4	87.1	79.5	77.3	65.3	74.3
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	74.0	84.2	82.5	79.8	82.1	81.3	81.8	80.8	78.3	77.6
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	79.8	82.8	69.8	73.9	78.4	77.2	81.6	78.3	78.8	71.8
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	81.3	80.8	73.0	69.1	78.2	91.7	92.4	88.1	90.3	89.5
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	88.9	94.2	87.4	86.4	88.3	90.2	93.4	88.8	88.2	80.8
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	79.7	83.5	84.3	79.3	83.2	84.6	84.6	81.4	78.7	80.0
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	89.2	82.7	76.0	79.0	77.0	76.4	86.6	90.6	81.2	85.5
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>	51.3	62.4	79.7	87.8	83.8	71.1	83.4	83.3	87.3	89.2
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	81.3	89.7	86.6	86.6	90.5	88.8	88.8	90.6	87.2	90.9
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	67.7	82.5	72.4	71.7	82.7	80.5	87.8	54.7	66.3	61.4
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. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	78.3	86.8	85.1	84.3	84.3	84.1	87.8	86.1	84.7	87.0

2023												2024			
Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac
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	88.9	86.8	86.8
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	85.9	84.6	85.1
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	78.3	81.3	80.8
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	78.9	76.3	77.7
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	79.5	76.1	74.2
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	86.2	84.0	85.2
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	82.6	80.3	83.5
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	75.0	75.6	80.3
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	76.6	79.4	72.7
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	79.1	74.9	78.6
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	74.8	72.5	77.9
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	78.1	76.7	88.0
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	93.9	90.5	93.6
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	81.4	89.0	86.7
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	78.7	79.0	81.6
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	82.6	81.3	84.9
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	84.7	80.6	83.1
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	90.1	84.8	88.0
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	76.0	75.1	86.6
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	77.6	83.0	79.2
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	82.6	82.9	85.6
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	92.9	91.1	90.4
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	63.4	70.8	69.1
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	84.9	80.8	77.3
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	82.3	76.6	75.7
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	86.8	87.2	90.4

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Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2024									
		Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	83.2	85.6	81.1	83.0	83.4	85.4	81.0	81.8	86.0	
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	84.4	82.1	84.3	85.7	86.2	86.1	87.5	87.1	86.8	
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	80.2	80.4	80.1	80.2	80.9	82.5	81.1	81.5	79.7	
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	78.7	75.9	76.1	75.6	79.6	78.2	79.4	82.7	80.8	
243	Pengacuan logam <i>Casting of metals</i>	72.5	75.4	73.3	77.8	73.1	73.8	77.7	76.8	79.1	
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>	85.9	85.7	89.9	87.7	88.3	89.0	88.7	88.0	88.7	
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>	79.7	81.9	83.1	81.0	82.6	83.6	83.5	84.2	84.7	
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	77.5	82.2	85.9	78.4	79.5	79.3	78.9	78.5	79.4	
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	69.9	80.9	76.7	77.2	85.7	80.1	73.7	81.5	71.8	
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	79.0	89.0	84.0	82.8	86.8	87.0	82.5	89.7	88.9	
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	80.0	84.0	82.8	82.8	81.4	88.3	84.4	82.9	76.8	
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>	67.9	80.9	77.7	89.7	88.9	89.2	87.5	87.5	87.2	
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	80.1	81.7	84.7	92.4	88.3	84.1	86.5	88.0	57.6	
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	81.8	87.0	82.4	89.4	84.7	85.9	75.5	83.4	68.2	
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>	76.6	78.9	82.0	84.4	85.1	83.0	82.9	80.8	79.9	
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	76.7	77.7	69.3	71.4	71.6	72.4	69.0	73.4	63.3	
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	79.8	80.4	81.4	82.7	84.1	82.8	83.7	83.0	85.3	
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	87.4	84.6	81.9	83.5	82.3	80.4	83.1	78.1	85.2	
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	89.6	92.2	92.0	95.8	85.9	89.8	88.7	84.1	82.0	
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	83.1	83.5	82.8	65.9	77.3	79.5	80.9	89.0	88.0	
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	87.5	88.5	89.5	88.2	88.4	86.4	85.8	87.6	87.3	
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	89.8	94.5	85.4	89.5	90.0	79.4	81.1	81.0	78.6	
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>	87.5	73.7	78.0	75.2	66.9	72.3	83.6	86.8	85.4	
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	89.3	90.3	81.3	81.5	85.9	79.6	78.5	77.8	81.3	
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	84.2	78.8	66.5	74.6	77.2	79.9	79.8	83.2	83.9	
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>	81.9	87.2	89.4	88.5	88.2	87.7	86.2	85.9	83.9	

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, bijouterie 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

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Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017		2018							
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
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	80.5
321	Pembuatan barang kemas, bijouterie 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	68.9
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	69.7
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	74.5
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	72.4
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>	83.1	84.6	75.8	81.3	82.9	81.2	74.3	71.8	74.9	76.5
Malaysia		79.7	80.4	79.9	80.2	77.7	81.1	79.7	80.0	78.6	80.7

2019															
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
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	81.3
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	80.8
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	72.0
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	71.8
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	72.2
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	77.1
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	79.1

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Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2019	2020									
		Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	
310	Pembuatan perabot <i>Manufacture of furniture</i>	82.3	80.1	79.1	68.6	29.7	57.4	66.6	69.2	73.3	75.9	
321	Pembuatan barang kemas, bijouterie dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	78.9	75.6	72.3	51.9	37.7	55.9	68.4	68.5	77.6	77.2	
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>	68.7	82.1	79.6	62.3	50.2	68.3	77.2	80.4	79.1	79.8	
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	74.3	78.3	74.6	60.7	47.6	67.1	75.8	75.1	74.5	76.4	
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	66.1	84.4	78.1	51.4	60.0	66.9	80.2	82.5	86.5	86.1	
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>	70.4	72.7	70.8	68.0	56.7	66.0	75.7	70.9	74.4	74.6	
	Malaysia	78.4	74.6	74.7	64.4	47.7	63.9	70.9	72.2	72.4	74.4	

2021												2022			
Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
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	76.7	83.9
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	68.9	84.5
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	77.1	83.1
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	77.5	89.3
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	56.6	75.5
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	73.5	81.8
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	75.7	81.3

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Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2022									
		Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
310	Pembuatan perabot <i>Manufacture of furniture</i>	80.4	85.2	84.7	81.9	85.0	85.1	85.8	84.5	85.7	82.8
321	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	61.2	83.9	67.9	80.1	84.4	77.9	85.0	82.6	87.2	81.1
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>	85.3	82.6	82.1	85.8	84.4	85.6	82.4	82.3	77.8	83.2
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	93.7	92.7	93.5	93.9	97.3	95.3	85.3	83.4	82.2	85.0
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	78.9	72.7	74.3	77.8	77.6	79.7	79.5	81.6	66.0	75.9
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>	82.4	85.1	71.2	84.9	84.6	77.8	80.8	79.1	68.1	80.2
	Malaysia	80.2	81.7	80.4	77.4	79.1	80.9	81.2	81.7	80.1	80.4

2023												2024			
Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac
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	89.0	86.2	88.9
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	91.9	84.6	88.4
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	80.3	79.3	81.7
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	90.4	82.8	88.9
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	70.7	75.5	76.4
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	84.1	84.0	86.4
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	80.9	79.8	81.7

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Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2024									
		Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
310	Pembuatan perabot <i>Manufacture of furniture</i>	86.3	86.4	84.8	82.8	84.2	83.9	86.8	87.8	88.7	
321	Pembuatan barang kemas, bijouterie dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	86.7	83.9	86.3	86.2	82.6	82.6	87.7	83.7	81.8	
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>	80.8	82.1	80.6	80.9	81.6	83.0	82.6	84.3	84.5	
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	90.4	95.4	89.4	98.3	93.8	91.3	92.4	96.8	95.8	
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	69.9	83.7	75.2	75.8	74.0	76.3	70.6	76.2	75.4	
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>	83.9	82.2	84.6	85.2	84.8	84.5	87.2	86.8	85.1	
	Malaysia	80.3	82.7	83.2	82.2	82.8	82.3	81.9	82.2	81.4	

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	2024
	C	PEMBUATAN MANUFACTURING	79.2	79.1	77.8	69.8	73.9	80.4	79.4	81.8
1.		Industri Berorientasikan Eksport Export-Oriented Industries	81.2	80.4	78.5	70.4	75.5	80.4	78.4	80.9
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	75.7
1.2	13	Pembuatan tekstil <i>Manufacture of textiles</i>	71.3	69.1	69.1	65.7	73.7	85.5	76.8	82.4
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	81.7
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	75.1
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	81.8
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	81.9
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	82.5
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	80.9
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	79.8
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	82.1
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	86.7
1.12	31	Pembuatan perabot <i>Manufacture of furniture</i>	81.4	80.0	79.9	68.8	70.2	83.8	81.2	86.3
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	74.2	76.1	76.1	68.2	69.9	80.3	81.4	83.7
2.1	10 (Kecuali 104)	Pembuatan produk prosesan makanan <i>Manufacture of food processing products</i>	76.5	75.4	75.0	75.4	75.2	80.9	82.6	84.2
2.2	11	Pembuatan minuman <i>Manufacture of beverages</i>	67.3	71.9	71.4	65.3	67.3	81.5	80.1	81.6
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	92.5
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	84.9
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	78.1
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	85.2
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	85.2
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	85.3
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	79.6
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	84.3
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	84.6
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	83.8
2.13	32	Pembuatan lain <i>Other manufacturing</i>	76.6	73.9	76.3	72.6	71.9	76.9	81.0	82.3
2.14	33	Membaiki 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	84.9

