



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA



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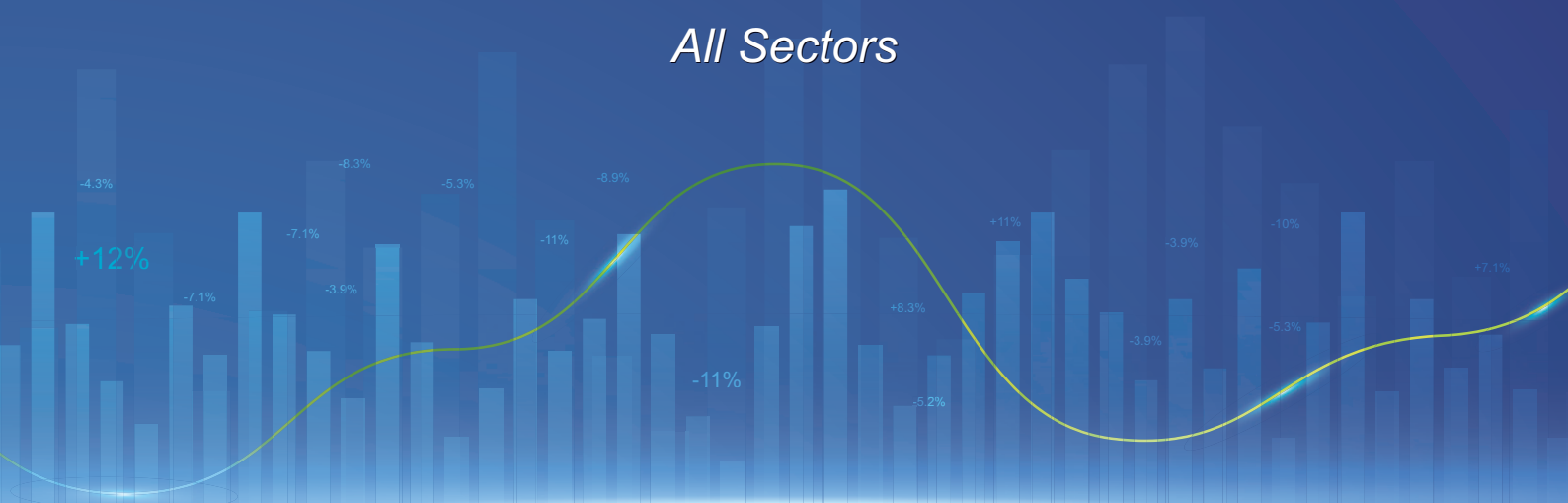
STATISTIK EKONOMI TAHUNAN

Annual Economic Statistics

2022

KESELURUHAN SEKTOR

All Sectors



JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

STATISTIK EKONOMI TAHUNAN KESELURUHAN SEKTOR *ANNUAL ECONOMIC STATISTICS ALL SECTORS*

2022

Pemakluman

Jabatan Perangkaan Malaysia (DOSM) akan menjalankan Banci Ekonomi pada tahun 2023. DOSM amat menghargai kerjasama daripada responden untuk memberikan maklumat kepada DOSM serta menjayakan banci ini. Sila layari www.dosm.gov.my untuk maklumat lanjut.

DOSM telah melancarkan OpenDOSM NextGen sebagai platform yang menyediakan katalog data dan visualisasi bagi memudahkan pengguna menganalisis pelbagai jenis data. OpenDOSM NextGen ialah medium perkongsian data sumber terbuka dan boleh diakses melalui portal <https://open.dosm.gov.my>.

Dimaklumkan bahawa Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober setiap tahun. Tema sambutan MyStats Day adalah “Connecting the World with Data We Can Trust”.

Announcement

The Department of Statistics Malaysia (DOSM) will conduct the Economic Census in 2023. DOSM greatly appreciates the cooperation from respondents to provide information with DOSM and make this census a success. Please visit www.dosm.gov.my for more information.

DOSM has launched OpenDOSM NextGen as a platform that provides a catalogue of data and visualisation that facilitates users in analysing various types of data. OpenDOSM NextGen is an open source data sharing medium and accessible through <https://open.dosm.gov.my> portal.

Please be informed that the Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20 each year. MyStats Day theme is “Connecting the World with Data We Can Trust”.

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KATA PENGANTAR

Penerbitan Statistik Ekonomi Tahunan (AES) memaparkan statistik utama bagi tahun rujukan 2021 untuk sektor Pertanian, Perlombongan & pengkuarian, Pembuatan, Pembinaan dan Perkhidmatan. Klasifikasi industri yang digunakan adalah merujuk Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Versi 1.0, selaras dengan *International Standard Industrial Classification of All Economic Activities* (ISIC), Rev. 4.

Data utama berkaitan nilai output kasar, nilai input perantara, nilai ditambah, bilangan pekerja, gaji & upah yang dibayar dan nilai harta tetap diterbitkan dalam laporan ini. Data tersebut boleh digunakan oleh agensi 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 dibahagikan kepada tiga bahagian. Bahagian pertama membentangkan infografik Statistik Ekonomi Tahunan 2021. Ringkasan hasil penemuan prestasi mengikut sektor dipaparkan di bahagian kedua. Manakala, bahagian ketiga menerangkan aspek teknikal seperti skop & liputan, konsep & definisi serta pemboleh ubah utama yang digunakan bagi memudahkan pengguna memahami statistik yang diterbitkan.

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

DATO' SRI DR. MOHD UZIR MAHIDIN

Ketua Perangkawan Malaysia

Februari 2023

PREFACE

The Annual Economic Statistics (AES) publication presents main statistics for the reference year of 2021 by economic activities comprises of Agriculture, Mining & quarrying, Manufacturing, Construction and Services sectors. The classified industries refer to Malaysia Standard Industrial Classification (MSIC) 2008 Ver. 1.0, in accordance with the International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4.

Key data related to value of gross output, value of intermediate input, value added, number of persons engaged, salaries & wages paid and value of fixed assets are published in this report. This data 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 parts. The first part displays the infographic on Annual Economic Statistics 2021. The summary of findings on performance by sectors are provided in the second part. While the third part describes technical aspects such as scope & coverage, concepts & definitions as well as the key variables used to assist users to understand the published statistics.

The Department gratefully acknowledges the cooperation of all parties who have provided the required data and contributed to the success of this publication. Any feedback and suggestion towards improving this publication in future is highly appreciated.

DATO' SRI DR. MOHD UZIR MAHIDIN

Chief Statistician Malaysia

February 2023

KANDUNGAN

CONTENTS

Kata Pengantar <i>Preface</i>	i <i>ii</i>
Senarai Jadual <i>List of Tables</i>	iv
Infografik <i>Infographic</i>	v <i>vi</i>
Ringkasan Penemuan <i>Summary of Findings</i>	7 <i>17</i>
Jadual Statistik <i>Statistical Tables</i>	60
Nota Teknikal <i>Technical Notes</i>	70 <i>80</i>

SENARAI JADUAL

List of Tables

1	Statistik Utama Keseluruhan Sektor Ekonomi, 2017-2021 <i>Principal Statistics of All Economic Sectors, 2017-2021</i>	29
2	Statistik Utama mengikut Sektor, 2017-2021 <i>Principal Statistics by Sector, 2017-2021</i>	30
2.1	Statistik Utama Sektor Pertanian mengikut Subsektor, 2017-2021 <i>Principal Statistics of Agriculture Sector by Sub-sector, 2017-2021</i>	32
2.2	Statistik Utama Sektor Perlombongan & pengkuarian mengikut Subsektor, 2017-2021 <i>Principal Statistics of Mining & quarrying Sector by Sub-sector, 2017-2021</i>	34
2.3	Statistik Utama Sektor Pembuatan mengikut Subsektor, 2017-2021 <i>Principal Statistics of Manufacturing Sector by Sub-sector, 2017-2021</i>	35
2.4	Statistik Utama Sektor Pembinaan mengikut Subsektor, 2017-2021 <i>Principal Statistics of Construction Sector by Sub-sector, 2017-2021</i>	38
2.5	Statistik Utama Sektor Perkhidmatan mengikut Subsektor, 2017-2021 <i>Principal Statistics of Services Sector by Sub-sector, 2017-2021</i>	40
3	Statistik Utama Keseluruhan Sektor Ekonomi mengikut Negeri, 2021 <i>Principal Statistics of All Economic Sectors by State, 2021</i>	46
4	Statistik Utama Sektor Ekonomi mengikut Negeri, 2021 <i>Principal Statistics of Economic Sectors by State, 2021</i>	51



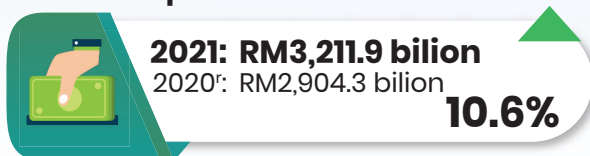
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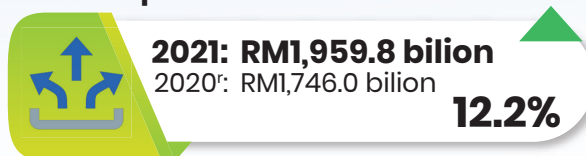
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STATISTIK EKONOMI TAHUNAN, 2021

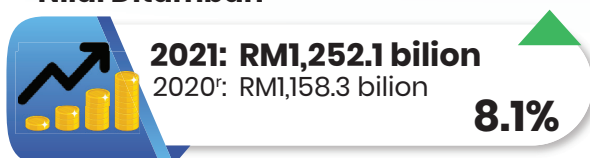
Nilai Output Kasar



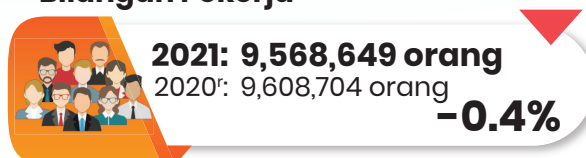
Nilai Input Perantara



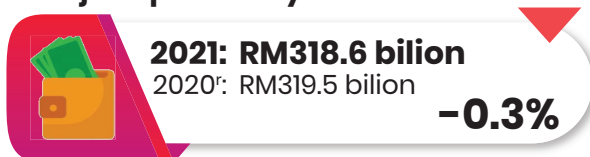
Nilai Ditambah



Bilangan Pekerja



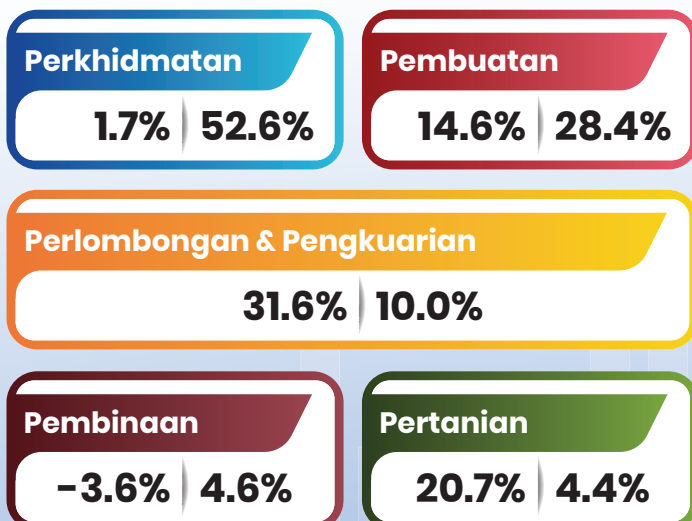
Gaji & Upah Dibayar



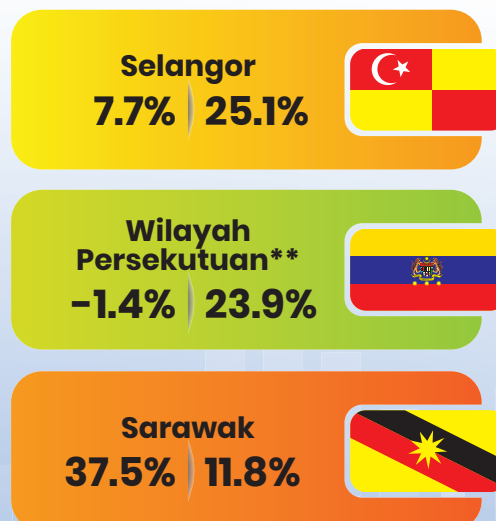
Nilai Harta Tetap



Nilai Ditambah Mengikut Sektor, 2021



Nilai Ditambah Mengikut 3 Negeri Tertinggi, 2021



Nota: Kadar Pertumbuhan | Sumbangan

^r Merujuk kepada data semakan semula

** Termasuk Wilayah Persekutuan Kuala Lumpur, Labuan dan Putrajaya

Sumber: Statistik Ekonomi Tahunan, Keseluruhan Sektor, 2022, Jabatan Perangkaan Malaysia (DOSM)

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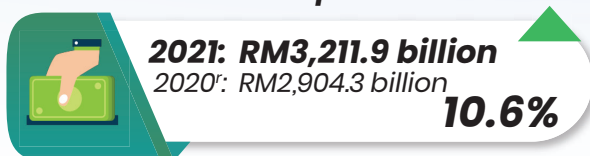
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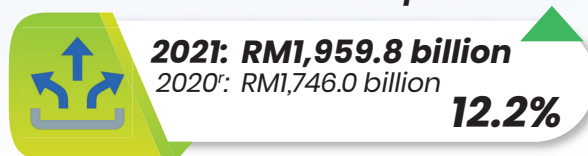
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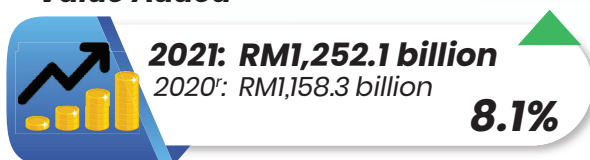
Value of Gross Output



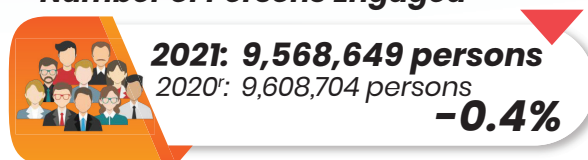
Value of Intermediate Input



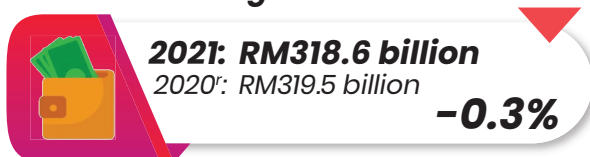
Value Added



Number of Persons Engaged



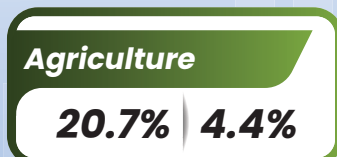
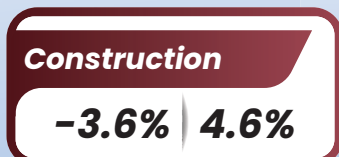
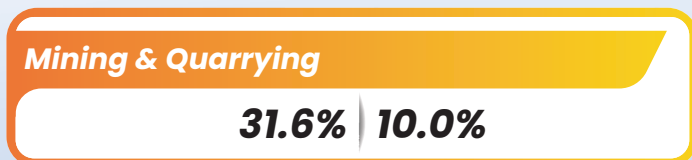
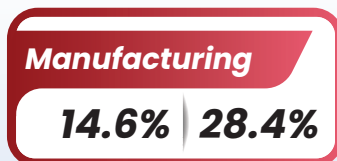
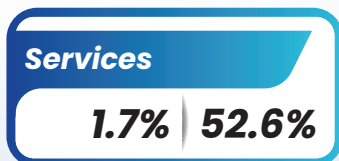
Salaries & Wages Paid



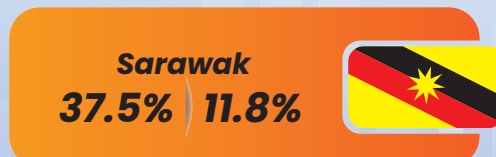
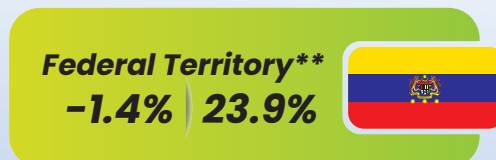
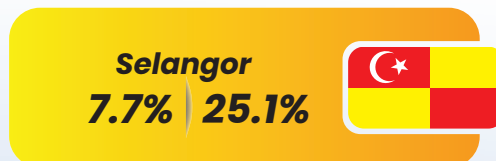
Value of Fixed Assets



Value Added by Sector, 2021



Value Added by Top 3 States, 2021



Note: Growth Rate | Share
^r Refers to revised data

** Includes Federal Territory of Kuala Lumpur, Labuan and Putrajaya

Source: Annual Economic Statistics, All Sectors, 2022, Department of Statistics Malaysia (DOSM)

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BAHAGIAN 1
PART 1

Ringkasan Penemuan *Summary of Findings*



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RINGKASAN PENEMUAN

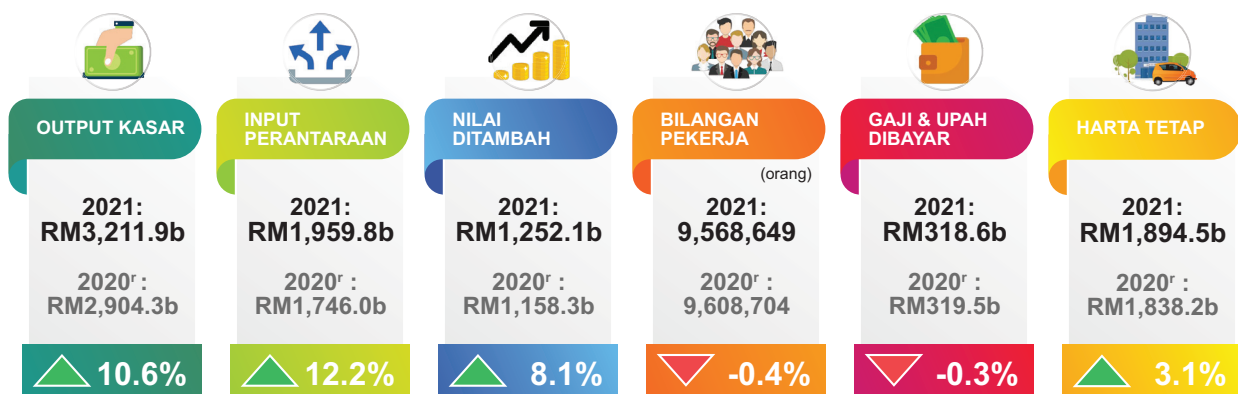
1. PENGENALAN

Penerbitan Statistik Ekonomi Tahunan 2022 memaparkan prestasi keseluruhan sektor ekonomi hasil dapatan daripada Survei Ekonomi Tahunan bagi tahun rujukan 2021. Ia merangkumi sektor Pertanian, Perlombongan & pengkuarian, Pembuatan, Pembinaan dan Perkhidmatan.