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 prosesanan 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	Membaiki 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		2022	
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
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	81.3	80.2
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	81.2	80.5
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	69.1	70.3
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	87.7	84.6
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	74.2	70.6
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	73.5	70.8
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	81.6	85.7
	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
	79.5	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	77.6
	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	81.4
	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	81.7
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	85.2	82.9
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	83.1	79.8
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	85.1	83.0
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	81.4	79.5
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	83.9	81.9
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	81.8	80.7
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	68.8	77.8
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	92.4	92.8
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	78.4	76.6
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	84.5	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	86.4	77.0
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	81.8	79.1
	73.3	75.6	77.5	76.5	69.0	60.3	70.5	72.2	65.4	64.6	72.8	78.2	76.4	78.6	75.7
	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	79.5	80.9
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	86.3	81.3
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	82.3	82.8
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	77.9	77.8
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	80.2	75.7

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	2023				2024			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	C	PEMBUATAN MANUFACTURING	79.8	78.3	79.4	79.9	80.8	82.1	82.4	81.9
1.		Industri Berorientasikan Eksport Export-Oriented Industries	79.3	77.4	78.4	78.5	79.5	81.3	81.8	80.9
1.1	104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	65.9	70.1	76.6	76.4	70.5	75.4	79.4	77.6
1.2	13	Pembuatan tekstil <i>Manufacture of textiles</i>	74.9	78.4	76.8	77.2	79.8	83.2	83.3	83.5
1.3	14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	78.5	81.7	82.2	83.3	78.8	82.0	82.7	83.2
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>	68.4	69.0	71.8	72.4	72.4	74.8	76.6	76.9
1.5	19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	82.2	73.4	74.2	76.1	84.2	81.6	80.0	81.4
1.6	20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	80.0	81.2	82.2	80.0	80.0	82.6	84.4	80.7
1.7	221	Pembuatan produk getah <i>Manufacture of rubber products</i>	77.5	78.2	77.9	76.6	82.5	81.9	83.3	82.4
1.8	222	Pembuatan produk plastik <i>Manufacture of plastic products</i>	80.4	78.6	79.6	80.4	79.6	80.7	82.3	81.0
1.9	26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	78.4	79.1	79.0	78.5	77.3	81.1	81.3	79.7
1.10	27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	81.0	78.0	81.5	81.0	80.8	82.4	82.7	82.4
1.11	28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	79.9	84.5	84.4	84.3	83.7	88.5	87.7	86.9
1.12	31	Pembuatan perabot <i>Manufacture of furniture</i>	80.3	79.3	78.1	87.3	88.0	85.8	83.6	87.8
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	80.9	80.3	81.7	82.9	83.6	83.7	83.8	83.9
2.1	10 (Kecuali 104)	Pembuatan produk proses makanan <i>Manufacture of food processing products</i>	83.8	80.6	83.2	83.0	83.3	83.5	85.1	84.8
2.2	11	Pembuatan minuman <i>Manufacture of beverages</i>	77.9	80.4	80.2	81.8	81.1	81.9	80.6	82.7
2.3	12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	93.6	89.5	84.4	89.8	94.8	94.7	88.4	92.0
2.4	15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	86.1	79.9	80.1	82.1	87.7	84.4	83.1	84.3
2.5	17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	77.3	76.6	77.7	78.9	78.1	77.1	78.4	79.0
2.6	18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	81.5	83.2	83.4	84.8	84.1	85.0	85.2	86.3
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	82.8	82.7	83.3	83.2	85.2	85.6	86.2	83.9
2.8	23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	77.4	80.5	83.4	85.7	85.5	83.6	85.7	86.6
2.9	24	Pembuatan logam asas <i>Manufacture of basic metals</i>	78.4	77.9	79.0	80.3	79.1	78.8	79.7	80.6
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	80.6	79.7	81.7	83.1	83.2	83.7	84.6	85.7
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	86.1	82.1	81.6	81.3	86.1	88.3	84.1	79.9
2.12	30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	80.0	78.8	79.8	83.0	84.1	83.4	83.7	84.2
2.13	32	Pembuatan lain <i>Other manufacturing</i>	80.6	79.1	81.5	82.7	82.1	82.0	81.9	83.2
2.14	33	Membaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	82.8	78.9	82.4	84.5	84.8	83.6	84.8	86.4

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	2017								
			Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
	C	PEMBUATAN MANUFACTURING	79.4	78.5	79.3	76.3	78.0	78.7	80.1	80.3	79.8
1.		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 proses 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	Jul.
1.	C	PEMBUATAN MANUFACTURING	79.7	80.4	79.9	80.2	77.7	81.1	79.7	80.0	78.6	80.7
		Industri Berorientasikan Eksport Export-Oriented Industries	82.5	82.3	81.7	81.4	79.3	82.8	80.8	81.2	80.0	81.7
	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	78.8
	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	69.1
	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	89.1
	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	76.3
	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	85.8
	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	83.4
	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	80.2
	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	80.1
	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	81.0
	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	79.9
	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	76.6
	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	80.5
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	78.1
	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	72.9
	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	81.7
	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	66.8
	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	86.4
	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	81.6
	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	81.3
	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	79.5
	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	74.4
	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	79.6
	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	77.0
	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	82.6
	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	71.3
	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	71.9
	2.14	33 Membaiki 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	77.5

2019															
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
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	79.1
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	79.9
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	66.4
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	69.9
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	87.5
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	72.8
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	85.6
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	82.6
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	81.2
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	77.9
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	76.6
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	80.8
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	77.0
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	81.3
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	77.1	77.1
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	73.0	74.1
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	76.2
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	75.6
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	80.6
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	81.2
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	77.0
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	72.1
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	72.5
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	76.3
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	75.6
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	80.7
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	76.6
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	78.8
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	83.8

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	2019	2020								
			Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
	C	PEMBUATAN MANUFACTURING	78.4	74.6	74.7	64.4	47.7	63.9	70.9	72.2	72.4	74.4
1.		Industri Berorientasikan Eksport Export-Oriented Industries	79.7	74.6	75.3	65.0	48.9	65.3	71.7	72.5	72.9	74.8
1.1	104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	65.4	65.7	68.6	80.8	76.8	79.8	79.6	76.0	69.0	69.5
1.2	13	Pembuatan tekstil <i>Manufacture of textiles</i>	68.2	76.0	74.4	64.8	39.0	56.1	67.3	68.4	68.2	68.3
1.3	14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	90.8	78.4	79.9	69.1	52.4	59.7	70.3	68.9	72.9	74.4
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>	71.7	70.9	71.5	59.6	55.0	61.6	70.6	70.0	70.1	70.9
1.5	19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	83.8	67.5	69.2	60.3	32.0	54.2	66.6	65.3	66.6	69.2
1.6	20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	81.4	78.1	79.3	70.8	62.8	76.5	75.6	77.9	76.2	79.8
1.7	221	Pembuatan produk getah <i>Manufacture of rubber products</i>	81.6	82.7	82.4	77.7	80.1	78.1	81.7	82.8	82.9	83.1
1.8	222	Pembuatan produk plastik <i>Manufacture of plastic products</i>	77.5	78.2	76.4	67.3	61.2	71.5	76.6	77.1	75.7	76.8
1.9	26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	77.8	75.0	76.1	64.2	47.9	65.1	71.3	72.7	73.4	75.1
1.10	27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	79.8	78.9	77.3	63.3	49.1	69.4	71.8	75.5	75.5	76.8
1.11	28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	76.3	76.2	74.5	61.4	52.6	68.9	73.7	73.3	72.5	73.1
1.12	31	Pembuatan perabot <i>Manufacture of furniture</i>	82.3	80.1	79.1	68.6	29.7	57.4	66.6	69.2	73.3	75.9
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	75.4	74.4	73.3	62.9	44.2	60.3	69.1	71.5	71.1	73.5
2.1	10 (Kecuali 104)	Pembuatan produk proses makanan <i>Manufacture of food processing products</i>	75.3	76.1	75.2	70.0	68.5	74.0	77.7	74.5	78.3	77.5
2.2	11	Pembuatan minuman <i>Manufacture of beverages</i>	77.1	71.4	73.6	58.9	49.8	50.9	62.9	65.0	66.6	71.0
2.3	12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	71.5	73.9	72.5	54.0	1.6	73.6	68.6	76.0	73.2	62.1
2.4	15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	83.4	79.0	76.5	61.6	44.0	67.8	72.7	73.9	71.9	72.7
2.5	17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	79.7	78.5	78.6	66.1	61.8	68.1	75.2	75.9	74.5	76.6
2.6	18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	76.6	73.6	76.4	71.4	47.3	64.9	76.4	75.3	71.1	71.3
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	67.5	76.2	73.5	69.2	69.4	68.6	73.6	73.4	77.1	77.6
2.8	23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	73.0	71.4	66.8	55.1	40.2	57.4	62.5	68.7	69.5	69.1
2.9	24	Pembuatan logam asas <i>Manufacture of basic metals</i>	74.7	74.9	72.5	59.5	49.3	62.7	68.8	71.9	67.3	72.4
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	75.9	75.6	76.7	64.2	49.2	65.0	71.3	74.5	72.5	77.3
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	75.3	71.4	70.3	64.8	24.7	49.1	65.6	69.3	71.9	73.0
2.12	30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	76.3	80.1	79.0	68.8	47.1	61.4	72.1	66.8	66.9	72.8
2.13	32	Pembuatan lain <i>Other manufacturing</i>	75.7	77.8	75.2	62.9	56.5	67.3	73.9	74.7	78.2	78.2
2.14	33	Membaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	77.4	77.8	74.5	68.9	51.3	66.7	79.8	72.0	78.2	76.4