2. PRESTASI KESELURUHAN

Nilai output kasar bagi keseluruhan sektor pada 2021 merekodkan RM3,211.9 bilion berbanding RM2,904.3 bilion pada 2020, dengan kadar pertumbuhan tahunan 10.6 peratus seperti yang ditunjukkan pada **Paparan 1**. Input perantaraan berkembang 12.2 peratus kepada RM1,959.8 bilion pada 2021 (2020: RM1,746.0 bilion). Seterusnya, nilai ditambah mencatatkan jumlah sebanyak RM1,252.1 bilion berbanding RM1,158.3 bilion tahun sebelumnya. Manakala, bilangan pekerja pada 2021 adalah seramai 9,568,649 orang, pengurangan sebanyak 40,055 orang (-0.4%) berbanding 9,608,704 orang pada tahun sebelumnya. Gaji dan upah yang dibayar pada 2021 berjumlah RM318.6 bilion berbanding RM319.5 bilion pada 2020 dengan kadar pertumbuhan tahunan menurun sebanyak 0.3 peratus.

Paparan 1: Statistik Utama Keseluruhan Sektor Ekonomi, 2020 dan 2021

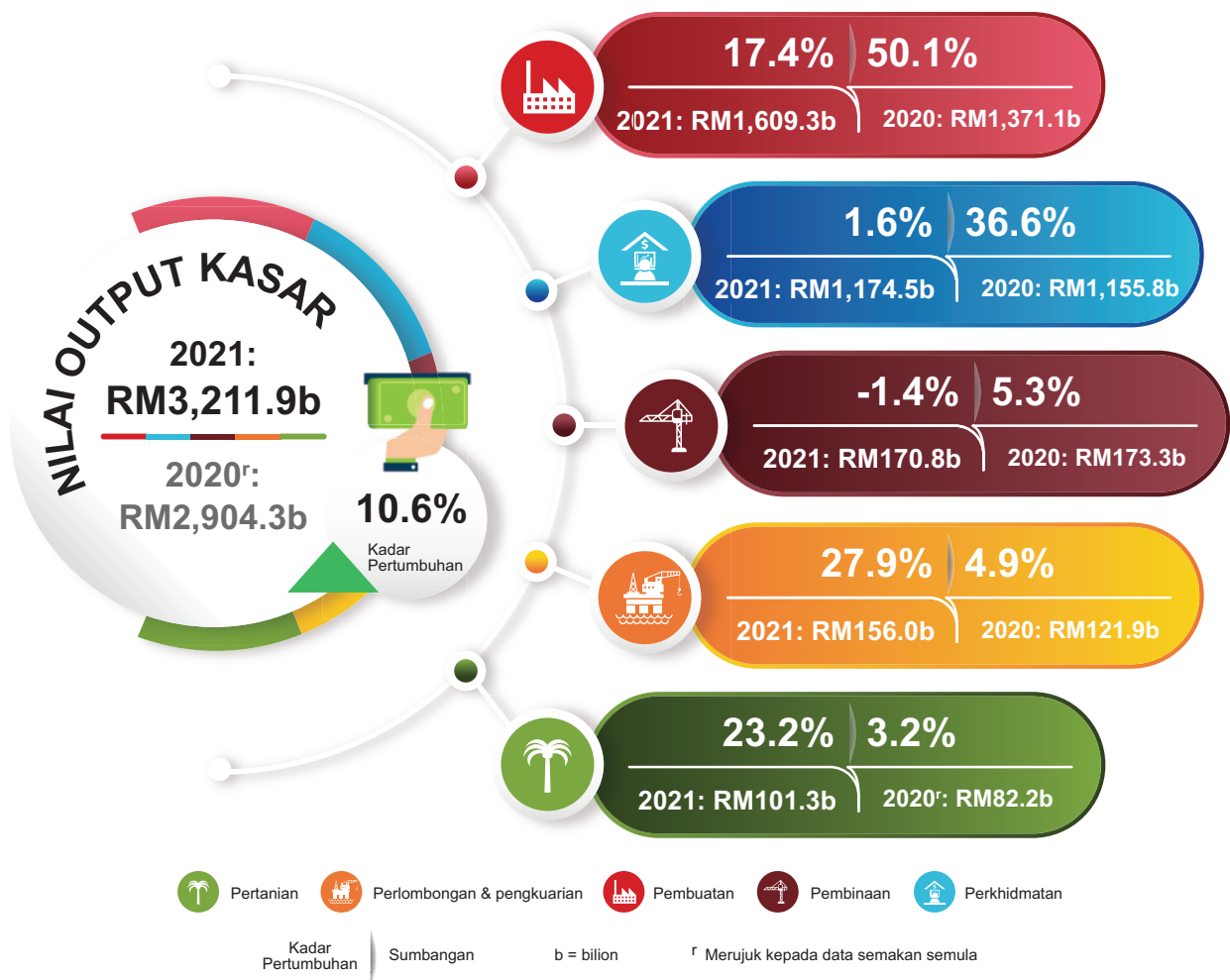


b = bilion ^r Merujuk kepada data semakan semula

3. NILAI OUTPUT KASAR

Sektor Pembuatan merupakan penyumbang utama kepada nilai output kasar yang berjumlah RM1,609.3 bilion dengan sumbangan 50.1 peratus seperti yang ditunjukkan dalam **Paparan 2**. Ini diikuti oleh sektor Perkhidmatan dan Pembinaan masing-masing dengan nilai RM1,174.5 bilion (sumbangan: 36.6%) dan RM170.8 bilion (sumbangan: 5.3%). Ketiga-tiga sektor ini menyumbang sebanyak 92.0 peratus kepada jumlah nilai output kasar.

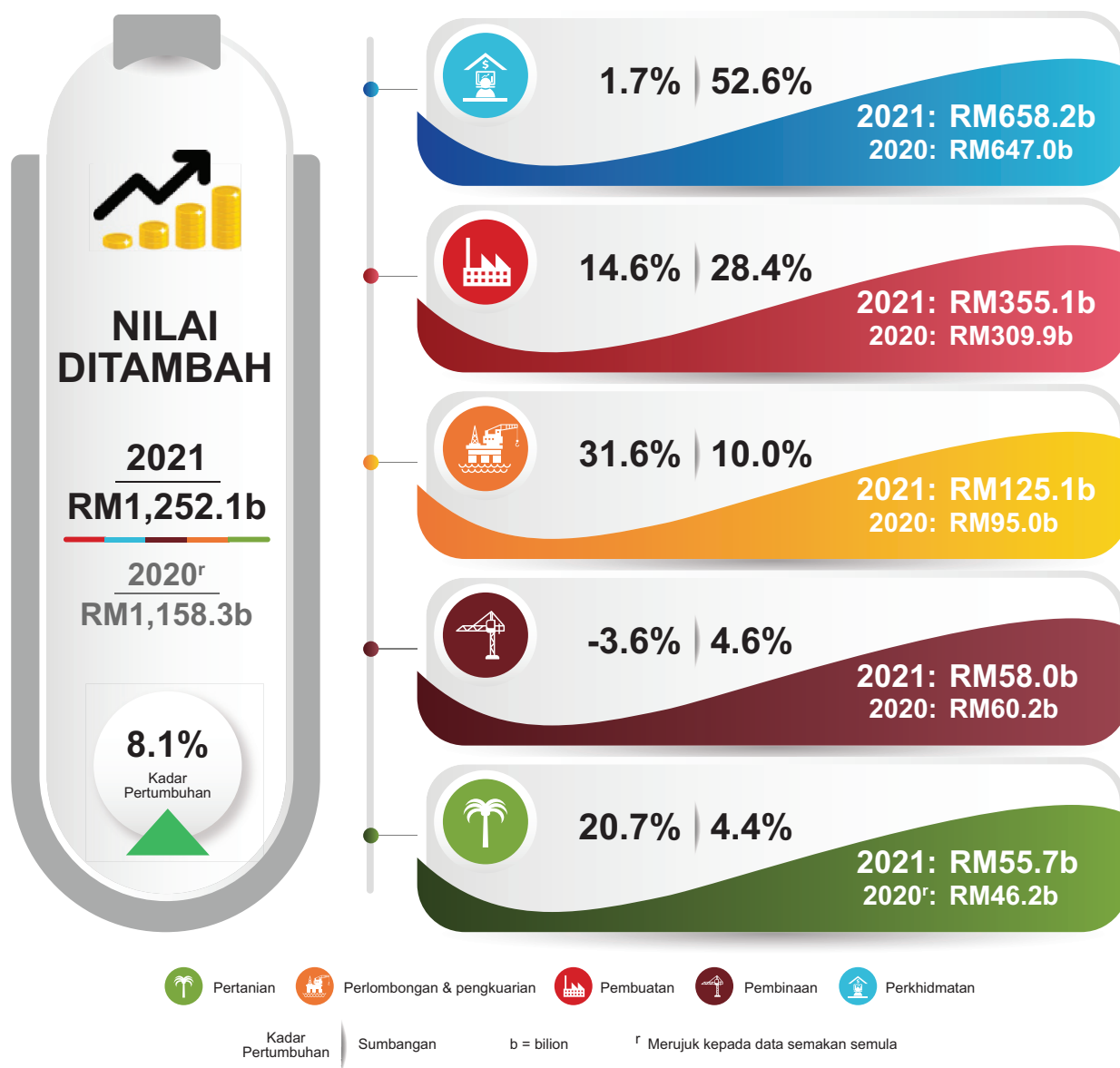
Paparan 2: Prestasi Output Kasar mengikut Sektor, 2020 dan 2021



4. NILAI DITAMBAH

Nilai ditambah bagi keseluruhan sektor pada 2021 berjumlah RM1,252.1 bilion, bertambah sebanyak RM93.8 bilion berbanding RM1,158.3 bilion pada tahun sebelumnya. Sektor Perkhidmatan merupakan penyumbang tertinggi kepada nilai ditambah sebanyak RM658.2 bilion dengan sumbangan 52.6 peratus. Ini diikuti oleh sektor Pembuatan dan Perlombongan & pengkuarian masing-masing dengan nilai RM355.1 bilion (sumbangan: 28.4%) dan RM125.1 bilion (sumbangan: 10.0%) [Paparan 3].

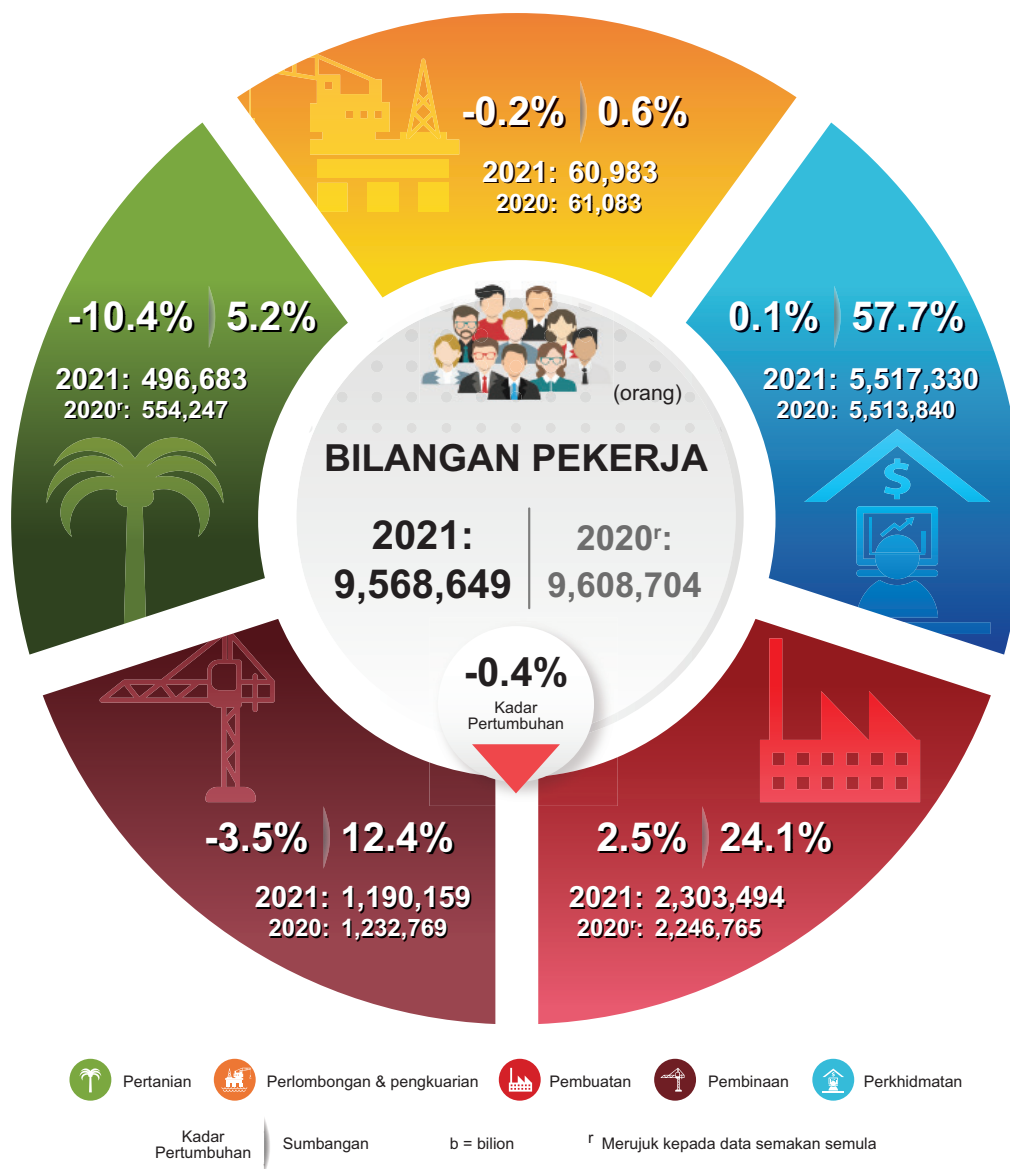
Paparan 3: Prestasi Nilai Ditambah mengikut Sektor, 2020 dan 2021



5. BILANGAN PEKERJA

Bilangan pekerja bagi keseluruhan sektor ekonomi pada 2021 adalah seramai 9,568,649 orang berbanding 9,608,704 orang pada 2020 dengan penyusutan 0.4 peratus. Sektor Perkhidmatan merupakan penyumbang utama dengan merekodkan sumbangan sebanyak 57.7 peratus (5,517,330 orang); diikuti oleh sektor Pembuatan dan Pembinaan masing-masing dengan 24.1 peratus (2,303,494 orang) dan 12.4 peratus (1,190,159 orang) [Paparan 4].

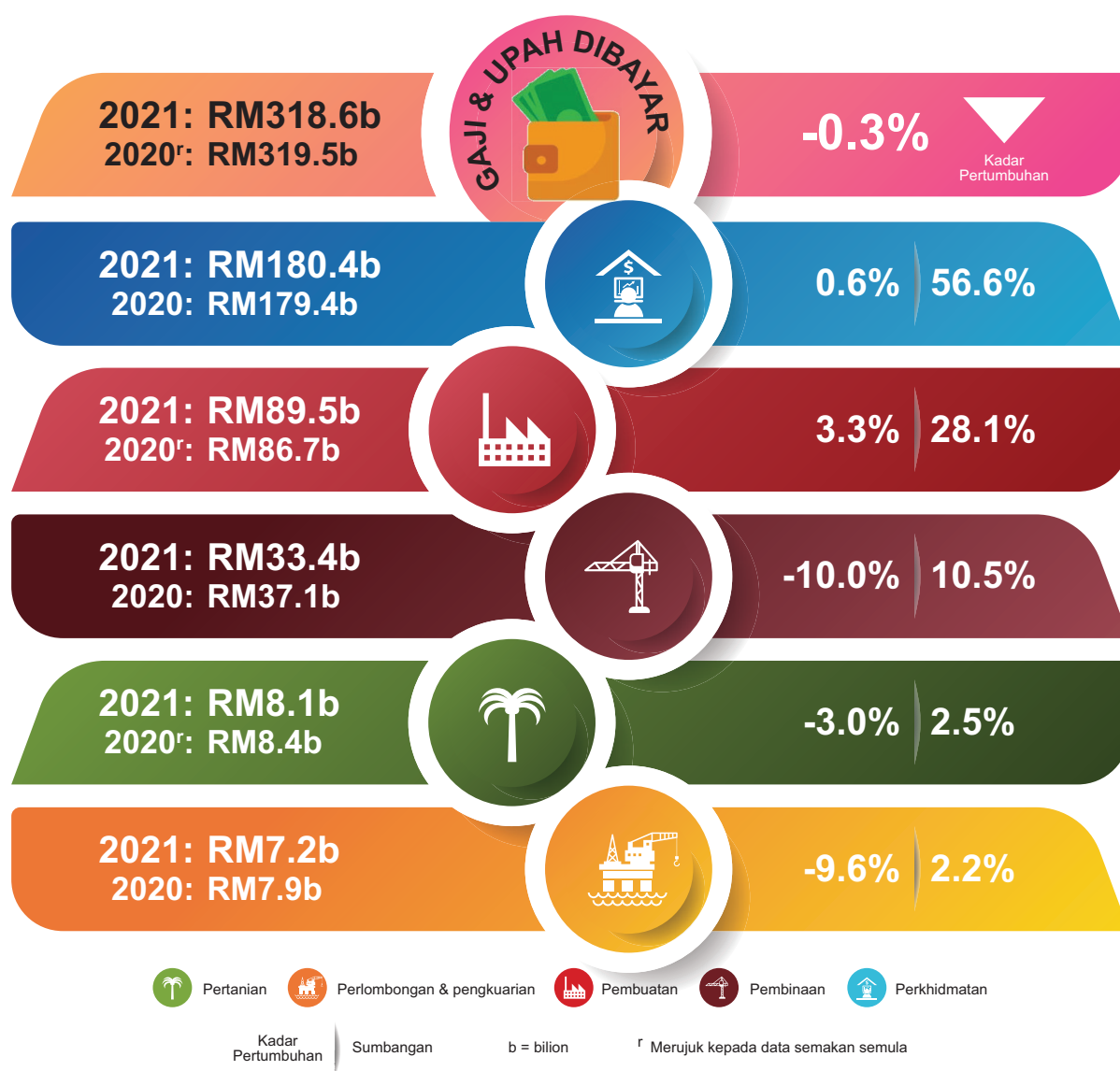
Paparan 4: Bilangan Pekerja mengikut Sektor, 2020 dan 2021



6. GAJI DAN UPAH

Jumlah gaji & upah yang dibayar bagi keseluruhan sektor ekonomi pada 2021 menurun 0.3 peratus berjumlah RM318.6 bilion (2020: RM319.5 bilion) seperti di **Paparan 5**. Sektor Perkhidmatan menyumbang gaji & upah yang dibayar tertinggi dengan nilai sebanyak RM180.4 bilion (sumbangan: 56.6%). Ini diikuti oleh Sektor Pembuatan dan Pembinaan masing-masing merekodkan nilai RM89.5 bilion dan RM33.4 bilion. Secara kolektif, nilai gaji & upah yang dibayar bagi ketiga-tiga sektor berjumlah RM303.3 bilion (sumbangan: 95.2%).

Paparan 5: Prestasi Gaji & Upah yang dibayar mengikut Sektor, 2020 dan 2021



7. PRESTASI MENGIKUT NEGERI

7.1 Nilai Output Kasar

Selangor merekodkan nilai output kasar tertinggi berjumlah RM844.1 bilion pada 2021 yang menyumbang 26.3 peratus dari jumlah output kasar seperti di **Paparan 6**. Ini diikuti oleh Wilayah Persekutuan dan Johor masing-masing mencatatkan nilai sebanyak RM544.5 bilion (sumbangan: 17.0%) dan RM362.6 bilion (sumbangan: 11.3%). Ketiga-tiga negeri ini menyumbang 54.6 peratus (RM1,751.2 bilion) daripada jumlah output kasar.

Paparan 6: Prestasi Output Kasar mengikut Negeri, 2020 dan 2021

 MALAYSIA	2021	2020 ^r	SUMBANGAN	KADAR
	(RM bilion)	(RM bilion)	2021 (%)	PERTUMBUHAN 2021 / 2020 (%)
MALAYSIA	3,211.9	2,904.3	100.0	10.6
Selangor	844.1	756.7	26.3	11.5
Wilayah Persekutuan**	544.5	553.8	17.0	-1.7
Johor	362.6	326.9	11.3	10.9
Pulau Pinang	311.7	274.4	9.7	13.6
Sarawak	300.2	226.7	9.3	32.4
Sabah	140.0	118.2	4.4	18.4
Negeri Sembilan	128.8	108.8	4.0	18.5
Perak	126.6	112.0	3.9	13.1
Melaka	121.8	112.2	3.8	8.6
Kedah	106.2	100.9	3.3	5.3
Pahang	93.7	89.7	2.9	4.4
Terengganu	60.1	55.2	1.9	8.9
Kelantan	19.5	19.3	0.6	0.7
Perlis	7.2	6.8	0.2	5.0
Supra***	45.0	42.6	1.4	5.4

** Termasuk Wilayah Persekutuan Kuala Lumpur, Labuan dan Putrajaya.

*** Merangkumi aktiviti pengeluaran yang melangkaui pusat kepentingan ekonomi utama bagi mana-mana negeri.

7.2 Nilai Ditambah

Selangor, Wilayah Persekutuan dan Sarawak merupakan tiga negeri utama yang menyumbang sebanyak 60.8 peratus daripada jumlah nilai ditambah pada 2021 seperti di **Paparan 7**. Selangor mencatatkan nilai ditambah tertinggi iaitu RM314.3 bilion dengan sumbangan 25.1 peratus, diikuti oleh Wilayah Persekutuan sebanyak RM299.8 bilion (sumbangan: 23.9%) dan Sarawak sebanyak RM147.8 bilion (sumbangan: 11.8%).

Paparan 7: Prestasi Nilai Ditambah mengikut Negeri, 2020 dan 2021

 MALAYSIA	2021 (RM bilion)	2020 [*] (RM bilion)	SUMBANGAN 2021 (%)	KADAR PERTUMBUHAN 2021 / 2020 (%)
MALAYSIA	1,252.1	1,158.3	100.0	8.1
Selangor	314.3	291.9	25.1	7.7
Wilayah Persekutuan**	299.8	304.0	23.9	-1.4
Sarawak	147.8	107.5	11.8	37.5
Johor	102.9	99.1	8.2	3.8
Pulau Pinang	86.4	78.8	6.9	9.6
Sabah	72.6	56.5	5.8	28.6
Perak	43.4	41.3	3.5	5.1
Pahang	28.7	30.8	2.3	-6.8
Kedah	28.5	27.3	2.3	4.1
Negeri Sembilan	28.3	26.0	2.3	8.8
Melaka	28.1	27.0	2.2	4.1
Terengganu	21.3	20.2	1.7	5.6
Kelantan	8.9	8.9	0.7	0.3
Perlis	2.8	2.7	0.2	5.2
Supra***	38.3	36.3	3.1	5.5

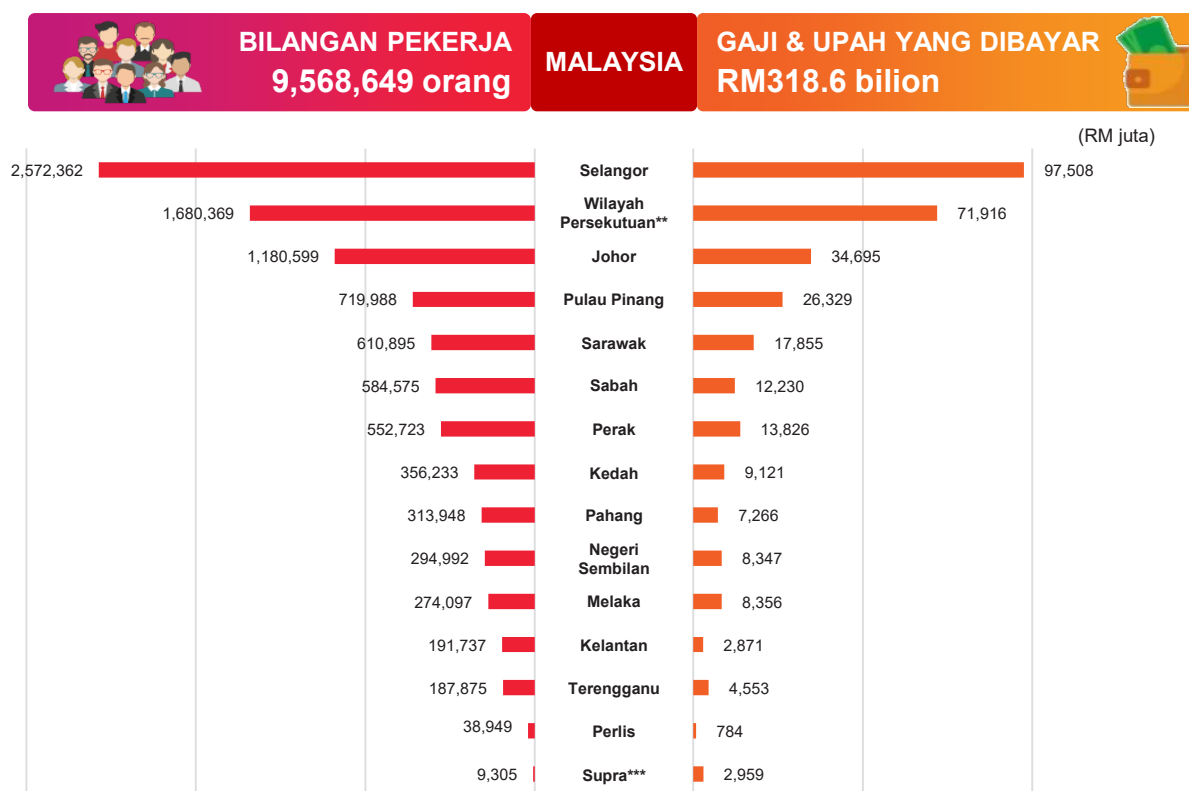
** Termasuk Wilayah Persekutuan Kuala Lumpur, Labuan dan Putrajaya.

*** Merangkumi aktiviti pengeluaran yang melangkaui pusat kepentingan ekonomi utama bagi mana-mana negeri.

7.3 Bilangan Pekerja dan Gaji & Upah yang dibayar

Selangor mencatatkan bilangan pekerja tertinggi iaitu 2,572,362 orang dengan sumbangan 26.9 peratus seperti yang ditunjukkan pada **Carta 1**. Ini diikuti oleh Wilayah Persekutuan dan Johor dengan masing-masing seramai 1,680,369 orang (sumbangan: 17.6%) dan 1,180,599 orang (sumbangan: 12.3%). Bilangan pekerja bagi ketiga-tiga negeri ini menyumbang 56.8 peratus dengan seramai 5,433,331 orang.

Carta 1: Bilangan Pekerja dan Gaji & Upah Dibayar mengikut Negeri, 2021



** Termasuk Wilayah Persekutuan Kuala Lumpur, Labuan dan Putrajaya.

*** Merangkumi aktiviti pengeluaran yang melangkaui pusat kepentingan ekonomi utama bagi mana-mana negeri.

Pada masa yang sama, Selangor turut merekodkan gaji & upah tertinggi yang dibayar dengan jumlah RM97.5 bilion (sumbangan: 30.6%) seperti di **Paparan 8**. Ini diikuti oleh Wilayah Persekutuan dengan nilai RM71.9 bilion (sumbangan: 22.6%) dan Johor dengan nilai RM34.7 bilion (sumbangan: 10.9%). Jumlah gaji & upah yang dibayar bagi ketiga-tiga negeri ini adalah RM204.1 bilion yang menyumbang 64.1 peratus kepada keseluruhan sektor.

Paparan 8: Bilangan Pekerja dan Gaji & Upah Dibayar mengikut Negeri, 2020 dan 2021

	TAHUN	BILANGAN PEKERJA (orang)	KADAR PERTUMBUHAN 2021 / 2020 (%)	SUMBANGAN 2021 (%)	GAJI & UPAH DIBAYAR (RM billion)	KADAR PERTUMBUHAN 2021 / 2020 (%)	SUMBANGAN 2021 (%)
 MALAYSIA	2021 2020*	9,568,649 9,608,704	-0.4	100.0	318.6 319.5	-0.3	100.0
Selangor	2021 2020*	2,572,362 2,536,776	1.4	26.9	97.5 96.5	1.1	30.6
Wilayah Persekutuan**	2021 2020*	1,680,369 1,688,421	-0.5	17.6	71.9 73.3	-1.9	22.6
Johor	2021 2020*	1,180,599 1,202,333	-1.8	12.3	34.7 34.9	-0.6	10.9
Pulau Pinang	2021 2020*	719,988 711,040	1.3	7.5	26.3 26.0	1.2	8.3
Sarawak	2021 2020*	610,895 611,048	-0.02	6.4	17.9 17.4	2.7	5.6
Sabah	2021 2020*	584,575 609,501	-4.1	6.1	12.2 13.1	-6.7	3.8
Perak	2021 2020*	552,723 558,105	-1.0	5.8	13.8 13.6	1.5	4.3
Kedah	2021 2020*	356,233 356,469	-0.1	3.7	9.1 9.0	0.8	2.9
Pahang	2021 2020*	313,948 327,254	-4.1	3.3	7.3 7.5	-2.7	2.3
Negeri Sembilan	2021 2020*	294,992 298,409	-1.1	3.1	8.4 8.4	-0.2	2.6
Melaka	2021 2020*	274,097 277,973	-1.4	2.9	8.4 8.3	0.7	2.6
Kelantan	2021 2020*	191,737 192,290	-0.3	2.0	2.9 2.9	-1.1	0.9
Terengganu	2021 2020*	187,875 190,530	-1.4	2.0	4.6 4.6	-1.9	1.4
Perlis	2021 2020*	38,949 38,952	-0.01	0.4	0.8 0.8	-1.1	0.2
Supra***	2021 2020*	9,305 9,602	-3.1	0.1	3.0 3.2	-7.2	0.9

** Termasuk Wilayah Persekutuan Kuala Lumpur, Labuan dan Putrajaya.

*** Merangkumi aktiviti pengeluaran yang melangkaui pusat kepentingan ekonomi utama bagi mana-mana negeri.

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SUMMARY OF FINDINGS

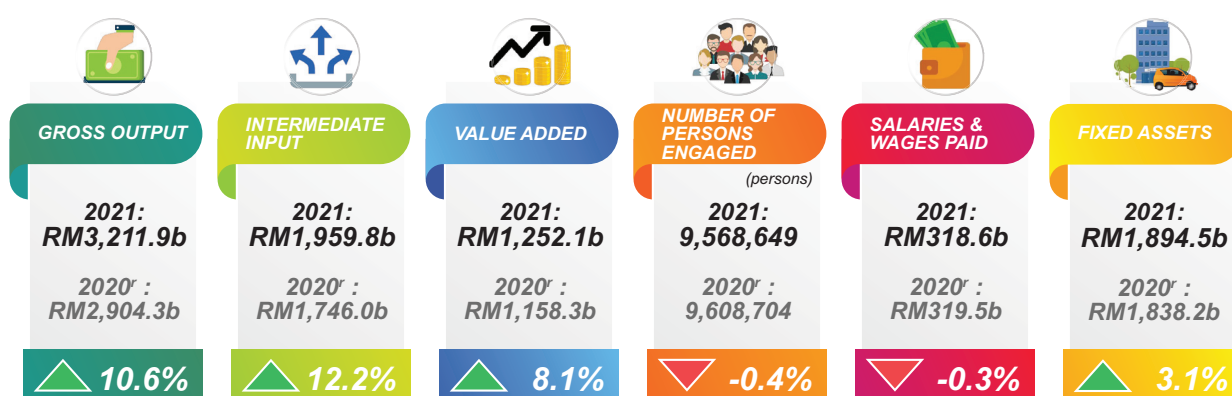
1. INTRODUCTION

The publication of Annual Economic Statistics 2022 presents the performance of the overall economic sector on the findings from the Annual Economic Survey for the reference year 2021. It comprises of Agriculture, Mining & quarrying, Manufacturing, Construction and Services sectors.