2021												2022			
Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
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	75.7	81.3
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	76.8	81.6
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	65.3	66.2
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	72.8	88.1
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	80.5	73.1
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	69.0	71.8
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	67.7	85.7
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	80.8	81.1
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	81.7	83.3
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	74.9	80.6
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	80.1	79.9
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	80.5	83.3
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	77.0	82.7
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	76.7	83.9
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	73.1	80.6
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	74.3	82.4
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	73.8	87.9
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	72.0	97.9
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	90.0
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	75.5	83.6
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	74.4	75.9
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	71.3	78.6
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	71.9	82.3
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	70.2	80.2
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	73.5	81.4
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	75.3	77.7
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	71.3	77.0
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	72.7	78.9
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	74.9	81.6

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	2022									
			Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
1.	C	PEMBUATAN MANUFACTURING	80.2	81.7	80.4	77.4	79.1	80.9	81.2	81.7	80.1	80.4
		Industri Berorientasikan Eksport Export-Oriented Industries	80.8	81.5	80.8	76.8	78.2	80.8	80.9	81.9	80.0	80.3
	1.1	104 Pembuatan minyak dan lemak daripada sayuran dan haiwan Manufacture of vegetable and animal oils and fats	62.6	65.1	59.1	69.6	68.7	67.9	70.5	68.7	71.6	74.1
	1.2	13 Pembuatan tekstil Manufacture of textiles	84.8	86.8	84.5	80.7	83.8	85.8	86.1	91.4	85.4	84.7
	1.3	14 Pembuatan pakaian Manufacture of wearing apparel	70.8	76.0	78.5	80.8	75.8	77.5	72.0	73.2	68.8	69.5
	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	70.7	75.3	73.8	72.2	74.4	71.8	75.2	73.4	72.6	70.0
	1.5	19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	90.8	76.8	86.4	71.6	66.2	79.8	80.1	85.0	84.7	86.4
	1.6	20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical product	77.7	84.3	82.1	79.7	78.5	80.8	82.5	76.4	81.2	80.0
	1.7	221 Pembuatan produk getah Manufacture of rubber products	80.4	82.6	83.0	80.4	80.7	77.3	78.9	76.5	78.3	76.4
	1.8	222 Pembuatan produk plastik Manufacture of plastic products	77.9	81.5	79.7	78.5	80.9	80.7	81.1	82.5	81.9	80.0
	1.9	26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	78.5	82.8	77.1	77.4	82.8	81.4	80.3	83.3	77.7	78.5
	1.10	27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	78.1	85.2	81.5	78.1	82.7	85.8	86.2	83.5	81.4	81.7
	1.11	28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	79.0	83.4	84.5	79.4	83.1	84.5	84.6	80.4	77.6	80.4
	1.12	31 Pembuatan perabot Manufacture of furniture	80.4	85.2	84.7	81.9	85.0	85.1	85.8	84.5	85.7	82.8
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	78.8	82.1	79.3	79.0	81.3	81.1	81.9	81.3	80.2	80.5
2.1	10 (Kecuali 104)	Pembuatan produk prosesan makanan Manufacture of food processing products	73.6	81.2	71.3	81.6	83.6	84.7	84.8	82.3	82.2	80.8
2.2	11	Pembuatan minuman Manufacture of beverages	80.5	81.1	81.1	80.8	79.5	82.6	82.4	80.4	79.9	78.8
2.3	12	Pembuatan produk tembakau Manufacture of tobacco products	99.1	97.7	79.1	99.3	96.8	74.3	54.6	77.6	77.5	56.5
2.4	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	83.9	89.2	85.0	82.9	92.7	90.7	94.3	92.3	92.1	92.9
2.5	17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	80.0	84.5	80.3	76.8	80.9	79.5	78.1	77.6	77.9	75.4
2.6	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	77.3	80.9	81.8	80.7	85.9	83.3	85.2	85.0	82.2	83.5
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical, medicinal chemical and botanical products	71.1	80.4	78.5	76.3	84.6	86.7	88.2	84.2	82.2	79.2
2.8	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	76.6	77.7	81.2	79.1	81.4	82.7	82.0	80.7	80.0	78.7
2.9	24	Pembuatan logam asas Manufacture of basic metals	74.1	80.2	77.8	74.2	77.2	79.9	79.1	76.7	75.8	77.2
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	78.1	82.6	81.8	76.1	79.9	80.2	78.9	79.4	81.5	81.0
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	85.2	85.0	80.3	82.2	82.5	81.2	87.4	90.4	83.7	87.7
2.12	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	75.0	82.3	79.7	82.0	84.3	84.9	88.9	73.2	79.8	77.0
2.13	32	Pembuatan lain Other manufacturing	72.6	76.2	70.1	79.1	78.4	77.7	78.4	77.6	76.9	77.2
2.14	33	Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	80.9	84.4	59.4	84.6	84.3	78.3	81.4	81.0	76.1	82.6

2023												2024			
Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac
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	80.9	79.8	81.7
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	79.3	78.3	80.9
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	71.9	68.6	71.1
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	77.2	80.1	82.1
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	78.7	72.9	84.6
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	71.2	71.9	73.9
75.5	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	84.4	84.3
	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	80.2	81.8
	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	83.1	83.5
	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	81.4	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	76.2	79.5
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	79.9	79.5	83.1
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	82.6	82.9	85.6
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	89.0	86.2	88.9
77.8	78.8	80.9	83.1	78.6	81.5	80.8	80.5	81.9	82.6	82.6	83.1	82.9	84.3	83.0	83.6
82.7	84.5	82.0	84.9	79.2	81.5	81.2	81.9	83.3	84.2	83.1	82.9	83.1	84.1	82.6	83.2
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	81.5	80.0	81.9
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	93.0	94.4	96.9
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	91.2	83.7	88.2
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	78.9	78.1	77.3
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	84.1	83.8	84.3
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	83.6	86.1	86.1
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	86.3	85.4
	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	78.6	79.4
	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	83.9	84.1
	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	88.5	83.9
	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	84.9	84.4
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	83.0	80.3	82.9
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	84.1	84.0	86.4

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								
			Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
1.	C	PEMBUATAN MANUFACTURING	80.3	82.7	83.2	82.2	82.8	82.3	81.9	82.2	81.4
		Industri Berorientasikan Eksport Export-Oriented Industries	78.6	82.0	83.2	81.6	82.1	81.6	81.1	81.4	80.2
	1.1	104 Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	70.5	77.4	78.1	79.0	79.7	79.6	79.8	77.6	75.5
	1.2	13 Pembuatan tekstil <i>Manufacture of textiles</i>	80.0	84.2	85.3	82.5	83.2	84.1	83.5	84.1	82.8
	1.3	14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	82.3	81.8	82.0	82.4	82.6	83.2	84.2	84.3	81.1
	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>	70.7	76.6	77.1	77.4	76.0	76.3	77.2	77.1	76.3
	1.5	19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	80.2	81.4	83.1	80.2	79.9	79.8	81.0	82.0	81.4
	1.6	20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	80.7	82.4	84.6	84.5	85.5	83.3	81.3	80.2	80.7
	1.7	221 Pembuatan produk getah <i>Manufacture of rubber products</i>	81.3	80.9	83.4	83.8	84.3	81.8	82.3	81.1	83.7
	1.8	222 Pembuatan produk plastik <i>Manufacture of plastic products</i>	78.0	81.3	82.7	83.7	82.8	80.4	81.0	82.2	79.8
	1.9	26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	76.7	82.8	83.6	80.2	81.8	82.0	80.0	81.1	78.2
	1.10	27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	81.4	82.8	83.1	82.5	82.7	83.0	82.9	82.6	81.6
	1.11	28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	87.5	88.5	89.5	88.2	88.4	86.4	85.8	87.6	87.3
2.	31	Pembuatan perabot <i>Manufacture of furniture</i>	86.3	86.4	84.8	82.8	84.2	83.9	86.8	87.8	88.7
		Industri Berorientasikan Domestik Domestic-Oriented Industries	83.7	84.1	83.2	83.6	84.3	83.6	83.5	84.0	84.1
	2.1	10 (Kecuali 104) Pembuatan produk proses makanan <i>Manufacture of food processing products</i>	83.6	83.8	83.2	84.8	84.9	85.7	84.4	84.8	85.2
	2.2	11 Pembuatan minuman <i>Manufacture of beverages</i>	82.6	83.0	80.0	79.9	80.6	81.3	81.1	83.2	84.0
	2.3	12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	95.5	96.5	92.0	88.3	87.3	89.6	90.6	92.7	92.5
	2.4	15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	84.4	85.0	83.9	81.9	82.9	84.5	83.0	84.4	85.6
	2.5	17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	77.3	75.9	78.0	78.2	78.4	78.5	78.0	79.8	79.2
	2.6	18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	85.6	85.2	84.3	84.9	85.1	85.6	84.9	86.3	87.8
	2.7	21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	84.8	84.7	87.2	87.9	85.3	85.5	83.5	82.9	85.3
	2.8	23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	84.2	82.6	83.9	85.4	85.8	86.0	86.7	86.4	86.7
	2.9	24 Pembuatan logam asas <i>Manufacture of basic metals</i>	79.2	78.7	78.4	78.6	80.0	80.6	80.4	81.5	80.0
	2.10	25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	82.0	83.3	85.7	83.5	84.8	85.6	85.4	85.6	86.2
	2.11	29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	89.5	92.0	83.4	85.4	87.5	79.3	80.0	79.8	80.0
	2.12	30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	82.8	83.8	83.7	82.8	83.7	84.5	83.7	84.9	84.0
	2.13	32 Pembuatan lain <i>Other manufacturing</i>	81.3	83.0	81.7	82.1	81.3	82.4	82.8	83.6	83.1
	2.14	33 Membaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	83.9	82.2	84.6	85.2	84.8	84.5	87.2	86.8	85.1

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

Negeri State	2017	2018	2019	2020	2021	2022	2023	2024
Johor	77.3	79.6	78.6	71.3	74.0	81.2	80.7	83.4
Kedah	85.2	86.2	87.5	78.5	81.6	85.2	79.5	78.6
Kelantan	71.1	72.9	74.4	70.5	73.4	79.4	75.2	72.0
Melaka	90.3	91.1	75.2	56.9	70.9	83.2	82.7	83.2
Negeri Sembilan	77.0	73.9	76.7	69.7	70.4	84.8	83.4	84.6
Pahang	78.2	82.1	80.7	76.3	78.3	77.4	79.6	83.9
Pulau Pinang	79.5	79.1	77.6	72.0	75.0	76.8	77.3	79.9
Perak	71.4	70.6	70.8	70.4	72.6	76.3	77.6	79.7
Perlis	76.1	82.0	71.5	62.5	71.2	75.7	66.6	68.8
Selangor	75.9	75.7	75.8	68.9	72.5	81.3	81.4	84.3
Terengganu	86.3	86.1	91.5	78.7	84.7	80.4	79.5	83.8
Sabah	72.7	74.1	74.8	68.0	70.8	72.1	74.2	75.3
Sarawak	83.3	80.3	79.5	68.9	73.3	77.7	74.8	77.9
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	63.6	61.5	61.3	58.7	64.1	75.7	76.9	78.7
Wilayah Persekutuan Labuan	78.4	84.1	76.1	67.0	74.8	80.3	90.4	96.3
Malaysia	79.2	79.1	77.8	69.8	73.9	80.4	79.4	81.8

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	Q3	Q4
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	81.9	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	85.2	85.1
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	79.5	75.6
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	87.9	87.4
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	84.5	82.2
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	76.7	75.1
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	78.0	75.4
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	74.2	77.2
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	73.4	74.4
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	83.1	80.6
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	82.3	84.7
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	72.0	69.1
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	75.2	77.5
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	75.6	75.2
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	93.1
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	81.3	80.2

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

Negeri State	2023				2024			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Johor	80.7	79.0	81.6	81.5	80.9	83.3	84.4	84.8
Kedah	83.8	78.5	77.9	77.8	78.7	80.6	77.7	77.3
Kelantan	77.4	73.8	75.8	73.7	69.8	73.6	73.7	71.2
Melaka	81.4	82.6	85.3	81.3	80.0	83.5	85.2	84.0
Negeri Sembilan	82.0	82.0	86.0	83.6	85.0	84.4	85.7	83.2
Pahang	76.3	75.4	83.5	83.3	80.9	84.7	85.3	84.6
Pulau Pinang	76.8	76.0	76.8	79.5	78.4	80.1	81.1	80.0
Perak	77.1	76.8	77.1	79.4	77.8	79.2	80.7	81.2
Perlis	65.8	62.3	65.5	72.7	71.1	69.2	67.5	67.4
Selangor	79.7	81.6	82.4	82.0	83.0	84.6	85.3	84.1
Terengganu	78.8	85.8	80.6	72.7	81.9	84.8	85.8	82.8
Sabah	72.3	72.4	77.2	74.8	73.4	74.8	77.0	76.2
Sarawak	81.6	70.5	70.4	76.7	80.6	77.9	75.6	77.4
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	79.6	76.0	74.8	77.1	78.7	78.7	78.8	78.6
Wilayah Persekutuan Labuan	93.3	75.0	97.2	95.9	96.2	94.3	96.7	97.9
Malaysia	79.8	78.3	79.4	79.9	80.8	82.1	82.4	81.9

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	Jul.
Johor	78.7	78.8	76.4	79.9	78.5	80.4	80.8	81.7	78.1	80.4
Kedah	85.0	86.2	86.5	82.8	84.5	87.4	86.3	86.2	86.0	85.8
Kelantan	72.6	75.0	67.7	73.4	75.6	78.0	71.9	69.4	72.1	71.5
Melaka	92.9	91.9	92.0	91.0	90.3	91.7	92.0	92.4	92.2	91.7
Negeri Sembilan	77.0	76.6	74.1	80.9	77.3	75.4	79.4	77.1	78.4	77.7
Pahang	77.9	73.9	76.7	84.8	84.0	86.0	75.2	77.4	82.1	84.6
Pulau Pinang	81.3	81.8	82.6	80.8	79.0	79.1	79.4	80.1	77.2	80.6
Perak	74.3	73.2	72.2	72.4	67.6	73.3	72.1	71.0	68.2	73.9
Perlis	85.3	85.2	84.3	90.4	90.3	90.4	90.1	89.8	88.6	89.5
Selangor	75.1	76.6	76.0	75.7	72.4	79.7	76.3	76.5	75.7	78.4
Terengganu	85.4	85.4	88.9	86.7	87.0	88.9	84.6	88.2	78.0	84.5
Sabah	76.4	74.6	74.2	73.3	69.3	75.0	75.3	74.6	73.7	77.8
Sarawak	83.7	87.6	86.3	84.1	76.9	82.0	80.0	79.3	79.5	80.2
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	66.1
Wilayah Persekutuan Labuan	72.7	67.9	60.4	93.1	91.6	77.6	87.9	89.5	83.4	87.1
Malaysia	79.7	80.4	79.9	80.2	77.7	81.1	79.7	80.0	78.6	80.7

2019															
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
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	78.4
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	87.8
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	72.8
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	81.3
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	74.6
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	85.3
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	78.7
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	70.9
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	71.1
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	76.5
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	94.5
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	79.0
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	83.0
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	61.9
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	42.3
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	79.1

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

Negeri State	2019	2020								
	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
Johor	78.9	77.6	77.5	63.0	47.3	66.7	70.2	74.7	73.3	76.3
Kedah	88.5	77.4	78.7	76.0	65.7	76.5	80.5	80.8	79.9	81.6
Kelantan	73.2	72.7	75.2	60.6	56.9	68.8	70.8	74.5	73.9	71.7
Melaka	80.9	59.3	60.0	41.0	28.0	49.8	63.1	56.7	62.9	67.8
Negeri Sembilan	71.6	76.7	76.3	67.6	54.0	62.1	69.5	71.9	70.4	72.4
Pahang	83.9	77.9	77.6	72.5	62.7	72.1	77.7	80.5	79.2	80.2
Pulau Pinang	77.3	76.9	76.7	65.8	50.4	68.4	72.6	71.7	73.7	77.3
Perak	73.0	73.9	74.9	65.3	62.0	67.8	72.7	71.5	71.8	71.4
Perlis	71.2	73.0	72.5	49.6	16.5	49.7	58.1	62.9	65.9	70.0
Selangor	76.2	74.8	74.5	64.4	45.2	59.2	70.2	73.1	72.3	73.7
Terengganu	92.1	88.9	90.8	78.1	49.3	79.7	78.5	80.4	78.9	79.0
Sabah	70.6	73.1	73.3	58.5	40.8	67.2	75.2	74.8	73.9	73.2
Sarawak	81.8	71.0	71.8	68.5	45.6	61.9	69.1	71.9	71.3	71.7
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	60.8	63.6	62.0	57.6	47.0	58.3	63.1	62.0	59.1	58.3
Wilayah Persekutuan Labuan	58.0	59.7	68.4	84.2	35.8	82.2	61.9	45.1	77.5	81.6
Malaysia	78.4	74.6	74.7	64.4	47.7	63.9	70.9	72.2	72.4	74.4

2021												2022			
Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
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	78.8	80.8
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	83.9	84.6
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	76.2	87.9
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	60.8	93.4
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	71.5	87.9
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	81.6	73.2
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	74.5	75.6
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	76.6	80.1
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	71.3	78.0
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	76.1	82.8
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	89.3	73.9
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	71.1	69.8
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	77.5	77.3
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	68.4	77.5
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	43.3	94.2
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	75.7	81.3