2. OVERALL PERFORMANCE

The value of gross output for all economic sectors in 2021 recorded RM3,211.9 billion as compared to RM2,904.3 billion in 2020, with an annual growth of 10.6 per cent as depicted in **Exhibit 1**. The intermediate inputs grew by 12.2 per cent to RM1,959.8 billion in 2021 (2020: RM1,746.0 billion). Subsequently, the value added registered a value of RM1,252.1 billion as against RM1,158.3 billion in the preceding year. Meanwhile, the number of persons engaged in 2021 was 9,568,649 persons, decreased by 40,055 persons (-0.4%) as compared to 9,608,704 persons from the previous year. The salaries and wages paid in 2021 amounted to RM318.6 billion as compared to RM319.5 billion in 2020 with an annual growth rate decreased 0.3 per cent.

Exhibit 1: Principal Statistics of All Economic Sectors, 2020 and 2021

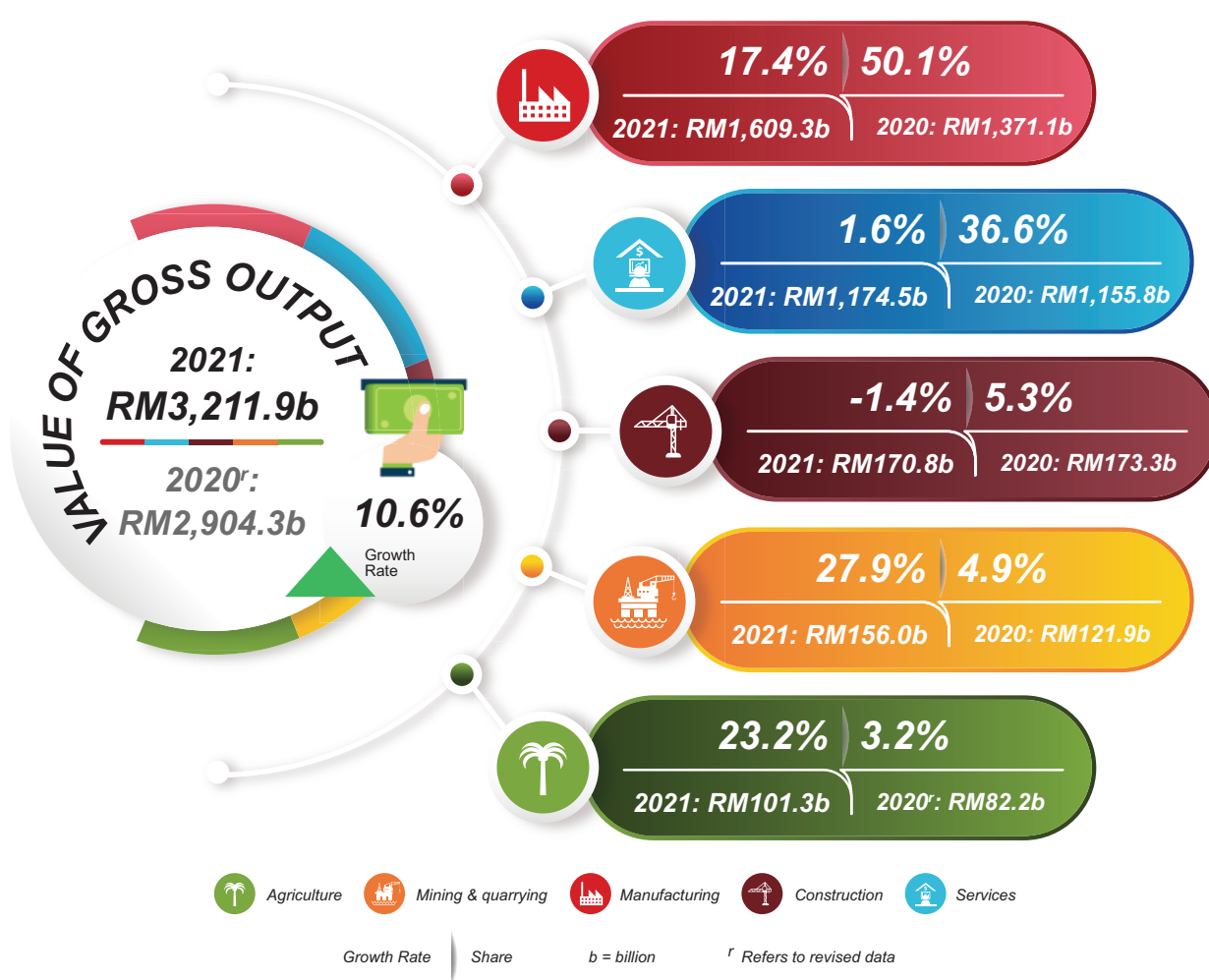


b = billion ^r Refers to revised data

3. VALUE OF GROSS OUTPUT

Manufacturing sector was the main contributor to the value of gross output which amounted to RM1,609.3 billion with a share of 50.1 per cent as shown in **Exhibit 2**. This was followed by Services and Construction sectors with a value of RM1,174.5 billion (share: 36.6%) and RM170.8 billion (share: 5.3%) respectively. These three sectors contributed 92.0 per cent to the overall value of gross output.

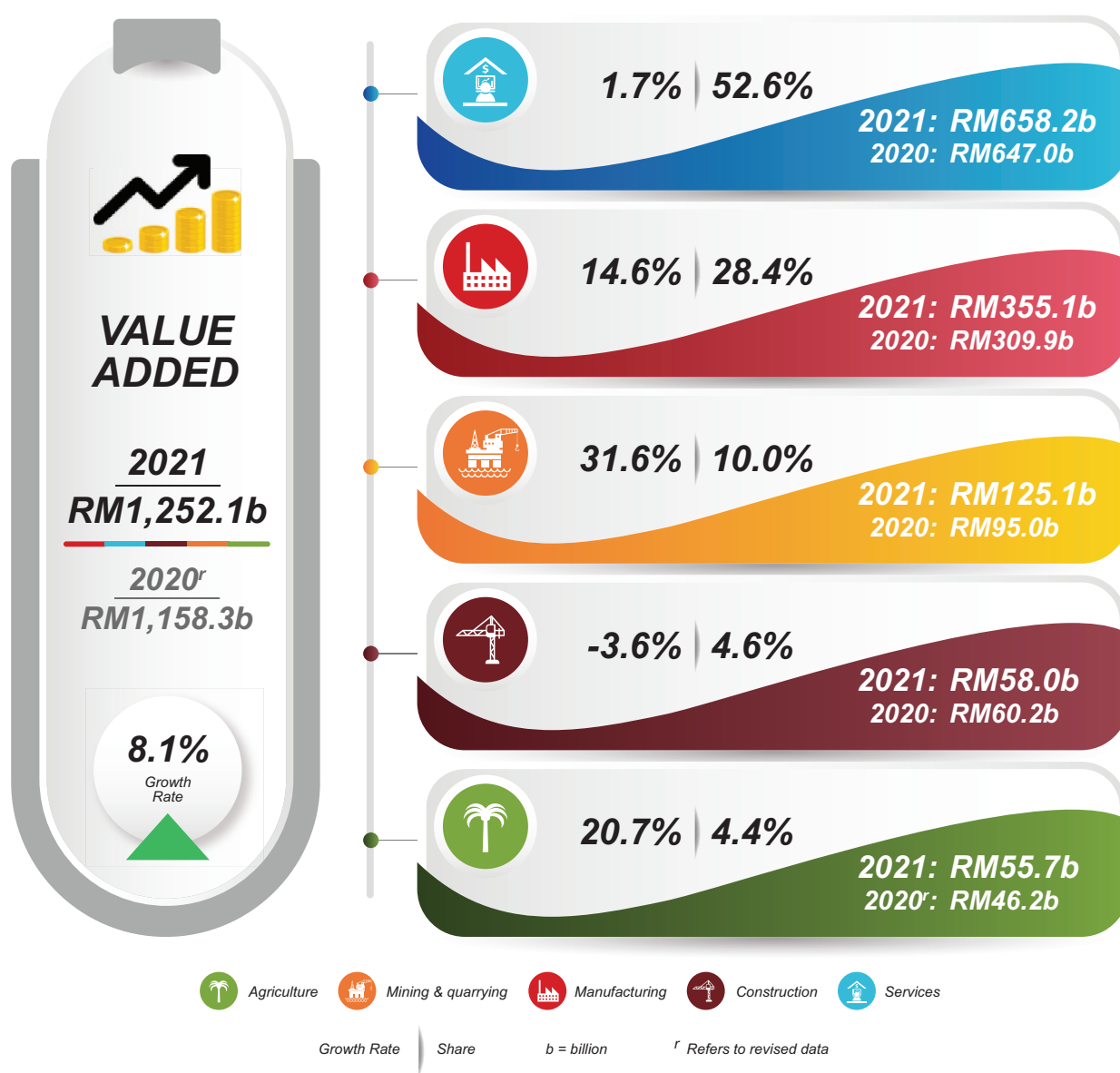
Exhibit 2: Performance of Gross Output by Sector, 2020 and 2021



4. VALUE ADDED

Value added for all economic sectors in 2021 amounted to RM1,252.1 billion, an increase of RM93.8 billion as against RM1,158.3 billion in the preceding year. Services sector contributed the highest value added at RM658.2 billion with a share of 52.6 per cent. This was followed by Manufacturing and Mining & quarrying sectors with a value of RM355.1 billion (share: 28.4%) and RM125.1 billion (share: 10.0%) respectively [Exhibit 3].

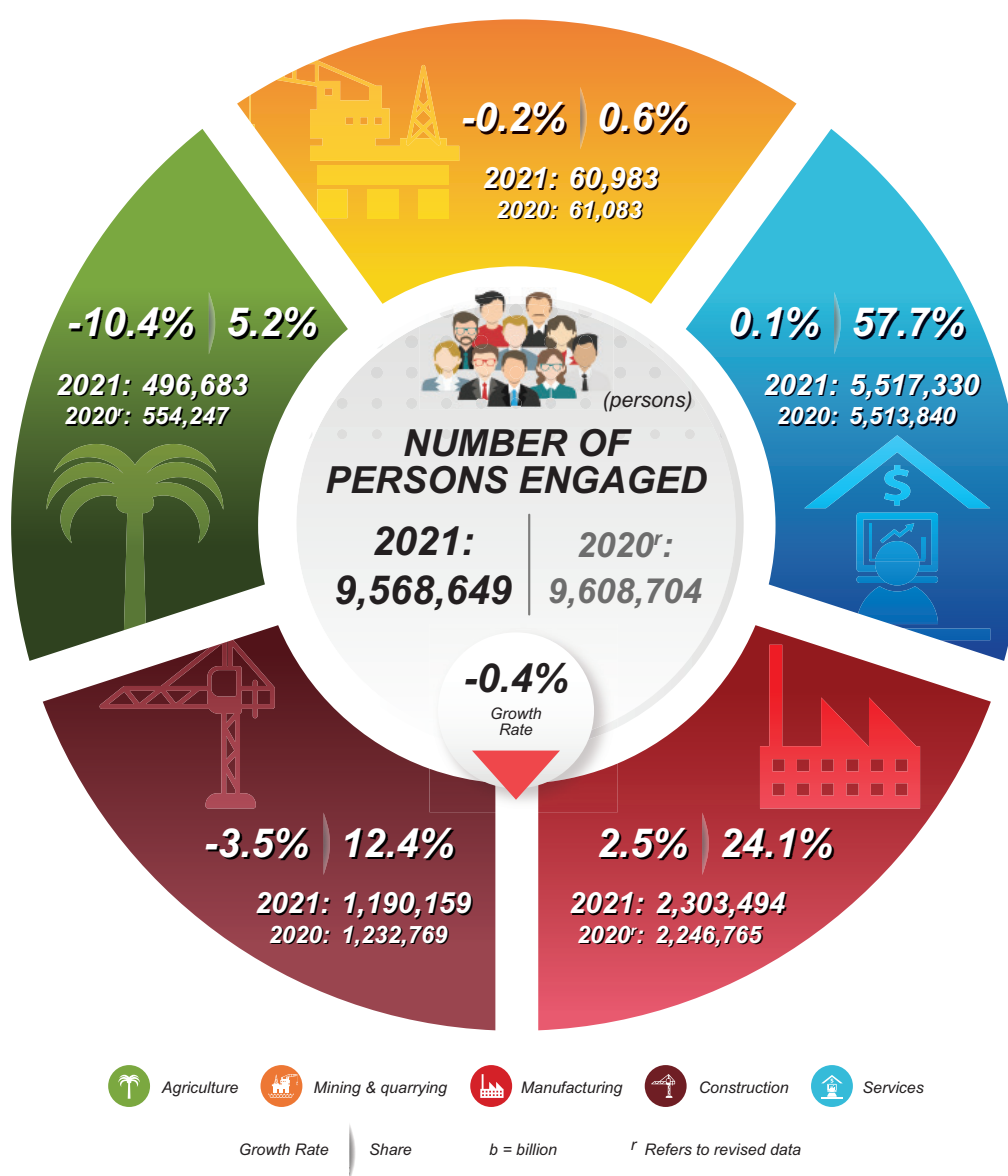
Exhibit 3: Performance of Value Added by Sector, 2020 and 2021



5. NUMBER OF PERSONS ENGAGED

The number of persons engaged for all economic sectors in 2021 stood at 9,568,649 persons as compared to 9,608,704 persons in 2020 with a decreased of 0.4 per cent. Services sector is the main contributor which recorded a share of 57.7 per cent (5,517,330 persons); followed by Manufacturing and Construction sectors with a share of 24.1 per cent (2,303,494 persons) and 12.4 per cent (1,190,159 persons) respectively [Exhibit 4].

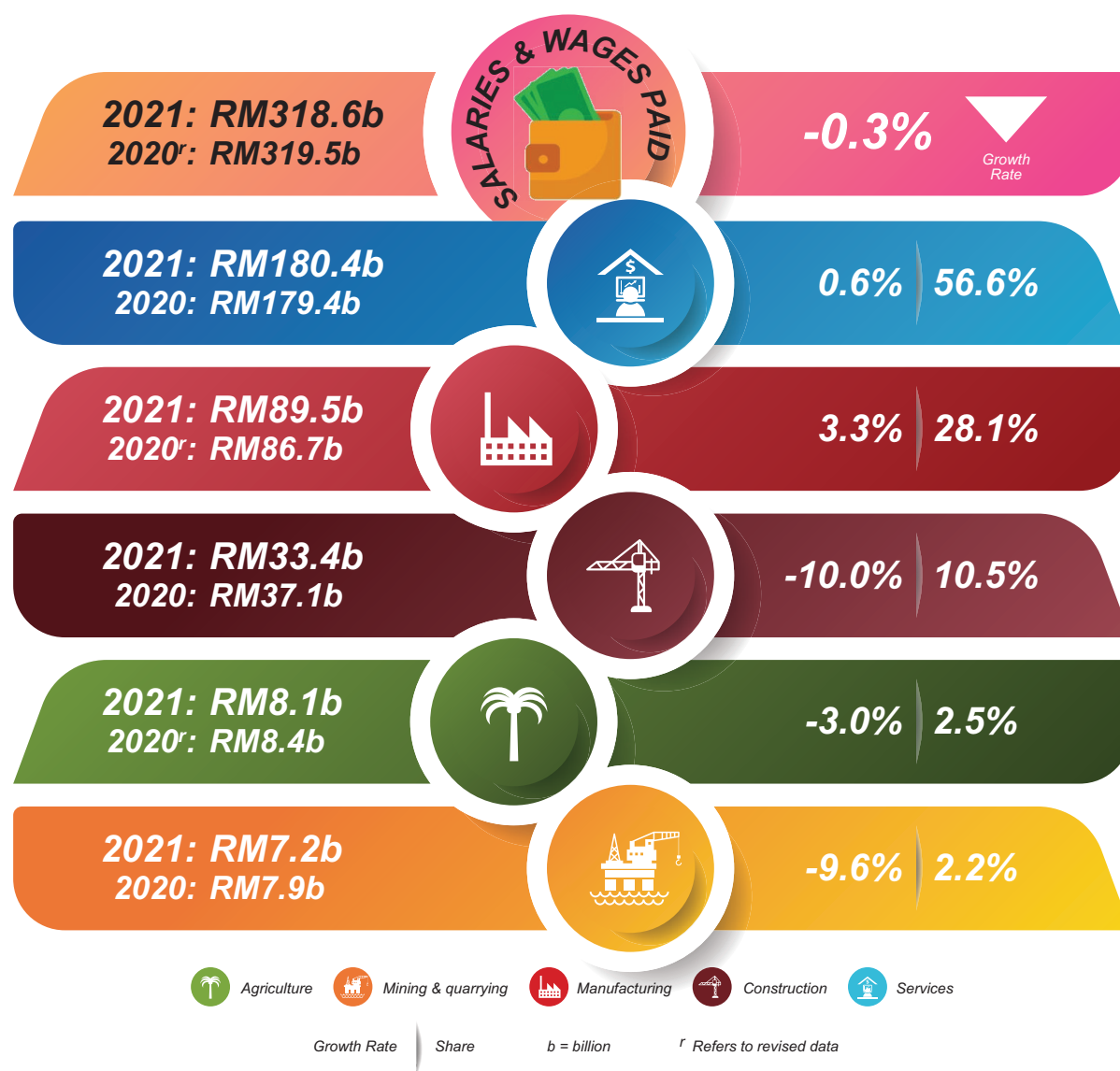
Exhibit 4: Number of Persons Engaged by Sector, 2020 and 2021



6. SALARIES AND WAGES PAID

Total salaries & wages paid for all economic sectors in 2021 decreased 0.3 per cent amounted to RM318.6 billion (2020: RM319.5 billion) as depicted in **Exhibit 5**. Services sector contributed the highest salaries & wages paid with a value of RM180.4 billion (share: 56.6%). This was followed by Manufacturing and Construction sectors which recorded a value of RM89.5 billion and RM33.4 billion respectively. Collectively, the value of salaries & wages paid by these three sectors were RM303.3 billion (share: 95.2%).

Exhibit 5: Performance of Salaries & Wages Paid by Sector, 2020 and 2021



7. PERFORMANCE BY STATE

7.1 Value of Gross Output

Selangor recorded the highest gross output value of RM844.1 billion in 2021 which contributed 26.3 per cent of the total gross output as shown in **Exhibit 6**. This was followed by Wilayah Persekutuan and Johor with a value of RM544.5 billion (share: 17.0%) and RM362.6 billion (share: 11.3%) respectively. These three states encompasses 54.6 per cent (RM1,751.2 billion) of total gross output.

Exhibit 6: Performance of Gross Output by State, 2020 and 2021

 MALAYSIA	2021 (RM billion)	2020 [*] (RM billion)	SHARE 2021 (%)	GROWTH RATE 2021 / 2020 (%)
MALAYSIA	3,211.9	2,904.3	100.0	10.6
Selangor	844.1	756.7	26.3	11.5
Wilayah Persekutuan**	544.5	553.8	17.0	-1.7
Johor	362.6	326.9	11.3	10.9
Pulau Pinang	311.7	274.4	9.7	13.6
Sarawak	300.2	226.7	9.3	32.4
Sabah	140.0	118.2	4.4	18.4
Negeri Sembilan	128.8	108.8	4.0	18.5
Perak	126.6	112.0	3.9	13.1
Melaka	121.8	112.2	3.8	8.6
Kedah	106.2	100.9	3.3	5.3
Pahang	93.7	89.7	2.9	4.4
Terengganu	60.1	55.2	1.9	8.9
Kelantan	19.5	19.3	0.6	0.7
Perlis	7.2	6.8	0.2	5.0
Supra***	45.0	42.6	1.4	5.4

^{**} Includes Federal Territory of Kuala Lumpur, Labuan and Putrajaya

^{***} Comprises of production activities that beyond the centre of predominant economic interest for any state.

7.2 Value Added

Selangor, Wilayah Persekutuan and Sarawak were the three main states attributed to 60.8 per cent of total value added in 2021 as depicted in **Exhibit 7**. Selangor registered the highest value added at RM314.3 billion with a share of 25.1 per cent, followed by Wilayah Persekutuan with RM299.8 billion (share: 23.9%) and Sarawak with RM147.8 billion (share: 11.8%).

Exhibit 7: Performance of Value Added by State, 2020 and 2021

 MALAYSIA	2021 (RM billion)	2020 [*] (RM billion)	SHARE 2021 (%)	GROWTH RATE 2021 / 2020 (%)
MALAYSIA	1,252.1	1,158.3	100.0	8.1
Selangor	314.3	291.9	25.1	7.7
Wilayah Persekutuan**	299.8	304.0	23.9	-1.4
Sarawak	147.8	107.5	11.8	37.5
Johor	102.9	99.1	8.2	3.8
Pulau Pinang	86.4	78.8	6.9	9.6
Sabah	72.6	56.5	5.8	28.6
Perak	43.4	41.3	3.5	5.1
Pahang	28.7	30.8	2.3	-6.8
Kedah	28.5	27.3	2.3	4.1
Negeri Sembilan	28.3	26.0	2.3	8.8
Melaka	28.1	27.0	2.2	4.1
Terengganu	21.3	20.2	1.7	5.6
Kelantan	8.9	8.9	0.7	0.3
Perlis	2.8	2.7	0.2	5.2
Supra***	38.3	36.3	3.1	5.5

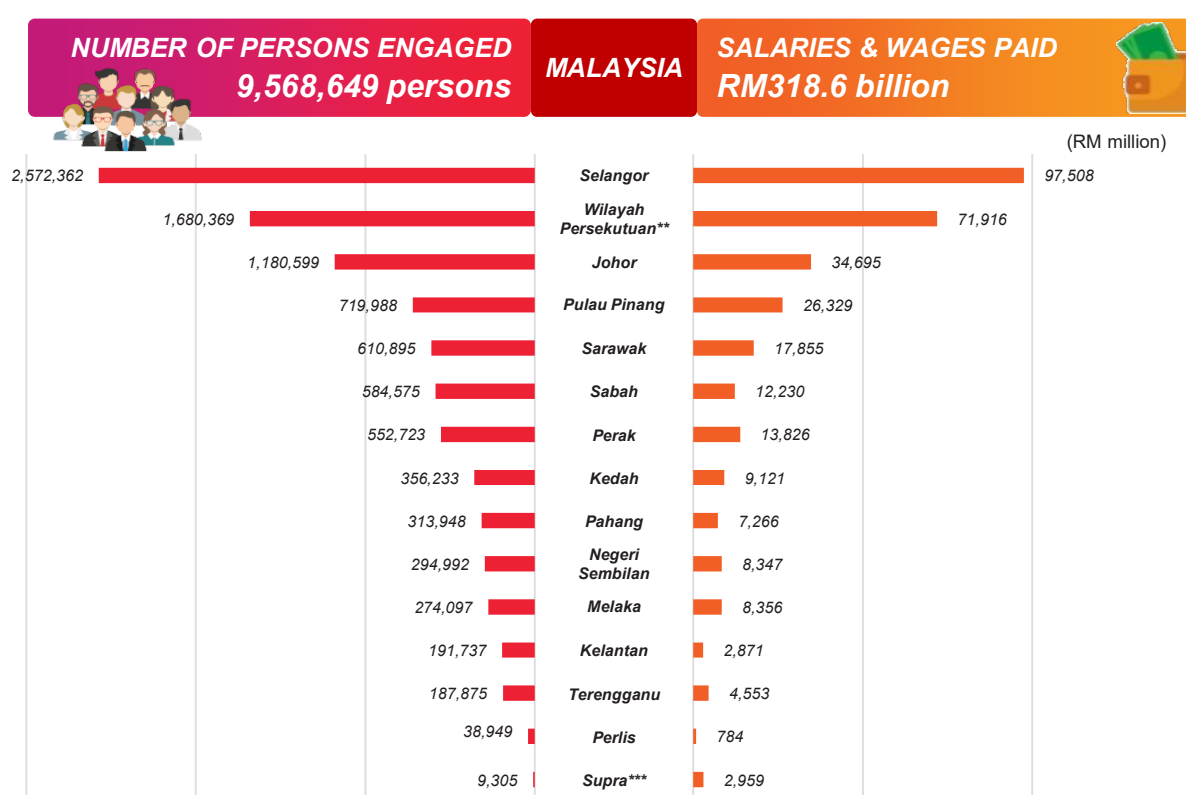
^{**} Includes Federal Territory of Kuala Lumpur, Labuan and Putrajaya

^{***} Comprises of production activities that beyond the centre of predominant economic interest for any state.

7.3 Number of Persons Engaged and Salaries & Wages Paid

Selangor recorded the highest number of persons engaged at 2,572,362 persons with a contribution of 26.9 per cent as shown in **Chart 1**. This was followed by Wilayah Persekutuan and Johor with 1,680,369 persons (share: 17.6%) and 1,180,599 persons (share: 12.3%) respectively. The number of persons engaged for these three states contributed 56.8 per cent with 5,433,331 persons.

Chart 1: Number of Persons Engaged and Salaries & Wages Paid by State, 2021



** Includes Federal Territory of Kuala Lumpur, Labuan and Putrajaya

*** Comprises of production activities that beyond the centre of predominant economic interest for any state.

At the same time, Selangor also recorded as the highest salaries & wages paid accounted of RM97.5 billion (share: 30.6%) as illustrated in **Exhibit 8**. This was followed by Wilayah Persekutuan with RM71.9 billion (share: 22.6%) and Johor with RM34.7 billion (share: 10.9%). The total salaries & wages paid in these three states valued at RM204.1 billion which contributed 64.1 per cent to the overall sector.

Exhibit 8: Number of Persons Engaged and Salaries & Wages Paid by State, 2020 and 2021

	YEAR	NUMBER OF PERSONS ENGAGED (persons)	GROWTH RATE 2021 / 2020 (%)	SHARE 2021 (%)	SALARIES & WAGES PAID (RM billion)	GROWTH RATE 2021 / 2020 (%)	SHARE 2021 (%)
MALAYSIA	2021	9,568,649	-0.4	100.0	318.6	-0.3	100.0
	2020*	9,608,704			319.5		
Selangor	2021	2,572,362	1.4	26.9	97.5	1.1	30.6
	2020*	2,536,776			96.5		
Wilayah Persekutuan**	2021	1,680,369	-0.5	17.6	71.9	-1.9	22.6
	2020*	1,688,421			73.3		
Johor	2021	1,180,599	-1.8	12.3	34.7	-0.6	10.9
	2020*	1,202,333			34.9		
Pulau Pinang	2021	719,988	1.3	7.5	26.3	1.2	8.3
	2020*	711,040			26.0		
Sarawak	2021	610,895	-0.02	6.4	17.9	2.7	5.6
	2020*	611,048			17.4		
Sabah	2021	584,575	-4.1	6.1	12.2	-6.7	3.8
	2020*	609,501			13.1		
Perak	2021	552,723	-1.0	5.8	13.8	1.5	4.3
	2020*	558,105			13.6		
Kedah	2021	356,233	-0.1	3.7	9.1	0.8	2.9
	2020*	356,469			9.0		
Pahang	2021	313,948	-4.1	3.3	7.3	-2.7	2.3
	2020*	327,254			7.5		
Negeri Sembilan	2021	294,992	-1.1	3.1	8.4	-0.2	2.6
	2020*	298,409			8.4		
Melaka	2021	274,097	-1.4	2.9	8.4	0.7	2.6
	2020*	277,973			8.3		
Kelantan	2021	191,737	-0.3	2.0	2.9	-1.1	0.9
	2020*	192,290			2.9		
Terengganu	2021	187,875	-1.4	2.0	4.6	-1.9	1.4
	2020*	190,530			4.6		
Perlis	2021	38,949	-0.01	0.4	0.8	-1.1	0.2
	2020*	38,952			0.8		
Supra***	2021	9,305	-3.1	0.1	3.0	-7.2	0.9
	2020*	9,602			3.2		

** Includes Federal Territory of Kuala Lumpur, Labuan and Putrajaya

*** Comprises of production activities that beyond the centre of predominant economic interest for any state.

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BAHAGIAN 2
PART 2

Jadual Statistik
Statistical Tables

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Jadual 1: Statistik Utama Keseluruhan Sektor Ekonomi, 2017-2021*Table 1: Principal Statistics of All Economic Sectors, 2017-2021*

Tahun <i>Year</i>	Nilai output kasar <i>Value of gross output</i>	Nilai input perantara <i>Value of intermediate input</i>	Nilai ditambah <i>Value added</i>	Jumlah pekerja <i>Total number of persons engaged</i>	Gaji & upah yang dibayar <i>Salaries & wages paid</i>	Nilai harta tetap <i>Value of fixed assets</i>
	(RM juta) <i>(RM million)</i>	(RM juta) <i>(RM million)</i>	(RM juta) <i>(RM million)</i>		(RM juta) <i>(RM million)</i>	(RM juta) <i>(RM million)</i>
2021	3,211,910	1,959,801	1,252,109	9,568,649	318,616	1,894,451
2020^r	2,904,294	1,746,035	1,158,258	9,608,704	319,481	1,838,287
2019*	3,094,592	1,838,744	1,255,847	9,884,847	330,706	1,994,971
2018*	2,971,536	1,768,739	1,202,798	9,623,388	313,070	1,918,489
2017*	2,817,420	1,694,206	1,123,213	9,379,796	283,214	1,784,108

Nota / Note :

^r Merujuk kepada data semakan semula
Refers to revised data

* Merujuk kepada semakan teknikal data bagi tahun 2017-2019
Refers to technical review of data for the year 2017-2019

Jadual 2: Statistik Utama mengikut Sektor, 2017-2021
Table 2: Principal Statistics by Sector, 2017-2021

Sektor Sector	Tahun Year	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap Value of fixed assets
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Jumlah* <i>Total</i>	2021	3,211,910	1,959,801	1,252,109	9,568,649	318,616	1,894,451
	2020^r	2,904,294	1,746,035	1,158,258	9,608,704	319,481	1,838,287
	2019	3,094,592	1,838,744	1,255,847	9,884,847	330,706	1,994,971
	2018	2,971,536	1,768,739	1,202,798	9,623,388	313,070	1,918,489
	2017	2,817,420	1,694,206	1,123,213	9,379,796	283,214	1,784,108
Pertanian* <i>Agriculture</i>	2021	101,316	45,623	55,692	496,683	8,115	78,953
	2020 ^r	82,227	36,077	46,150	554,247	8,369	94,999
	2019	70,082	31,634	38,448	571,398	8,746	105,900
	2018	70,260	31,350	38,909	583,208	8,909	105,848
	2017	74,036	33,908	40,128	599,069	8,821	86,112
Perlombongan & pengkuarian <i>Mining & quarrying</i>	2021	155,964	30,905	125,059	60,983	7,165	283,088
	2020	121,921	26,900	95,021	61,083	7,922	238,995
	2019	162,324	33,220	129,103	67,325	8,456	333,445
	2018	165,718	33,583	132,134	67,021	8,453	345,597
	2017	151,388	31,554	119,835	66,964	8,139	318,733

Nota / Note :

^r Merujuk kepada data semakan semula
Refers to revised data

* Merujuk kepada semakan teknikal data sektor Pertanian bagi tahun 2017-2019
Refers to technical review of Agricultural sector data for the year 2017-2019

Jadual 2: Statistik Utama mengikut Sektor, 2017-2021 (samb.)