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

Negeri State	2022									
	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
Johor	79.3	83.1	80.5	79.3	83.0	82.9	82.9	79.8	81.5	80.6
Kedah	86.7	83.3	87.0	84.7	85.3	85.4	84.4	85.8	87.1	86.7
Kelantan	79.6	83.0	80.0	75.9	80.8	80.7	79.7	78.2	77.7	75.8
Melaka	89.8	77.8	89.0	73.2	49.2	82.7	88.1	92.8	90.0	92.4
Negeri Sembilan	82.9	89.6	85.6	81.1	90.3	84.5	83.6	85.3	85.4	84.1
Pahang	81.4	80.1	79.7	79.0	80.4	78.8	78.1	73.3	72.9	76.3
Pulau Pinang	76.0	81.3	76.7	74.0	78.0	78.6	76.7	78.8	74.8	74.6
Perak	74.7	81.0	75.8	74.0	76.0	73.7	74.0	74.7	77.0	76.8
Perlis	76.6	78.0	78.2	76.1	78.1	70.8	74.1	75.3	74.5	75.4
Selangor	77.4	82.3	78.7	80.0	83.3	82.3	83.6	83.3	79.3	79.9
Terengganu	70.5	74.1	89.2	76.4	79.4	79.4	84.7	82.8	87.2	78.5
Sabah	68.8	78.6	74.2	71.6	78.5	71.5	72.0	72.6	69.1	67.5
Sarawak	90.5	80.1	76.2	71.9	78.9	77.6	72.3	75.8	73.7	79.8
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	75.2	77.9	76.2	76.2	73.0	72.4	76.2	78.1	76.4	73.0
Wilayah Persekutuan Labuan	92.2	94.6	71.8	57.5	45.3	57.8	94.5	76.1	95.6	96.4
Malaysia	80.2	81.7	80.4	77.4	79.1	80.9	81.2	81.7	80.1	80.4

2023												2024			
Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac
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	81.3	79.6	81.8
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	79.1	76.5	80.4
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	70.2	68.1	70.9
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	84.8	77.8	77.5
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	84.6	83.0	87.5
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	77.3	79.7	85.7
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	77.2	76.7	81.2
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	75.6	82.5
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	74.7	64.4	74.2
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	83.6	82.9	82.6
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	77.9	81.0	86.7
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	75.4	73.5	71.2
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	81.7	80.0	80.2
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	78.7	76.6	80.8
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	94.1	97.7	96.9
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	80.9	79.8	81.7

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

Negeri State	2024									
	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
Johor	81.4	84.0	84.5	83.8	84.8	84.6	85.6	85.4	83.6	
Kedah	78.3	80.2	83.2	77.9	77.5	77.9	77.8	76.2	77.8	
Kelantan	72.6	74.3	73.8	73.8	75.0	72.2	72.4	69.5	71.5	
Melaka	78.6	86.1	85.9	85.5	85.7	84.4	87.1	83.4	81.5	
Negeri Sembilan	83.2	85.6	84.5	85.4	87.5	84.1	85.4	84.4	79.8	
Pahang	82.9	85.5	85.6	84.5	85.3	86.2	84.3	84.8	84.6	
Pulau Pinang	76.2	81.6	82.5	80.6	81.1	81.7	78.9	81.1	79.9	
Perak	78.5	79.9	79.3	81.4	78.7	81.9	81.4	82.5	79.7	
Perlis	66.2	66.6	74.7	73.0	66.1	63.4	67.7	68.6	65.9	
Selangor	84.0	85.1	84.9	84.4	86.3	85.3	83.9	84.5	83.9	
Terengganu	81.5	83.6	89.2	85.3	88.5	83.4	83.4	82.6	82.5	
Sabah	71.8	76.0	76.4	77.3	76.0	77.7	76.6	76.3	75.6	
Sarawak	77.1	78.1	78.5	76.7	75.3	74.7	76.0	77.5	78.8	
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	79.5	79.1	77.5	80.3	78.4	77.6	78.3	80.6	76.7	
Wilayah Persekutuan Labuan	95.4	92.1	95.5	94.4	98.1	97.5	99.5	94.8	99.3	
Malaysia	80.3	82.7	83.2	82.2	82.8	82.3	81.9	82.2	81.4	

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.	Okt.
Kurang menguntungkan untuk beroperasi pada keupayaan pengeluaran <i>Not most profitable to operate at full production capability</i>	4.2	4.2	4.4	4.9	4.9	5.1	5.5	5.4	5.6	6.0
Bekalan bahan tidak mencukupi <i>Insufficient supply of materials</i>	12.3	11.6	12.0	12.2	12.6	12.2	12.1	12.3	12.4	12.2
Pembaikan & penyelenggaraan mesin dan kelengkapan <i>Repair & maintenance of machinery and equipment</i>	9.0	8.6	9.5	9.2	9.2	9.4	9.4	9.8	9.7	9.1
Inventori yang mencukupi <i>Sufficient inventory</i>	5.0	4.9	5.2	5.3	5.5	5.6	5.4	5.8	5.7	5.9
Permintaan kurang <i>Low demand</i>	35.4	34.2	33.9	33.3	32.7	33.3	34.2	33.2	34.8	35.2
Kekurangan tenaga buruh <i>Insufficient supply of labour force</i>	10.5	10.7	12.0	12.2	12.1	12.1	11.3	11.2	10.3	10.1
Bahan bakar atau tenaga elektrik yang tidak mencukupi <i>Lack of sufficient fuel or electric energy</i>	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4
Limitasi atau kerosakan mesin dan kelengkapan <i>Machinery and equipment limitations or failures</i>	3.9	3.8	3.9	4.3	3.9	4.1	3.9	4.1	4.1	4.0
Pekerja kurang kompeten <i>Incompetent workers</i>	2.5	2.7	2.6	2.5	2.7	2.7	2.7	2.9	2.4	2.2
Limitasi ruang penyimpanan <i>Storage limitations</i>	4.1	3.6	4.6	4.0	3.9	4.2	4.4	4.2	4.0	3.9
Kekangan logistik/ pengangkutan <i>Logistics/ transportation constraints</i>	2.4	2.1	2.0	2.1	2.3	1.9	1.8	1.9	1.5	1.4
Penutupan kilang sementara <i>Temporary plant shutdown</i>	1.2	1.7	0.9	0.8	0.9	0.8	0.6	0.6	0.6	0.6
Kekangan kewangan <i>Financial constraints</i>	1.5	1.3	1.3	1.4	1.1	1.2	1.2	1.1	1.3	1.7
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	0.1
Operasi bermusim <i>Seasonal operations</i>	3.1	3.5	3.2	3.7	3.2	3.0	3.0	3.0	3.1	3.2
Sekatan berkaitan alam sekitar <i>Environmental restrictions</i>	0.3	0.5	0.2	0.4	0.2	0.2	0.3	0.2	0.1	0.2
Isu kualiti produk atau perkhidmatan <i>Quality issues of products or services</i>	1.0	0.9	0.9	0.9	0.9	1.2	1.0	1.0	0.9	0.9
Lain-lain <i>Others</i>	3.4	5.3	2.9	2.5	3.5	2.7	2.7	2.8	2.7	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							
	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
Kurang menguntungkan untuk beroperasi pada keupayaan pengeluaran <i>Not most profitable to operate at full production capability</i>	6.3	6.0	5.5	5.0	5.6	5.4	5.4	5.2	5.3	5.4
Bekalan bahan tidak mencukupi <i>Insufficient supply of materials</i>	11.8	12.0	11.0	10.8	10.9	11.1	10.9	10.6	11.1	11.2
Pembaikan & penyelenggaraan mesin dan kelengkapan <i>Repair & maintenance of machinery and equipment</i>	9.1	9.6	9.0	9.4	9.2	8.7	8.6	9.1	9.1	8.7
Inventori yang mencukupi <i>Sufficient inventory</i>	6.1	6.5	5.2	5.9	6.2	5.5	5.9	6.5	6.1	6.2
Permintaan kurang <i>Low demand</i>	35.2	34.0	36.6	36.5	37.3	39.4	40.3	39.3	40.8	40.0
Kekurangan tenaga buruh <i>Insufficient supply of labour force</i>	10.0	9.8	9.0	8.5	8.0	7.9	7.4	7.6	7.2	7.4
Bahan bakar atau tenaga elektrik yang tidak mencukupi <i>Lack of sufficient fuel or electric energy</i>	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3
Limitasi atau kerosakan mesin dan kelengkapan <i>Machinery and equipment limitations or failures</i>	3.7	4.0	3.5	3.9	3.8	3.6	3.8	3.7	3.6	3.5
Pekerja kurang kompeten <i>Incompetent workers</i>	2.5	2.5	2.6	2.4	2.4	2.2	2.2	2.2	2.1	2.0
Limitasi ruang penyimpanan <i>Storage limitations</i>	4.1	4.2	3.9	4.4	4.6	3.6	4.0	4.2	4.3	4.2
Kekangan logistik/ pengangkutan <i>Logistics/ transportation constraints</i>	1.6	1.5	1.6	1.4	1.2	1.3	1.3	1.4	1.2	1.5
Penutupan kilang sementara <i>Temporary plant shutdown</i>	0.8	0.7	1.2	0.9	0.9	1.1	0.6	0.9	0.7	0.7
Kekangan kewangan <i>Financial constraints</i>	1.5	1.5	1.6	1.8	1.6	1.5	1.5	1.5	1.7	1.6
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	0.1
Operasi bermusim <i>Seasonal operations</i>	3.1	3.2	3.9	3.6	3.2	3.2	3.2	3.4	3.0	3.1
Sekatan berkaitan alam sekitar <i>Environmental restrictions</i>	0.3	0.2	0.2	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>	1.0	1.0	1.3	1.5	1.2	1.1	1.0	0.9	0.9	1.5
Lain-lain <i>Others</i>	2.6	2.8	3.4	3.2	3.2	3.6	3.1	2.7	2.2	2.3