Table 2: Principal Statistics by Sector, 2017-2021 (cont'd)

Sektor Sector	Tahun Year	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap Value of fixed assets
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Pembuatan <i>Manufacturing</i>	2021	1,609,320	1,254,200	355,120	2,303,494	89,510	375,767
	2020 ^r	1,371,054	1,061,193	309,861	2,246,765	86,676	371,645
	2019	1,378,013	1,058,857	319,156	2,282,558	86,744	371,968
	2018	1,331,285	1,023,979	307,306	2,242,364	81,760	353,771
	2017	1,275,758	981,714	294,044	2,214,883	74,881	335,704
Pembinaan <i>Construction</i>	2021	170,771	112,782	57,989	1,190,159	33,380	22,185
	2020 ^r	173,271	113,093	60,178	1,232,769	37,092	24,766
	2019	212,494	137,169	75,325	1,300,822	41,212	28,914
	2018	210,901	136,139	74,762	1,297,038	40,683	28,536
	2017	204,436	131,798	72,639	1,330,266	39,194	27,888
Perkhidmatan* <i>Services</i>	2021	1,174,540	516,290	658,249	5,517,330	180,447	1,134,458
	2020 ^r	1,155,821	508,773	647,048	5,513,840	179,423	1,107,882
	2019	1,271,679	577,864	693,815	5,662,745	185,548	1,154,743
	2018	1,193,372	543,687	649,685	5,433,757	173,265	1,084,736
	2017	1,111,801	515,232	596,569	5,168,614	152,179	1,015,671

Nota / Note :^r Merujuk kepada data semakan semula

Refers to revised data

* Merujuk kepada semakan teknikal data sektor Perkhidmatan bagi tahun 2019

Refers to technical review of Services sector data for the year 2019

Jadual 2.1: Statistik Utama Sektor Pertanian mengikut Subsektor, 2017-2021*Table 2.1: Principal Statistics of Agriculture Sector by Sub-sector, 2017-2021*

Sektor / Subsektor <i>Sector / Sub-sector</i>	Tahun <i>Year</i>	Nilai output kasar <i>Value of gross output</i>	Nilai input perantaraan <i>Value of intermediate input</i>	Nilai ditambah <i>Value added</i>	Jumlah pekerja <i>Total number of persons engaged</i>	Gaji & upah yang dibayar <i>Salaries & wages paid</i>	Nilai harta tetap <i>Value of fixed assets</i>
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Pertanian* <i>Agriculture</i>	2021	101,316	45,623	55,692	496,683	8,115	78,953
	2020 ^r	82,227	36,077	46,150	554,247	8,369	94,999
	2019	70,082	31,634	38,448	571,398	8,746	105,900
	2018	70,260	31,350	38,909	583,208	8,909	105,848
	2017	74,036	33,908	40,128	599,069	8,821	86,112
Tanaman* <i>Crops</i>	2021	75,832	27,667	48,165	432,055	6,463	70,057
	2020 ^r	57,393	19,204	38,189	478,317	6,673	86,568
	2019	45,511	14,230	31,281	491,440	6,766	96,764
	2018	46,797	14,345	32,452	505,218	6,993	97,244
	2017	50,666	17,795	32,872	524,488	7,037	77,581
Ternakan* <i>Livestock</i>	2021	18,668	13,617	5,052	36,374	884	5,415
	2020 ^r	18,109	12,759	5,349	40,546	887	4,764
	2019	16,606	12,517	4,089	41,968	964	5,164
	2018	15,190	11,923	3,267	38,198	884	4,633
	2017	15,187	11,053	4,133	36,025	803	4,510

Nota / Note :^r Merujuk kepada data semakan semula*Refers to revised data*

* Merujuk kepada semakan teknikal data sektor Pertanian bagi tahun 2017-2019

Refers to technical review of Agricultural sector data for the year 2017-2019

Jadual 2.1: Statistik Utama Sektor Pertanian mengikut Subsektor, 2017-2021 (samb.)

Table 2.1: Principal Statistics of Agriculture Sector by Sub-sector, 2017-2021 (cont'd)

Sektor / Subsektor Sector / Sub-sector	Tahun Year	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap Value of fixed assets
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Perhutanan & pembalakan <i>Forestry & logging</i>	2021	4,396	2,794	1,603	15,018	431	2,313
	2020	4,195	2,493	1,702	18,858	452	1,809
	2019	5,182	3,104	2,078	21,227	634	2,160
	2018	5,556	3,347	2,209	22,096	652	2,262
	2017	5,779	3,495	2,283	22,642	653	2,378
Perikanan* <i>Fisheries</i>	2021	2,419	1,546	873	13,236	337	1,169
	2020 ^r	2,531	1,621	910	16,526	357	1,858
	2019	2,783	1,783	1,000	16,762	381	1,813
	2018	2,717	1,736	981	17,695	381	1,709
	2017	2,405	1,565	840	15,913	329	1,643

Nota / Note :^r Merujuk kepada data semakan semula

Refers to revised data

* Merujuk kepada semakan teknikal data sektor Pertanian bagi tahun 2017-2019

Refers to technical review of Agricultural sector data for the year 2017-2019

Jadual 2.2: Statistik Utama Sektor Perlombongan & Pengkuarian mengikut Subsektor, 2017-2021*Table 2.2: Principal Statistics of Mining & Quarrying Sector by Sub-sector, 2017-2021*

Sektor / Subsektor Sector / Sub-sector	Tahun Year	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap Value of fixed assets
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Perlombongan & pengkuarian <i>Mining & quarrying</i>	2021	155,964	30,905	125,059	60,983	7,165	283,088
	2020	121,921	26,900	95,021	61,083	7,922	238,995
	2019	162,324	33,220	129,103	67,325	8,456	333,445
	2018	165,718	33,583	132,134	67,021	8,453	345,597
	2017	151,388	31,554	119,835	66,964	8,139	318,733
Petroleum dan gas asli <i>Petroleum and natural gas</i>	2021	144,167	24,065	120,102	33,411	6,186	278,910
	2020	110,255	20,083	90,172	34,789	6,828	233,904
	2019	149,031	25,460	123,571	37,711	7,238	327,388
	2018	152,623	25,859	126,764	37,916	7,266	339,708
	2017	138,636	23,876	114,760	36,776	6,909	312,905
Perlombongan mineral dan pengkuarian <i>Mineral mining and quarrying</i>	2021	11,797	6,840	4,956	27,572	979	4,178
	2020	11,665	6,817	4,849	26,294	1,094	5,091
	2019	13,292	7,760	5,533	29,614	1,218	6,057
	2018	13,095	7,724	5,370	29,105	1,187	5,890
	2017	12,752	7,678	5,074	30,188	1,230	5,828

Jadual 2.3: Statistik Utama Sektor Pembuatan mengikut Subsektor, 2017-2021*Table 2.3: Principal Statistics of Manufacturing Sector by Sub-sector, 2017-2021*

Sektor / Subsektor Sector / Sub-sector	Tahun Year	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap Value of fixed assets
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Pembuatan <i>Manufacturing</i>	2021	1,609,320	1,254,200	355,120	2,303,494	89,510	375,767
	2020^r	1,371,054	1,061,193	309,861	2,246,765	86,676	371,645
	2019	1,378,013	1,058,857	319,156	2,282,558	86,744	371,968
	2018	1,331,285	1,023,979	307,306	2,242,364	81,760	353,771
	2017	1,275,758	981,714	294,044	2,214,883	74,881	335,704
Produk makanan <i>Food products</i>	2021	252,519	213,088	39,430	283,301	9,504	50,284
	2020 ^r	208,364	174,164	34,200	275,317	9,224	47,482
	2019	185,479	153,853	31,626	276,870	8,945	45,680
	2018	198,571	167,349	31,222	274,386	8,450	43,601
	2017	214,040	182,162	31,877	273,933	8,052	42,338
Minuman dan produk tembakau <i>Beverages and tobacco products</i>	2021	16,584	11,066	5,518	16,957	560	3,566
	2020 ^r	15,258	10,194	5,065	16,559	594	3,514
	2019	16,074	10,603	5,471	19,388	702	3,508
	2018	15,344	10,049	5,295	18,416	661	3,466
	2017	14,709	9,738	4,971	17,929	608	3,408
Produk tekstil, pakaian dan kulit <i>Textiles, wearing apparel and leather products</i>	2021	20,315	13,887	6,428	99,199	2,220	5,622
	2020 ^r	18,318	12,532	5,786	96,289	2,422	6,104
	2019	20,846	14,340	6,506	108,133	2,700	6,653
	2018	19,945	13,739	6,206	105,028	2,587	6,386
	2017	19,486	13,445	6,041	107,619	2,451	6,593

Nota / Note :^r Merujuk kepada data semakan semula

Refers to revised data

Jadual 2.3: Statistik Utama Sektor Pembuatan mengikut Subsektor, 2017-2021 (samb.)

Table 2.3: Principal Statistics of Manufacturing Sector by Sub-sector, 2017-2021 (cont'd)

Sektor / Subsektor Sector / Sub-sector	Tahun Year	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap Value of fixed assets
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	2021	76,144	55,446	20,697	303,543	8,488	25,963
	2020 ^r	69,682	50,416	19,265	296,044	8,470	26,278
	2019	76,588	55,667	20,921	308,411	9,084	26,738
	2018	71,950	52,029	19,921	306,957	8,767	25,510
	2017	67,359	48,356	19,003	301,212	8,477	25,805
Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic products</i>	2021	508,890	387,135	121,756	441,962	19,487	133,460
	2020 ^r	396,857	299,934	96,922	426,571	18,064	130,588
	2019	401,355	300,846	100,509	409,267	17,551	129,158
	2018	373,732	277,042	96,690	395,948	16,380	120,889
	2017	340,432	250,855	89,578	391,763	14,637	109,949
Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	2021	164,098	126,409	37,689	365,813	13,465	57,761
	2020 ^r	149,139	113,548	35,590	364,992	12,941	59,794
	2019	174,362	132,110	42,252	368,577	12,996	62,705
	2018	166,290	125,561	40,729	359,347	12,520	60,315
	2017	157,462	119,318	38,144	352,150	11,516	58,205
Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	2021	471,946	375,360	96,585	573,675	27,637	73,761
	2020 ^r	417,424	330,145	87,279	555,007	26,952	73,321
	2019	401,613	317,470	84,143	565,848	26,478	73,493
	2018	387,263	305,807	81,456	560,697	24,556	70,983
	2017	361,774	283,154	78,620	556,149	21,645	66,676

Nota / Note :^r Merujuk kepada data semakan semula

Refers to revised data

Jadual 2.3: Statistik Utama Sektor Pembuatan mengikut Subsektor, 2017-2021 (samb.)

Table 2.3: Principal Statistics of Manufacturing Sector by Sub-sector, 2017-2021 (cont'd)

Sektor / Subsektor Sector / Sub-sector	Tahun Year	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap Value of fixed assets
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	2021	98,825	71,809	27,016	219,044	8,149	25,350
	2020 ^r	96,012	70,259	25,753	215,986	8,009	24,564
	2019	101,697	73,968	27,729	226,064	8,288	24,033
	2018	98,191	72,403	25,788	221,585	7,839	22,622
	2017	100,495	74,685	25,810	214,127	7,494	22,730

Nota / Note :

^r Merujuk kepada data semakan semula
Refers to revised data

Jadual 2.4: Statistik Utama Sektor Pembinaan mengikut Subsektor, 2017-2021*Table 2.4: Principal Statistics of Construction Sector by Sub-sector, 2017-2021*

Sektor / Subsektor <i>Sector / Sub-sector</i>	Tahun <i>Year</i>	Nilai output kasar <i>Value of gross output</i>	Nilai input perantaraan <i>Value of intermediate input</i>	Nilai ditambah <i>Value added</i>	Jumlah pekerja <i>Total number of persons engaged</i>	Gaji & upah yang dibayar <i>Salaries & wages paid</i>	Nilai harta tetap <i>Value of fixed assets</i>
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Pembinaan <i>Construction</i>	2021	170,771	112,782	57,989	1,190,159	33,380	22,185
	2020 ^r	173,271	113,093	60,178	1,232,769	37,092	24,766
	2019	212,494	137,169	75,325	1,300,822	41,212	28,914
	2018	210,901	136,139	74,762	1,297,038	40,683	28,536
	2017	204,436	131,798	72,639	1,330,266	39,194	27,888
Bangunan kediaman <i>Residential buildings</i>	2021	38,014	25,112	12,902	279,976	7,063	3,962
	2020 ^r	41,454	26,979	14,476	287,893	8,388	4,386
	2019	46,489	29,832	16,657	298,588	9,343	4,655
	2018	47,519	30,577	16,941	295,035	9,222	4,908
	2017	50,519	32,957	17,563	331,851	9,714	5,017
Bangunan bukan kediaman <i>Non-residential buildings</i>	2021	38,890	24,737	14,152	273,843	7,406	4,785
	2020 ^r	38,184	24,307	13,876	284,217	8,396	5,184
	2019	43,703	28,122	15,581	305,661	9,110	5,439
	2018	46,579	29,940	16,639	312,952	9,206	5,531
	2017	48,016	30,518	17,498	337,838	9,589	6,172
Kejuruteraan awam <i>Civil engineering</i>	2021	43,244	29,470	13,774	344,548	10,772	7,958
	2020 ^r	53,646	35,592	18,054	354,765	11,412	8,997
	2019	78,656	50,783	27,872	378,982	13,104	12,158
	2018	73,215	47,217	25,998	372,503	12,723	11,332
	2017	63,740	40,792	22,949	349,765	11,222	9,892

Nota / Note :^r Merujuk kepada data semakan semula*Refers to revised data*

Jadual 2.4: Statistik Utama Sektor Pembinaan mengikut Subsektor, 2017-2021 (samb.)
Table 2.4: Principal Statistics of Construction Sector by Sub-sector, 2017-2021 (cont'd)

Sektor / Subsektor Sector / Sub-sector	Tahun Year	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap Value of fixed assets
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Pertukangan khas <i>Special trades</i>	2021	50,624	33,463	17,160	291,792	8,138	5,480
	2020 ^r	39,987	26,215	13,772	305,894	8,896	6,199
	2019	43,646	28,432	15,214	317,591	9,656	6,662
	2018	43,588	28,405	15,184	316,548	9,532	6,766
	2017	42,161	27,531	14,630	310,812	8,670	6,808

Nota / Note :

^r Merujuk kepada data semakan semula
Refers to revised data

Jadual 2.5: Statistik Utama Sektor Perkhidmatan mengikut Subsektor, 2017-2021

Table 2.5: Principal Statistics of Services Sector by Sub-sector, 2017-2021

Sektor / Subsektor Sector / Sub-sector	Tahun Year	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap Value of fixed assets
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Perkhidmatan* <i>Services</i>	2021	1,174,540	516,290	658,249	5,517,330	180,447	1,134,458
	2020^r	1,155,821	508,773	647,048	5,513,840	179,423	1,107,882
	2019	1,271,679	577,864	693,815	5,662,745	185,548	1,154,743
	2018	1,193,372	543,687	649,685	5,433,757	173,265	1,084,736
	2017	1,111,801	515,232	596,569	5,168,614	152,179	1,015,671
Bekalan elektrik, gas, wap dan pendingin udara* <i>Electricity, gas, steam and air conditioning supply</i>	2021	64,999	37,088	27,911	51,046	3,877	200,243
	2020 ^r	64,781	33,643	31,138	51,702	4,017	188,386
	2019	65,651	34,138	31,514	52,268	4,038	180,486
	2018	63,227	32,902	30,325	51,336	3,962	160,542
	2017	61,025	31,771	29,254	50,265	3,880	154,219
Bekalan air; pembetulan, pengurusan sisa dan aktiviti pemulihan <i>Water supply; sewerage, waste management and remediation activities</i>	2021	16,680	9,326	7,354	50,794	1,775	11,169
	2020	18,688	9,672	9,016	55,388	1,769	10,782
	2019	16,987	8,757	8,231	55,289	1,714	9,886
	2018	15,601	8,028	7,572	54,708	1,696	9,079
	2017	14,417	7,415	7,003	52,518	1,638	8,390

Nota / Note :^r Merujuk kepada data semakan semula

Refers to revised data

* Merujuk kepada semakan teknikal data sektor Perkhidmatan bagi tahun 2019

Refers to technical review of Services sector data for the year 2019

Jadual 2.5: Statistik Utama Sektor Perkhidmatan mengikut Subsektor, 2017-2021 (samb.)

Table 2.5: Principal Statistics of Services Sector by Sub-sector, 2017-2021 (cont'd)

Sektor / Subsektor Sector / Sub-sector	Tahun Year	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap Value of fixed assets
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	2021	406,896	151,357	255,538	2,151,997	70,078	140,189
	2020	386,962	145,097	241,865	2,092,940	68,010	132,671
	2019	410,455	155,725	254,731	2,099,742	67,932	144,164
	2018*	384,290	146,311	237,979	2,002,838	62,873	134,118
	2017	353,800	141,573	212,227	1,864,900	48,887	106,537
Pengangkutan dan penyimpanan <i>Transportation and storage</i>	2021	102,042	58,490	43,552	457,484	15,574	192,231
	2020	99,848	56,400	43,448	440,536	15,617	187,007
	2019	135,472	82,123	53,350	471,647	18,739	214,166
	2018	127,607	77,316	50,291	453,497	17,416	200,906
	2017	120,745	73,037	47,709	437,926	16,246	188,999
Penginapan <i>Accommodation</i>	2021	6,750	2,963	3,787	121,815	2,891	29,066
	2020	8,755	3,697	5,058	135,231	3,315	31,164
	2019	18,039	7,599	10,440	154,977	4,108	40,301
	2018	16,895	7,210	9,686	146,965	3,807	38,272
	2017	15,830	6,808	9,022	139,410	3,529	36,386
Makanan dan minuman <i>Food and beverages</i>	2021	78,484	44,219	34,265	968,717	14,719	9,770
	2020	84,359	47,831	36,528	996,714	15,106	10,532
	2019	104,577	59,552	45,025	1,050,824	15,619	12,044
	2018	92,916	53,181	39,735	1,003,131	13,796	11,433
	2017	82,775	47,541	35,234	958,803	12,222	10,802

Nota / Note :* Merujuk kepada tahun banci
Refers to census year

Jadual 2.5: Statistik Utama Sektor Perkhidmatan mengikut Subsektor, 2017-2021 (samb.)

Table 2.5: Principal Statistics of Services Sector by Sub-sector, 2017-2021 (cont'd)

Sektor / Subsektor Sector / Sub-sector	Tahun Year	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap Value of fixed assets
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Maklumat dan komunikasi <i>Information and communication</i>	2021	182,163	87,410	94,752	241,711	14,775	106,954
	2020	172,854	82,851	90,003	236,372	14,450	104,756
	2019	163,785	78,172	85,613	240,693	14,939	101,008
	2018	154,976	74,483	80,493	233,543	14,369	96,890
	2017	144,764	70,419	74,344	225,665	13,751	93,749
Kewangan <i>Finance</i>	2021	164,770	59,847	104,923	366,767	22,115	300,771
	2020	153,891	56,558	97,333	365,819	21,918	289,136
	2019	149,949	55,159	94,790	366,909	22,048	277,378
	2018	144,769	53,801	90,968	362,539	21,076	269,711
	2017	138,030	51,774	86,256	357,993	19,824	262,957
Hartanah <i>Real estate</i>	2021	27,637	10,047	17,590	94,122	3,392	83,321
	2020	31,200	11,192	20,008	95,394	3,494	87,170
	2019	37,846	13,752	24,094	98,542	3,705	103,947
	2018	35,193	12,875	22,318	93,141	3,462	96,200
	2017	32,782	12,076	20,706	88,191	3,242	89,799
Profesional, saintifik dan teknikal <i>Professional, scientific and technical</i>	2021	44,314	16,400	27,914	347,005	12,259	13,178
	2020	45,672	16,771	28,901	347,593	12,400	13,333
	2019	50,819	19,637	31,182	349,765	12,724	13,799
	2018	47,927	18,577	29,350	341,421	12,128	13,401
	2017	45,090	17,735	27,355	333,139	11,529	13,000

Jadual 2.5: Statistik Utama Sektor Perkhidmatan mengikut Subsektor, 2017-2021 (samb.)

Table 2.5: Principal Statistics of Services Sector by Sub-sector, 2017-2021 (cont'd)

Sektor / Subsektor Sector / Sub-sector	Tahun Year	Nilai output kasar Value of gross output	Nilai input perantara Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap Value of fixed assets
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Pentadbiran dan khidmat sokongan <i>Administrative and support service</i>	2021	18,098	8,483	9,615	198,961	5,019	8,412
	2020	24,198	13,091	11,107	204,290	5,112	12,203
	2019	38,165	23,252	14,913	210,092	5,314	14,029
	2018	35,703	21,717	13,986	202,326	5,051	13,566
	2017	33,433	20,341	13,092	194,008	4,780	13,052
Pendidikan swasta <i>Private education</i>	2021	18,822	7,305	11,517	154,998	5,477	18,227
	2020	19,075	7,410	11,665	154,978	5,474	18,365
	2019	20,051	7,737	12,315	154,898	5,437	18,602
	2018	18,784	7,229	11,556	149,918	5,169	17,548
	2017	17,579	6,751	10,829	144,958	4,902	16,433
Kesihatan swasta dan kerja sosial <i>Private health and social work</i>	2021	25,379	13,418	11,961	155,543	5,599	12,242
	2020	23,348	12,263	11,085	155,150	5,309	11,669
	2019	24,058	12,587	11,471	154,914	5,289	11,621
	2018	22,085	11,573	10,512	145,972	4,846	10,723
	2017	20,218	10,609	9,610	137,350	4,433	9,867
Kesenian, hiburan dan rekreasi <i>Arts, entertainment and recreation</i>	2021	11,038	6,560	4,479	43,574	1,234	4,934
	2020	14,644	8,499	6,145	61,214	1,621	6,754
	2019	25,299	14,394	10,905	70,089	1,850	8,829
	2018	23,651	13,523	10,128	66,630	1,700	8,141
	2017	22,297	12,736	9,562	63,506	1,563	7,518

Jadual 2.5: Statistik Utama Sektor Perkhidmatan mengikut Subsektor, 2017-2021 (samb.)

Table 2.5: Principal Statistics of Services Sector by Sub-sector, 2017-2021 (cont'd)

Sektor / Subsektor Sector / Sub-sector	Tahun Year	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap Value of fixed assets
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Perkhidmatan persendirian dan lain-lain aktiviti <i>Personal services and other activities</i>	2021	6,470	3,377	3,092	112,796	1,663	3,750
	2020	7,549	3,798	3,751	120,519	1,809	3,953
	2019	10,522	5,282	5,240	132,096	2,093	4,484
	2018	9,748	4,961	4,787	125,792	1,916	4,208
	2017	9,016	4,651	4,365	119,982	1,752	3,962

Jadual 3: Statistik Utama Keseluruhan Sektor Ekonomi mengikut Negeri, 2017-2021

Table 3: Principal Statistics of All Economic Sectors by State, 2017-2021

Negeri State	Tahun Year	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap Value of fixed assets
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Jumlah* Total	2021	3,211,910	1,959,801	1,252,109	9,568,649	318,616	1,894,451
	2020 ^r	2,904,294	1,746,035	1,158,258	9,608,704	319,481	1,838,287
	2019	3,094,592	1,838,744	1,255,847	9,884,847	330,706	1,994,971
	2018	2,971,536	1,768,739	1,202,798	9,623,388	313,070	1,918,489
	2017	2,817,420	1,694,206	1,123,213	9,379,796	283,214	1,784,108
Johor*	2021	362,565	259,698	102,867	1,180,599	34,695	154,458
	2020 ^r	326,929	227,787	99,142	1,202,333	34,912	161,424
	2019	339,781	235,659	104,122	1,266,712	36,765	169,603
	2018	335,125	233,393	101,732	1,286,941	36,349	155,857
	2017	320,134	224,987	95,148	1,270,819	33,336	145,124
Kedah*	2021	106,183	77,728	28,455	356,233	9,121	33,494
	2020 ^r	100,862	73,529	27,333	356,469	9,049	33,097
	2019	99,666	72,257	27,409	361,908	9,142	34,291
	2018	94,380	68,224	26,156	351,258	8,534	32,531
	2017	90,588	64,870	25,718	335,943	7,469	29,982

Nota / Note :^r Merujuk kepada data semakan semula

Refers to revised data

* Merujuk kepada semakan teknikal data bagi tahun 2017-2019

Refers to technical review of data for the year 2017-2019

Jadual 3: Statistik Utama Keseluruhan Sektor Ekonomi mengikut Negeri, 2017-2021 (samb.)*Table 3: Principal Statistics of All Economic Sectors by State, 2017-2021 (cont'd)*

Negeri State	Tahun Year	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap Value of fixed assets
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Kelantan*	2021	19,454	10,505	8,949	191,737	2,871	7,185
	2020 ^r	19,328	10,405	8,923	192,290	2,901	7,774
	2019	20,092	10,817	9,275	198,890	2,993	8,313
	2018	18,950	10,272	8,678	190,108	2,742	7,853
	2017	19,787	11,222	8,565	193,065	2,692	8,016
Melaka*	2021	121,808	93,709	28,098	274,097	8,356	42,821
	2020 ^r	112,165	85,167	26,998	277,973	8,295	41,085
	2019	124,308	94,235	30,073	285,848	8,481	43,525
	2018	118,869	90,332	28,537	279,378	8,009	41,447
	2017	110,710	83,711	26,999	266,422	7,107	38,740
Negeri Sembilan*	2021	128,838	100,514	28,324	294,992	8,347	31,863
	2020 ^r	108,769	82,732	26,037	298,409	8,360	34,313
	2019	116,015	88,176	27,839	307,085	8,619	35,227
	2018	109,387	82,558	26,829	300,204	8,187	33,753
	2017	101,099	75,920	25,179	294,849	7,576	30,019

Nota / Note :^r Merujuk kepada data semakan semula*Refers to revised data*

* Merujuk kepada semakan teknikal data bagi tahun 2017-2019

Refers to technical review of data for the year 2017-2019

Jadual 3: Statistik Utama Keseluruhan Sektor Ekonomi mengikut Negeri, 2017-2021 (samb.)

Table 3: Principal Statistics of All Economic Sectors by State, 2017-2021 (cont'd)

Negeri State	Tahun Year	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap Value of fixed assets
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Pahang*	2021	93,694	65,026	28,668	313,948	7,266	34,060
	2020 ^r	89,739	58,965	30,774	327,254	7,469	37,673
	2019	94,134	62,649	31,484	337,530	7,778	39,654
	2018	93,527	62,529	30,998	343,566	7,848	38,190
	2017	93,007	61,796	31,211	341,440	7,260	34,675
Pulau Pinang*	2021	311,745	225,367	86,378	719,988	26,329	79,903
	2020 ^r	274,443	195,663	78,781	711,040	26,010	80,071
	2019	273,361	193,119	80,242	717,896	26,400	82,043
	2018	261,731	185,651	76,080	700,568	24,590	78,143
	2017	246,876	173,734	73,142	675,511	21,934	73,862
Perak*	2021	126,610	83,215	43,395	552,723	13,826	49,394
	2020 ^r	111,965	70,684	41,281	558,105	13,617	54,510
	2019	110,155	69,792	40,364	568,334	13,854	55,270
	2018	105,563	67,358	38,205	548,855	12,995	52,928
	2017	99,980	64,295	35,685	530,999 ^r	11,513	49,320

Nota / Note :^r Merujuk kepada data semakan semula

Refers to revised data

* Merujuk kepada semakan teknikal data bagi tahun 2017-2019

Refers to technical review of data for the year 2017-2019

Jadual 3: Statistik Utama Keseluruhan Sektor Ekonomi mengikut Negeri, 2017-2021 (samb.)*Table 3: Principal Statistics of All Economic Sectors by State, 2017-2021 (cont'd)*

Negeri State	Tahun Year	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap Value of fixed assets
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Perlis*	2021	7,163	4,337	2,827	38,949	784	3,308
	2020 ^r	6,823	4,135	2,688	38,952	793	3,122
	2019	7,036	4,256	2,780	40,311	796	3,181
	2018	6,679	4,007	2,672	38,616	751	3,027
	2017	6,424	3,772	2,652	36,282	670	2,794
Selangor*	2021	844,109	529,795	314,315	2,572,362	97,508	417,823
	2020 ^r	756,734	464,867	291,867	2,536,776	96,475	408,814
	2019	796,624	485,169	311,455	2,601,794	100,305	430,202
	2018	754,086	461,947	292,139	2,502,085	94,013	408,765
	2017	716,197	441,739	274,458	2,404,158	83,746	384,706
Terengganu*	2021	60,119	38,815	21,305	187,875	4,553	32,732
	2020 ^r	55,231	35,053	20,178	190,530	4,641	34,804
	2019	68,632	43,494	25,138	200,331	4,825	37,136
	2018	65,571	41,095	24,476	193,611	4,543	35,066
	2017	61,476	38,090	23,386	189,227	4,096	30,104

Nota / Note :^r Merujuk kepada data semakan semula*Refers to revised data*

* Merujuk kepada semakan teknikal data bagi tahun 2017-2019

Refers to technical review of data for the year 2017-2019

Jadual 3: Statistik Utama Keseluruhan Sektor Ekonomi mengikut Negeri, 2017-2021 (samb.)*Table 3: Principal Statistics of All Economic Sectors by State, 2017-2021 (cont'd)*

Negeri State	Tahun Year	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap Value of fixed assets
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Sabah*	2021	140,005	67,380	72,625	584,575	12,230	100,064
	2020 ^r	118,231	61,736	56,495	609,501	13,102	94,387
	2019	135,786	65,444	70,342	642,135	13,737	123,138
	2018	137,475	67,323	70,152	623,806	13,013	123,178
	2017	133,024	68,489	64,566	588,635	11,555	106,291
Sarawak*	2021	300,209	152,385	147,824	610,895	17,855	212,890
	2020 ^r	226,669	119,173	107,496	611,048	17,388	176,551
	2019	250,483	127,431	123,051	623,333	18,051	202,430
	2018	243,302	122,533	120,769	608,739	17,427	202,749
	2017	232,566	119,979	112,587	615,300	16,125	192,010

Nota / Note :

^r Merujuk kepada data semakan semula
Refers to revised data

* Merujuk kepada semakan teknikal data bagi tahun 2017-2019
Refers to technical review of data for the year 2017-2019

Jadual 3: Statistik Utama Keseluruhan Sektor Ekonomi mengikut Negeri, 2017-2021 (samb.)*Table 3: Principal Statistics of All Economic Sectors by State, 2017-2021 (cont'd)*

Negeri State	Tahun Year	Nilai output kasar Value of gross output	Nilai input perantaraan Value of intermediate input	Nilai ditambah Value added	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid	Nilai harta tetap Value of fixed assets
		(RM juta) (RM million)	(RM juta) (RM million)	(RM juta) (RM million)		(RM juta) (RM million)	(RM juta) (RM million)
Wilayah Persekutuan**	2021	544,450	244,646	299,804	1,680,369	71,916	561,701
	2020 ^r	553,765	249,786	303,980	1,688,421	73,281	541,741
	2019	598,699	277,458	321,240	1,722,206	75,539	547,818
	2018	565,834	262,544	303,290	1,644,791	70,594	516,198
	2017	531,426	253,631	277,762	1,626,611	64,830	484,558
Supra***	2021	44,960	6,683	38,276	9,305	2,959	132,756
	2020 ^r	42,640	6,353	36,287	9,602	3,188	128,922
	2019	59,821	8,789	51,032	10,533	3,422	183,141
	2018	61,060	8,976	52,084	10,860	3,476	188,804
	2017	54,127	7,972	46,155	10,533	3,305	173,908

Nota / Note :**^r Merujuk kepada data semakan semula***Refers to revised data**** Merujuk kepada semakan teknikal data bagi tahun 2017-2019***Refers to technical review of data for the year 2017-2019***** Termasuk Wilayah Persekutuan Kuala Lumpur, Labuan dan Putrajaya***Includes Federal Territory of Kuala Lumpur, Labuan and Putrajaya****** Merangkumi aktiviti pengeluaran yang melangkaui pusat kepentingan ekonomi utama bagi mana-mana negeri***Comprises of production activities that beyond the centre of predominant economic interest for any state*

Jadual 4: Statistik Utama Sektor Ekonomi mengikut Negeri, 2021
Table 4: Principal Statistics of Economic Sectors by State, 2021

Negeri State	Sektor Sector	Nilai output kasar Value of gross output (RM juta) (RM million)	Nilai input perantara Value of intermediate input (RM juta) (RM million)	Nilai ditambah Value added (RM juta) (RM million)	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid (RM juta) (RM million)	Nilai harta tetap Value of fixed assets (RM juta) (RM million)
Jumlah Total	Pertanian Agriculture	101,316	45,623	55,692	496,683	8,115	78,953
	Perlombongan & pengkuarian Mining & quarrying	155,964	30,905	125,059	60,983	7,165	283,088
	Pembuatan Manufacturing	1,609,320	1,254,200	355,120	2,303,494	89,510	375,767
	Pembinaan Construction	170,771	112,782	57,989	1,190,159	33,380	22,185
	Perkhidmatan Services	1,174,540	516,290	658,249	5,517,330	180,447	1,134,458
Johor	Pertanian Agriculture	12,972	6,682	6,290	58,048	1,116	9,678
	Perlombongan & pengkuarian Mining & quarrying	2,567	1,645	922	4,290	157	550
	Pembuatan Manufacturing	256,664	206,187	50,477	452,311	15,664	66,147
	Pembinaan Construction	17,050	11,435	5,616	151,194	3,839	3,512
	Perkhidmatan Services	73,312	33,750	39,562	514,756	13,919	74,571