2024															
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
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	4.9	4.8	5.0
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	10.4	10.1	10.2
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	8.0	8.0	8.0
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	5.8	5.9	6.4
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	44.0	44.0	44.1
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	6.7	6.2	6.2
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	0.4	0.5	0.4
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	3.6	3.5	3.6
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	2.1	2.1	2.0
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	3.9	3.6	3.9
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	1.4	1.5	1.3
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	0.6	0.7	0.7
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	1.7	1.7	1.4
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	0.1
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	2.8	3.3	3.4
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	0.3	0.3	0.3
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	1.3	1.4	1.1
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	2.1	2.3	2.0

6 Kapasiti Penggunaan mengikut Negara Terpilih

Capacity Utilisation by Selected Country

Negara Country	2018	2019	2020	2021	2022	2023	2024
Canada	80.8	78.7	72.5	76.3	77.2	77.6	n.a
China	76.5	76.6	74.1	77.5	75.6	75.1	75.0
Germany	87.6	84.5	77.4	84.9	85.2	83.4	78.8
Indonesia	74.4	75.4	67.3	69.8	72.4	73.2	73.1
Philippines	74.5	71.3	56.8	65.8	71.1	73.6	75.3
South Korea	73.8	73.2	71.3	74.8	74.8	71.9	73.1
Thailand	68.6	65.3	60.1	63.3	62.8	59.6	58.5
United States	78.3	77.0	72.5	77.2	79.2	77.8	76.8

Nota / Note :

n.a - **Canada ST4 2024 akan diterbitkan pada Mac 2025** / *Canada Q4 2024 will be released on March 2025*

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 mengikut Negara Terpilih

Capacity Utilisation by Selected Country

Negara Country	2022				2023				2024			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Canada	77.0	77.9	76.8	77.0	77.9	78.0	77.6	76.9	77.1	77.6	78.2	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	76.2
Germany	86.0	84.9	85.1	84.9	84.4	84.3	82.9	81.9	81.3	80.3	77.4	76.3
Indonesia	72.0	72.6	73.1	71.9	72.3	73.6	74.4	72.8	72.9	73.7	73.1	72.9
Philippines	70.0	70.5	71.5	72.2	73.0	73.1	74.0	74.5	74.7	75.5	75.5	75.7
South Korea	78.9	76.0	74.3	69.9	70.6	72.0	72.3	72.5	72.6	73.5	72.9	72.3
Thailand	66.8	61.2	62.8	60.3	64.2	58.6	58.4	57.4	60.5	57.8	58.3	57.3
United States	79.2	79.6	79.4	78.5	78.2	78.0	77.7	77.3	77.1	77.1	76.7	76.2

Nota / Note :

n.a - Canada ST4 2024 akan diterbitkan pada Mac 2025 / Canada Q4 2024 will be released on March 2025

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	2024
	68.25	C	PEMBUATAN MANUFACTURING	110.7	115.6	120.1	116.9	128.1	138.5	139.5	145.7
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	141.8
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	142.3
1.2	0.65	11	Pembuatan minuman Manufacture of beverages	119.9	123.6	127.2	108.7	119.4	135.3	137.7	147.3
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	127.9
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	129.6
2.1	0.58	13	Pembuatan tekstil Manufacture of textiles	109.4	112.3	117.5	102.0	115.6	120.5	114.9	118.0
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	132.0
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	165.4
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	136.1
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	120.1
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	154.1
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	143.2
3.4	1.04	31	Pembuatan perabot Manufacture of furniture	116.7	121.4	132.0	122.8	118.3	129.5	123.5	131.7
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	134.2
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	119.6
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	132.5
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	178.1
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	163.4
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	131.4
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	127.2
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	131.3
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	134.7
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	173.7
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	181.8
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	147.8
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	148.0
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	137.6
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	148.4
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	110.8
7.3	0.74	32	Pembuatan lain Other manufacturing	102.3	107.2	113.3	104.7	107.5	118.2	121.3	125.2
7.4	0.76	33	Mbaiki 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	146.3

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
1	68.25	C	PEMBUATAN MANUFACTURING	105.8	109.4	113.2	114.4	111.4	114.5	118.6	119.5
	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	10Pembuatan 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	11Pembuatan minuman Manufacture of beverages	110.1	120.8	121.3	127.6	112.8	127.0	125.9	129.0
	1.3	0.52	12Pembuatan 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	13Pembuatan tekstil Manufacture of textiles	104.4	110.6	110.8	111.7	109.5	113.4	113.1	114.1
	2.2	0.60	14Pembuatan 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	15Pembuatan 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	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	105.5	107.3	103.3	111.2	111.8	111.4	110.6	117.7
	3.2	1.15	17Pembuatan 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	18Percetakan 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	31Pembuatan 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	19Pembuatan 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	20Pembuatan 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	21Pembuatan 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	22Pembuatan 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	23Pembuatan 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	24Pembuatan 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	25Pembuatan 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	26Pembuatan 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	27Pembuatan 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	28Pembuatan 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	29Pembuatan 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	30Pembuatan 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	32Pembuatan lain Other manufacturing	104.8	97.0	107.0	100.3	107.9	102.0	114.1	106.4
	7.4	0.76	33Membaiki 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				2022			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
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	142.5	143.5
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	135.4	132.1
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	139.7	133.2
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	137.6	140.7
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	71.4	105.4
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	118.1	137.3
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	118.6	124.4
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	111.6	148.4
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	142.3	142.0
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	124.3	132.8
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	116.0	120.8
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	149.4	151.5
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	118.7	138.2
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	113.0	123.7
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	136.9	131.5
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	128.4	122.3
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	124.6	127.2
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	185.6	174.3
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	167.8	152.9
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	110.9	126.5
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	104.6	127.1
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	120.7	127.8
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	109.7	125.2
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	179.8	178.0
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	187.5	188.7
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	151.4	147.6
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	158.9	140.0
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	125.5	131.0
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	134.9	137.1
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	106.4	112.7
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	111.7	126.0
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	129.4	139.4

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	2023				2024			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	68.25	C	PEMBUATAN MANUFACTURING	137.7	134.9	142.3	143.2	140.6	141.5	150.5	149.7
	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	126.0	129.4	141.2	141.4	126.5	136.6	153.0	151.0
	1.1	7.39	10 Pembuatan produk makanan Manufacture of food products	124.8	128.7	145.6	142.9	123.9	135.4	157.5	152.4
	1.2	0.65	11 Pembuatan minuman Manufacture of beverages	123.2	140.4	138.8	148.3	130.3	148.8	148.6	161.4
	1.3	0.52	12 Pembuatan produk tembakau Manufacture of tobacco products	147.4	125.2	81.3	111.5	158.8	139.3	94.5	119.2
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	135.7	114.3	118.5	137.2	137.8	118.7	124.1	138.0
	2.1	0.58	13 Pembuatan tekstil Manufacture of textiles	125.0	105.7	111.3	117.5	125.8	112.5	115.1	118.5
	2.2	0.60	14 Pembuatan pakaian Manufacture of wearing apparel	141.4	109.9	117.8	151.8	142.8	111.9	123.7	149.7
	2.3	0.15	15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	153.9	165.9	149.6	154.1	163.8	170.1	161.3	166.4
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	131.2	123.3	125.4	138.0	136.8	130.0	133.5	143.9
	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	119.0	111.9	112.8	119.5	118.5	116.2	120.4	125.1
	3.2	1.15	17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	147.3	136.9	153.6	161.0	152.9	140.7	159.7	163.3
	3.3	0.93	18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	126.2	127.6	129.4	145.7	132.7	138.7	143.8	157.8
	3.4	1.04	31 Pembuatan perabot Manufacture of furniture	134.5	120.3	107.9	131.4	148.0	129.5	113.5	135.9
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	132.9	124.3	132.9	130.3	134.8	129.7	139.0	134.7
	4.1	9.36	19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	128.0	108.7	117.5	118.1	128.5	113.2	120.4	119.2
	4.2	6.37	20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	129.2	125.9	133.3	130.4	128.7	130.0	138.7	132.6
	4.3	0.38	21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	165.3	163.1	176.1	169.2	174.2	174.4	186.9	176.8
	4.4	4.49	22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	145.9	151.4	160.9	152.3	153.1	160.0	174.2	166.1
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	126.8	111.8	117.0	134.3	135.7	122.2	127.5	140.0
	5.1	2.97	23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	128.8	101.5	109.8	135.0	137.0	111.8	119.9	140.2
	5.2	2.35	24 Pembuatan logam asas Manufacture of basic metals	126.0	120.9	124.1	131.1	128.6	129.1	133.5	133.9
	5.3	3.79	25 Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	125.8	114.1	118.3	135.8	139.0	126.2	129.8	143.7
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	155.0	165.3	175.5	167.7	156.4	170.8	185.5	179.5
	6.1	13.89	26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	160.2	168.4	182.9	176.0	161.7	175.3	194.9	189.4
	6.2	2.20	27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	141.8	153.1	151.8	142.2	140.0	149.9	154.3	146.9
	6.3	2.14	28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	135.1	157.6	151.7	140.2	138.8	163.4	156.4	148.7
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	140.2	135.2	131.5	134.4	143.6	142.9	133.3	130.4
	7.1	3.17	29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	156.0	153.2	143.0	140.4	158.2	162.6	142.2	130.4
	7.2	1.19	30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	110.1	97.3	109.1	113.9	114.5	101.9	112.0	114.8
	7.3	0.74	32 Pembuatan lain Other manufacturing	122.6	119.1	112.5	131.2	125.5	124.4	117.1	133.8
	7.4	0.76	33 Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	138.4	135.1	136.7	144.4	145.5	143.1	145.5	151.2

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	2017								
				Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
1	68.25	C	PEMBUATAN MANUFACTURING	108.3	99.7	109.5	105.9	110.6	111.8	113.1	113.0	113.7
	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 Membaiki 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	Jul.
1	68.25	C	PEMBUATAN MANUFACTURING	115.5	113.9	113.7	115.7	104.4	114.0	111.6	115.1	116.9	119.0
	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	120.7
	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	121.2
	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	125.2
	1.3	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	107.3
2	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	113.5
	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	111.5
	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	114.9
	2.3	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	115.2
3	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	115.0
	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	108.7
	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	112.5
	3.3	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	119.8
	3.4	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	122.1
4	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	112.7
	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	106.4
	4.2	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	118.6
	4.3	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	117.3
	4.4	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	116.9
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	111.8	110.5	110.0	115.0	101.9	113.3	113.1	114.7	117.5	120.5
	5.1	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	118.0
	5.2	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	122.2
	5.3	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	121.4
6	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	128.9
	6.1	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	131.4
	6.2	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	117.7
	6.3	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	124.8
7	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	109.9
	7.1	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	107.6
	7.2	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	90.3
	7.3	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	109.8
	7.4	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	149.8

2019															
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
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	121.3
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	122.4
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	122.6
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	134.0
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	106.2
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	141.2
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	128.6
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	156.7
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	127.2
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	124.7
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	121.6
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	124.9
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	120.3
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	132.7
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	117.3
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	117.8
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	113.7
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	119.4
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	121.1
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	119.3
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	123.4
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	117.1
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	117.4
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	125.7
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	130.0
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	110.6
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	113.8
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	115.4
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	110.3
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	114.2
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	114.9
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	139.2

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	2019	2020								
				Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
1	68.25	C	PEMBUATAN MANUFACTURING	122.7	123.1	115.0	113.8	73.1	92.8	127.1	127.4	124.7	127.3
	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	124.5	113.9	112.0	107.4	108.7	116.4	124.9	129.3	131.5	131.9
	1.1	7.39	10 Pembuatan produk makanan Manufacture of food products	124.3	113.1	111.3	107.5	119.8	126.4	130.1	131.7	133.6	134.0
	1.2	0.65	11 Pembuatan minuman Manufacture of beverages	135.6	123.1	112.6	106.8	66.7	78.9	97.5	110.9	120.1	119.5
	1.3	0.52	12 Pembuatan produk tembakau Manufacture of tobacco products	113.2	115.3	122.2	107.2	2.6	19.8	84.9	117.8	117.1	117.2
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	131.2	127.2	126.4	122.5	32.5	72.9	115.1	104.5	106.8	120.2
	2.1	0.58	13 Pembuatan tekstil Manufacture of textiles	109.2	114.9	120.4	112.6	41.8	72.6	101.1	97.7	102.8	112.9
	2.2	0.60	14 Pembuatan pakaian Manufacture of wearing apparel	153.4	137.3	131.8	128.4	25.0	70.3	131.0	114.5	115.2	132.4
	2.3	0.15	15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	127.1	134.1	127.8	136.5	26.7	84.7	105.1	90.3	88.3	98.7
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	130.3	125.7	125.9	114.1	37.1	73.0	129.9	122.4	117.9	127.4
	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	125.6	121.7	125.1	113.3	24.3	56.8	122.4	102.8	102.3	116.0
	3.2	1.15	17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	128.7	119.7	122.9	111.9	64.9	95.7	128.8	125.8	114.2	129.6
	3.3	0.93	18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	135.8	124.7	117.7	101.7	51.6	80.3	118.1	131.7	123.8	122.3
	3.4	1.04	31 Pembuatan perabot Manufacture of furniture	133.6	139.0	137.3	128.6	11.1	63.7	151.9	137.3	138.4	145.0
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	119.1	120.8	118.8	120.5	86.7	91.2	118.4	118.3	116.2	119.0
	4.1	9.36	19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	116.4	125.1	119.9	117.5	66.3	69.7	100.3	98.4	96.9	98.7
	4.2	6.37	20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	117.0	114.9	116.1	115.5	87.1	91.6	111.7	110.9	110.1	113.1
	4.3	0.38	21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	117.8	105.7	121.3	123.9	131.3	139.3	149.6	151.6	150.7	161.1
	4.4	4.49	22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	127.9	121.3	120.3	133.4	125.1	131.3	162.9	167.5	162.3	166.3
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	119.7	124.6	113.2	105.8	43.9	65.3	105.6	113.4	113.5	114.9
	5.1	2.97	23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	126.3	122.9	114.0	106.3	32.7	58.3	98.6	111.0	113.7	111.8
	5.2	2.35	24 Pembuatan logam asas Manufacture of basic metals	115.1	112.7	116.2	105.8	56.8	72.1	128.3	132.0	123.4	123.2
	5.3	3.79	25 Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	117.5	133.3	110.8	105.4	44.6	66.6	97.0	103.9	107.2	112.3
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	128.5	128.0	110.2	113.6	80.0	111.7	150.5	148.5	138.7	143.5
	6.1	13.89	26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	132.6	130.4	108.5	113.6	75.9	108.4	152.1	151.9	141.8	149.3
	6.2	2.20	27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	117.7	123.2	109.6	110.0	84.6	111.8	141.2	132.6	127.1	135.0
	6.3	2.14	28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	113.4	117.5	121.6	117.4	101.6	132.5	149.7	142.9	130.3	115.2
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	111.5	124.6	112.6	110.5	34.6	68.0	122.1	121.8	127.6	119.9
	7.1	3.17	29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	112.2	129.1	116.3	112.2	35.2	65.5	128.7	129.3	129.0	115.6
	7.2	1.19	30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	109.9	112.1	100.1	103.4	29.1	63.6	103.2	89.6	117.4	112.5
	7.3	0.74	32 Pembuatan lain Other manufacturing	114.3	123.8	114.3	103.0	20.7	56.0	113.0	120.8	124.9	130.8
	7.4	0.76	33 Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	108.7	126.0	115.2	122.1	54.5	96.8	133.0	141.9	140.6	138.7

2021												2022			
Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
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	138.5	136.1
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	126.3	121.6
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	124.9	120.8
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	142.4	129.4
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	126.9	123.7
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	138.5	132.4
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	119.8	124.8
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	157.4	137.3
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	134.3	141.8
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	143.4	139.9
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	137.2	131.6
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	152.4	149.2
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	145.9	127.6
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	139.8	151.9
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	131.0	126.3
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	112.8	111.8
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	131.3	123.4
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	167.7	150.8
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	165.5	158.5
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	124.4	131.1
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	129.5	130.0
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	128.3	125.7
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	118.1	135.2
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	163.5	158.1
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	171.7	165.0
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	143.7	145.1
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	130.5	127.0
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	122.5	129.5
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	129.9	137.6
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	109.2	110.7
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	116.4	123.5
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	118.6	131.6

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	2022										
				Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	
1	68.25	C	PEMBUATAN MANUFACTURING	126.4	137.2	130.4	128.8	145.2	136.9	144.5	146.1	143.4	144.4	
	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	110.5	119.9	127.7	122.7	126.1	128.1	136.8	141.3	133.5	132.2	
	1.1	7.39	10 Pembuatan produk makanan Manufacture of food products	107.8	119.3	126.3	123.4	128.0	132.0	141.5	145.7	136.5	132.4	
	1.2	0.65	11 Pembuatan minuman Manufacture of beverages	121.0	125.0	150.6	129.6	132.7	132.8	137.8	142.1	138.7	140.1	
	1.3	0.52	12 Pembuatan produk tembakau Manufacture of tobacco products	137.1	122.2	118.6	104.0	90.0	67.8	69.5	77.0	85.1	119.9	
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	131.1	140.7	112.5	107.1	110.6	109.1	116.1	129.0	129.1	144.9	
	2.1	0.58	13 Pembuatan tekstil Manufacture of textiles	127.7	135.9	106.3	106.1	116.0	110.9	114.0	130.8	122.0	132.6	
	2.2	0.60	14 Pembuatan pakaian Manufacture of wearing apparel	132.9	143.0	109.4	95.5	96.5	100.4	111.0	123.5	136.4	155.8	
	2.3	0.15	15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	137.1	150.5	149.5	158.2	147.0	137.1	145.4	144.4	126.9	148.2	
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	133.1	136.2	127.7	121.5	124.6	119.3	122.3	131.3	126.5	134.6	
	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	128.2	131.1	117.7	117.9	118.1	112.8	113.1	122.1	121.9	120.7	
	3.2	1.15	17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	138.8	138.1	132.3	122.6	142.6	139.9	145.6	162.6	143.4	155.2	
	3.3	0.93	18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	120.8	116.6	126.4	120.3	112.5	108.9	119.8	127.3	126.4	136.8	
	3.4	1.04	31 Pembuatan perabot Manufacture of furniture	144.6	158.5	137.6	126.4	124.5	114.8	111.5	112.8	114.2	128.9	
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	126.5	137.7	117.8	120.7	141.3	136.6	139.6	134.4	134.2	130.3	
	4.1	9.36	19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	114.1	129.9	92.4	109.1	130.5	129.6	131.2	124.5	127.1	123.2	
	4.2	6.37	20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	125.8	127.9	116.8	112.1	131.6	119.6	128.0	126.2	125.1	124.7	
	4.3	0.38	21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	155.2	162.7	159.9	154.9	173.4	180.8	184.9	191.1	181.9	165.0	
	4.4	4.49	22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	150.6	165.8	168.7	154.3	174.9	171.5	170.0	161.8	157.7	150.2	
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	116.1	120.6	111.2	102.7	104.0	101.7	112.2	118.8	125.7	126.6	
	5.1	2.97	23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	119.9	123.2	110.7	91.6	93.6	94.0	109.3	110.7	123.5	125.4	
	5.2	2.35	24 Pembuatan logam asas Manufacture of basic metals	120.6	125.4	121.4	113.1	111.3	111.6	124.5	126.1	129.1	129.8	
	5.3	3.79	25 Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	110.2	115.6	105.1	104.8	107.7	101.6	107.0	120.7	125.4	125.5	
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	137.1	153.3	155.4	157.1	190.8	171.1	182.0	186.3	179.0	179.8	
	6.1	13.89	26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	138.6	157.4	156.5	160.3	198.4	176.9	189.5	196.1	189.7	191.7	
	6.2	2.20	27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	134.7	147.0	149.8	142.2	164.8	145.6	147.2	161.5	157.2	139.3	
	6.3	2.14	28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	129.9	133.7	153.6	151.2	168.4	159.8	168.9	148.1	132.1	144.2	
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	125.6	135.9	137.4	129.1	132.8	118.9	130.1	127.4	123.4	136.8	
	7.1	3.17	29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	137.1	149.0	159.7	147.1	154.1	131.1	144.1	129.5	123.3	142.8	
	7.2	1.19	30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	103.0	108.4	96.2	89.9	92.3	83.8	112.6	122.8	107.1	119.0	
	7.3	0.74	32 Pembuatan lain Other manufacturing	117.1	119.1	112.9	121.2	111.3	112.0	100.2	122.9	128.5	129.8	
	7.4	0.76	33 Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	121.5	141.2	132.8	123.2	128.3	130.2	128.4	129.7	143.8	146.7	

2023												2024			
Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac
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	143.1	134.1	144.6
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	132.8	119.4	127.3
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	131.0	116.5	124.3
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	136.4	122.6	131.9
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	154.0	157.5	164.8
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	132.8	130.4	150.1
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	119.6	123.6	134.3
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	137.3	130.8	160.2
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	165.6	155.6	170.2
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	139.3	135.2	136.0
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	113.4	119.5	122.6
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	163.0	151.9	143.9
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	139.8	131.2	127.2
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	148.4	141.8	153.7
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	132.1	130.4	141.7
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	120.4	124.2	140.8
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	132.1	125.6	128.4
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	161.7	180.1	180.9
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	154.0	146.1	159.3
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	140.6	130.3	136.2
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	140.2	132.5	138.5
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	122.9	128.5	134.4
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	151.9	129.7	135.4
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	160.2	145.0	164.1
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	167.0	148.0	170.3
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	143.1	134.0	142.9
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	133.9	137.0	145.7
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	152.3	140.2	138.2
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	173.0	154.5	147.2
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	116.9	113.2	113.5
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	127.1	124.6	124.7
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	146.2	137.9	152.6

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								
				Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
1	68.25	C	PEMBUATAN MANUFACTURING	132.7	141.6	150.2	147.2	153.0	151.3	149.5	151.0	148.7
	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	127.5	143.4	139.0	147.3	157.7	154.1	153.2	151.4	148.6
	1.1	7.39	10 Pembuatan produk makanan Manufacture of food products	124.8	142.1	139.2	151.0	163.2	158.3	156.8	152.0	148.2
	1.2	0.65	11 Pembuatan minuman Manufacture of beverages	150.3	150.7	145.6	144.4	148.4	153.1	152.6	160.5	171.0
	1.3	0.52	12 Pembuatan produk tembakau Manufacture of tobacco products	137.8	151.9	128.2	98.0	89.8	95.6	101.5	130.9	125.3
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	120.1	118.5	117.4	119.4	122.6	130.4	132.9	144.8	136.3
	2.1	0.58	13 Pembuatan tekstil Manufacture of textiles	107.9	113.4	116.3	111.7	114.4	119.0	114.5	127.0	113.9
	2.2	0.60	14 Pembuatan pakaian Manufacture of wearing apparel	120.3	107.5	107.9	117.6	120.7	132.7	147.2	155.1	146.7
	2.3	0.15	15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	167.1	183.4	159.9	156.3	162.6	165.0	146.6	171.9	180.8
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	128.7	130.2	131.1	129.8	132.9	137.7	137.1	145.7	148.8
	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	111.0	118.3	119.4	119.6	117.1	124.6	128.5	123.6	123.2
	3.2	1.15	17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	138.7	132.7	150.7	153.5	158.1	167.3	148.7	172.6	168.6
	3.3	0.93	18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	141.4	141.4	133.2	134.5	145.9	150.9	149.3	154.3	169.7
	3.4	1.04	31 Pembuatan perabot Manufacture of furniture	130.6	134.1	123.8	113.6	115.5	111.4	125.3	138.9	143.6
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	120.7	124.3	144.3	143.2	140.4	133.5	136.8	134.8	132.3
	4.1	9.36	19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	99.3	109.4	131.0	130.1	119.5	111.6	120.8	122.3	114.6
	4.2	6.37	20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	124.1	122.0	143.8	136.5	142.3	137.3	133.4	129.9	134.6
	4.3	0.38	21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	176.3	167.1	179.8	186.8	186.1	188.0	182.3	162.8	185.5
	4.4	4.49	22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	155.6	154.9	169.6	176.5	177.2	168.9	171.3	165.5	161.5
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	127.1	118.9	120.7	117.3	127.4	137.9	139.5	140.4	140.2
	5.1	2.97	23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	125.4	104.3	105.5	108.6	123.5	127.5	138.5	138.0	144.1
	5.2	2.35	24 Pembuatan logam asas Manufacture of basic metals	133.8	127.7	125.7	126.2	133.7	140.7	136.0	138.5	127.3
	5.3	3.79	25 Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	124.3	124.9	129.4	118.5	126.5	144.5	142.6	143.4	145.0
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	150.6	171.0	190.9	176.7	188.3	191.4	177.2	182.5	178.8
	6.1	13.89	26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	151.5	174.7	199.7	182.8	198.2	203.8	186.7	192.9	188.6
	6.2	2.20	27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	139.7	154.5	155.6	151.2	149.6	162.0	159.9	139.4	141.5
	6.3	2.14	28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	155.8	164.5	169.8	163.6	164.1	141.5	133.3	159.6	153.3
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	141.9	157.5	129.3	135.5	143.2	121.3	131.1	131.2	128.9
	7.1	3.17	29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	162.2	188.4	137.3	152.4	161.1	113.2	131.8	127.8	131.8
	7.2	1.19	30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	100.3	102.7	102.6	91.2	117.6	127.3	109.8	122.3	112.3
	7.3	0.74	32 Pembuatan lain Other manufacturing	119.4	134.9	118.9	121.1	104.1	126.2	134.2	135.8	131.5
	7.4	0.76	33 Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	144.8	136.9	147.7	148.3	147.2	140.9	158.5	154.6	140.6

Nota Teknikal

Technical Notes

Objektif
Objective

Skop dan Liputan
Scope and Coverage

Sumber Statistik
Statistical Frame

Jenis Aktiviti Perniagaan
Type of Business

Konsep dan Definisi
Concept and Definition

Reka Bentuk Pensampelan
Sampling Design

Saiz Sampel
Sample Size

Prosedur Pengiraan
Computational Procedure

Unit Pelapor
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Keperluan Kerahsiaan
Confidentiality Required

Pindaan
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Simbol dan Singkatan
Symbols and Abbreviations

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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:

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

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		