Jadual 4: Statistik Utama Sektor Ekonomi mengikut Negeri, 2021 (samb.)*Table 4: Principal Statistics of Economic Sectors by State, 2021 (cont'd)*

Negeri State	Sektor Sector	Nilai output kasar Value of gross output (RM juta) (RM million)	Nilai input perantara Value of intermediate input (RM juta) (RM million)	Nilai ditambah Value added (RM juta) (RM million)	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid (RM juta) (RM million)	Nilai harta tetap Value of fixed assets (RM juta) (RM million)
Kedah	Pertanian <i>Agriculture</i>	1,834	931	903	11,827	174	1,520
	Perlombongan & pengkuarian <i>Mining & quarrying</i>	109	64	45	627	21	19
	Pembuatan <i>Manufacturing</i>	82,822	66,385	16,437	119,745	4,358	19,448
	Pembinaan <i>Construction</i>	3,533	2,337	1,197	27,577	708	811
	Perkhidmatan <i>Services</i>	17,884	8,011	9,873	196,457	3,860	11,697
Kelantan	Pertanian <i>Agriculture</i>	1,120	477	643	9,712	155	922
	Perlombongan & pengkuarian <i>Mining & quarrying</i>	726	368	358	1,972	71	285
	Pembuatan <i>Manufacturing</i>	5,115	4,047	1,068	21,563	447	1,427
	Pembinaan <i>Construction</i>	2,584	1,632	952	15,346	396	228
	Perkhidmatan <i>Services</i>	9,909	3,981	5,928	143,144	1,801	4,323

Jadual 4: Statistik Utama Sektor Ekonomi mengikut Negeri, 2021 (samb.)*Table 4: Principal Statistics of Economic Sectors by State, 2021 (cont'd)*

Negeri State	Sektor Sector	Nilai output kasar Value of gross output (RM juta) (RM million)	Nilai input perantara Value of intermediate input (RM juta) (RM million)	Nilai ditambah Value added (RM juta) (RM million)	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid (RM juta) (RM million)	Nilai harta tetap Value of fixed assets (RM juta) (RM million)
Melaka	Pertanian <i>Agriculture</i>	5,450	3,542	1,908	8,646	201	2,621
	Perlombongan & pengkuarian <i>Mining & quarrying</i>	190	117	72	497	13	101
	Pembuatan <i>Manufacturing</i>	95,074	80,742	14,332	91,571	4,089	24,928
	Pembinaan <i>Construction</i>	2,004	1,305	698	19,616	499	640
	Perkhidmatan <i>Services</i>	19,091	8,003	11,088	153,766	3,553	14,530
Negeri Sembilan	Pertanian <i>Agriculture</i>	3,055	1,458	1,597	14,089	246	1,770
	Perlombongan & pengkuarian <i>Mining & quarrying</i>	354	188	166	883	31	132
	Pembuatan <i>Manufacturing</i>	100,500	85,138	15,363	83,920	3,663	17,197
	Pembinaan <i>Construction</i>	5,227	3,493	1,734	48,376	1,214	367
	Perkhidmatan <i>Services</i>	19,701	10,237	9,464	147,724	3,194	12,397

Jadual 4: Statistik Utama Sektor Ekonomi mengikut Negeri, 2021 (samb.)*Table 4: Principal Statistics of Economic Sectors by State, 2021 (cont'd)*

Negeri State	Sektor Sector	Nilai output kasar Value of gross output (RM juta) (RM million)	Nilai input perantara Value of intermediate input (RM juta) (RM million)	Nilai ditambah Value added (RM juta) (RM million)	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid (RM juta) (RM million)	Nilai harta tetap Value of fixed assets (RM juta) (RM million)
Pahang	Pertanian <i>Agriculture</i>	7,266	2,835	4,430	52,066	729	5,613
	Perlombongan & pengkuarian <i>Mining & quarrying</i>	1,991	1,157	833	3,345	122	622
	Pembuatan <i>Manufacturing</i>	59,264	48,707	10,557	49,856	1,954	17,968
	Pembinaan <i>Construction</i>	6,235	3,946	2,289	45,704	1,193	470
	Perkhidmatan <i>Services</i>	18,939	8,381	10,559	162,977	3,268	9,388
Pulau Pinang	Pertanian <i>Agriculture</i>	3,115	2,032	1,084	6,650	152	1,056
	Perlombongan & pengkuarian <i>Mining & quarrying</i>	277	167	110	886	28	80
	Pembuatan <i>Manufacturing</i>	238,112	188,167	49,945	308,981	15,271	42,978
	Pembinaan <i>Construction</i>	11,283	7,437	3,846	73,134	1,922	588
	Perkhidmatan <i>Services</i>	58,958	27,565	31,394	330,336	8,957	35,201

Jadual 4: Statistik Utama Sektor Ekonomi mengikut Negeri, 2021 (samb.)*Table 4: Principal Statistics of Economic Sectors by State, 2021 (cont'd)*

Negeri State	Sektor Sector	Nilai output kasar Value of gross output (RM juta) (RM million)	Nilai input perantara Value of intermediate input (RM juta) (RM million)	Nilai ditambah Value added (RM juta) (RM million)	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid (RM juta) (RM million)	Nilai harta tetap Value of fixed assets (RM juta) (RM million)
Perak	Pertanian <i>Agriculture</i>	7,733	4,077	3,656	38,517	635	5,156
	Perlombongan & pengkuarian <i>Mining & quarrying</i>	927	479	448	3,902	130	682
	Pembuatan <i>Manufacturing</i>	71,816	55,744	16,072	148,006	4,793	19,520
	Pembinaan <i>Construction</i>	6,912	4,323	2,590	63,227	1,717	822
	Perkhidmatan <i>Services</i>	39,221	18,592	20,629	299,072	6,551	23,215
Perlis	Pertanian <i>Agriculture</i>	78	44	34	309	5	21
	Perlombongan & pengkuarian <i>Mining & quarrying</i>	51	31	20	160	6	6
	Pembuatan <i>Manufacturing</i>	3,530	2,678	852	6,442	183	868
	Pembinaan <i>Construction</i>	316	213	103	4,842	88	13
	Perkhidmatan <i>Services</i>	3,188	1,370	1,818	27,196	502	2,400

Jadual 4: Statistik Utama Sektor Ekonomi mengikut Negeri, 2021 (samb.)
Table 4: Principal Statistics of Economic Sectors by State, 2021 (cont'd)

Negeri State	Sektor Sector	Nilai output kasar Value of gross output (RM juta) (RM million)	Nilai input perantaraan Value of intermediate input (RM juta) (RM million)	Nilai ditambah Value added (RM juta) (RM million)	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid (RM juta) (RM million)	Nilai harta tetap Value of fixed assets (RM juta) (RM million)
Selangor	Pertanian <i>Agriculture</i>	6,005	3,286	2,720	37,548	697	10,076
	Perlombongan & pengkuarian <i>Mining & quarrying</i>	4,135	2,052	2,083	12,878	538	959
	Pembuatan <i>Manufacturing</i>	432,682	331,155	101,527	720,600	28,454	79,624
	Pembinaan <i>Construction</i>	55,705	37,245	18,460	304,529	9,603	6,436
	Perkhidmatan <i>Services</i>	345,581	156,056	189,525	1,496,807	58,216	320,727
Terengganu	Pertanian <i>Agriculture</i>	1,519	710	809	21,008	195	1,364
	Perlombongan & pengkuarian <i>Mining & quarrying</i>	561	282	279	1,392	77	134
	Pembuatan <i>Manufacturing</i>	42,993	30,419	12,575	24,729	1,470	23,812
	Pembinaan <i>Construction</i>	4,845	3,023	1,822	32,264	1,010	329
	Perkhidmatan <i>Services</i>	10,202	4,381	5,821	108,483	1,802	7,094

Jadual 4: Statistik Utama Sektor Ekonomi mengikut Negeri, 2021 (samb.)*Table 4: Principal Statistics of Economic Sectors by State, 2021 (cont'd)*

Negeri State	Sektor Sector	Nilai output kasar Value of gross output (RM juta) (RM million)	Nilai input perantara Value of intermediate input (RM juta) (RM million)	Nilai ditambah Value added (RM juta) (RM million)	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid (RM juta) (RM million)	Nilai harta tetap Value of fixed assets (RM juta) (RM million)
Sabah	Pertanian <i>Agriculture</i>	20,585	7,258	13,328	156,675	2,076	16,928
	Perlombongan & pengkuarian <i>Mining & quarrying</i>	34,269	5,251	29,017	4,317	641	46,026
	Pembuatan <i>Manufacturing</i>	40,556	33,421	7,136	70,222	1,625	10,676
	Pembinaan <i>Construction</i>	9,341	6,179	3,163	64,399	1,608	1,372
	Perkhidmatan <i>Services</i>	35,254	15,272	19,982	288,962	6,281	25,062
Sarawak	Pertanian <i>Agriculture</i>	30,577	12,288	18,289	81,480	1,732	22,226
	Perlombongan & pengkuarian <i>Mining & quarrying</i>	57,088	8,801	48,287	10,862	1,791	98,469
	Pembuatan <i>Manufacturing</i>	152,057	101,928	50,129	106,286	3,658	40,376
	Pembinaan <i>Construction</i>	14,510	9,020	5,490	90,912	2,523	2,816
	Perkhidmatan <i>Services</i>	45,977	20,348	25,629	321,355	8,152	49,002

Jadual 4: Statistik Utama Sektor Ekonomi mengikut Negeri, 2021 (samb.)*Table 4: Principal Statistics of Economic Sectors by State, 2021 (cont'd)*

Negeri State	Sektor Sector	Nilai output kasar Value of gross output (RM juta) (RM million)	Nilai input perantara Value of intermediate input (RM juta) (RM million)	Nilai ditambah Value added (RM juta) (RM million)	Jumlah pekerja Total number of persons engaged	Gaji & upah yang dibayar Salaries & wages paid (RM juta) (RM million)	Nilai harta tetap Value of fixed assets (RM juta) (RM million)
Wilayah Persekutuan**	Pertanian <i>Agriculture</i>	6	2	4	108	2	2
	Perlombongan & pengkuarian <i>Mining & quarrying</i>	7,761	3,619	4,142	5,667	581	2,268
	Pembuatan <i>Manufacturing</i>	28,134	19,483	8,650	99,262	3,881	10,799
	Pembinaan <i>Construction</i>	31,226	21,196	10,030	249,038	7,061	3,779
	Perkhidmatan <i>Services</i>	477,324	200,346	276,978	1,326,294	60,390	544,853
Supra***	Perlombongan & pengkuarian <i>Mining & quarrying</i>	44,960	6,683	38,276	9,305	2,959	132,756

Nota / Note :**** Termasuk Wilayah Persekutuan Kuala Lumpur, Labuan dan Putrajaya***Includes Federal Territory of Kuala Lumpur, Labuan and Putrajaya****** Merangkumi aktiviti pengeluaran yang melangkaui pusat kepentingan ekonomi utama bagi mana-mana negeri***Comprises of production activities that beyond the centre of predominant economic interest for any state*

BAHAGIAN 3
PART 3

Nota Teknikal
Technical Notes



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NOTA TEKNIKAL

1. SKOP DAN LIPUTAN

Penerbitan ini menggunakan data dari Survei Ekonomi Tahunan 2022 (tahun rujukan 2021). Survei ini mengumpul maklumat daripada pertubuhan berdaftar yang terlibat dalam sektor Pertanian, Perlombongan & pengkuarian, Pembuatan, Pembinaan dan Perkhidmatan. Klasifikasi industri merujuk kepada Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Ver.1.0 yang selaras dengan *International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4*. Statistik utama yang diterbitkan adalah output kasar, input perantaraan, nilai ditambah, bilangan pekerja, gaji & upah yang dibayar dan harta tetap. Liputan bagi keseluruhan sektor merangkumi 1,122 kategori industri seperti yang ditunjukkan pada **Jadual 1**.

Dalam survei ini, usahawan dalam sektor Pertanian yang hanya mendaftar dengan agensi-agensi kerajaan yang berkaitan bagi maksud menerima bantuan **TIDAK** diliputi kecuali pengusaha kelapa sawit.

Jadual 1: Kategori industri mengikut sektor

Sektor	Bilangan Industri
Pertanian	140
Perlombongan & pengkuarian	56
Pembuatan	259
Pembinaan	72
Perkhidmatan	595
Jumlah	1,122

2. SUMBER RANGKA STATISTIK

Sumber utama rangka statistik pertubuhan adalah daripada *Malaysia Statistical Business Register (MSBR)*. MSBR adalah senarai pertubuhan/perusahaan yang beroperasi di Malaysia yang merangkumi Daftar Syarikat (ROC), Daftar Perniagaan (ROB) dan Perkongsian Liabiliti Terhad (LLP) yang berdaftar dengan Suruhanjaya Syarikat Malaysia (SSM) serta pertubuhan yang berdaftar dengan pihak berkuasa tempatan dan badan profesional. Senarai di MSBR dikemaskini secara berkala berdasarkan survei dan bancian yang dijalankan oleh Jabatan Perangkaan Malaysia dan sumber data pentadbiran daripada agensi lain. Sumber utama data pentadbiran

adalah daripada Suruhanjaya Syarikat Malaysia (SSM). Selain itu, DOSM juga bekerjasama untuk mendapatkan maklumat terkini daripada agensi lain seperti Kumpulan Wang Simpanan Pekerja (KWSP), Jabatan Kastam Diraja Malaysia, Lembaga Hasil Dalam Negeri (LHDN), pihak berkuasa tempatan dan badan profesional.

Rangka dikemaskini untuk mengambil kira pertubuhan baru dan sebarang perubahan yang berlaku kepada pertubuhan tersebut seperti tutup, tidak beroperasi, perubahan jenis aktiviti dan lokasi/ alamat pos untuk memastikan maklumat yang terdapat dalam rangka adalah yang paling terkini.

3. 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 dan mengikut Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Versi 1.0 yang diselaraskan dengan *International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4, United Nations* dan pengubahsuaian mengikut keperluan tempatan.

4. KONSEP DAN DEFINISI

Definisi yang diguna pakai dalam penerbitan ini berasaskan kepada MSIC 2008 Versi 1.0. Definisi tersebut adalah termasuk aktiviti berikut:

4.1 Pertanian

Pertanian merangkumi aktiviti penanaman, pemeliharaan dan penternakan haiwan dan pengeluaran produk haiwan, penebangan kayu balak dan tanaman lain serta perikanan tangkapan dan akuakultur termasuk penggunaan sumber semulajadi tumbuh-tumbuhan dan haiwan. Terdapat empat subsektor iaitu tanaman, ternakan, perhutanan & pembalakan dan perikanan.

- 4.1.1 Tanaman** merujuk kepada penanaman dan pengeluaran produk tanaman termasuk pertanian organik. Tanaman juga meliputi penanaman tanaman tidak kekal dan kekal merangkumi penanaman tumbuh-tumbuhan untuk tujuan pengeluaran benih;
- 4.1.2 Ternakan** merujuk kepada binatang atau unggas yang dipelihara untuk tujuan komersil dan pembiakbakaan. Pengeluaran ternakan termasuk penternakan (ladang) dan pembiakan semua haiwan serta pengeluaran daripada hasil ternakan seperti telur, susu, madu dan sebagainya;
- 4.1.3 Perhutanan** dan pembalakan termasuk pengeluaran kayu balak untuk industri berasaskan kayu, meliputi pengestrakan dan pengumpulan produk hutan bukan kayu yang tumbuh liar. Selain pengeluaran kayu balak, aktiviti perhutanan yang menghasilkan produk melalui proses minima seperti kayu api, kayu arang, reja kayu dan kayu balak yang digunakan dalam bentuk yang belum diproses. Aktiviti ini boleh dijalankan dalam hutan asli dan ladang hutan. Ia juga termasuk sebahagian daripada aktiviti operasi perhutanan berdasarkan bayaran atau secara kontrak; dan
- 4.1.4 Perikanan** termasuk perikanan tangkapan dan akuakultur meliputi penggunaan sumber perikanan daripada laut, air payau atau air tawar dengan tujuan menangkap dan mengumpul ikan, krustasia, moluska dan organism & produk laut lain. Akuakultur ialah proses pengeluaran yang melibatkan pengkulturan (termasuk tuaian) organisma akuatik menggunakan teknik yang direka bentuk untuk meningkatkan pengeluaran organisma tersebut melebihi kapasiti persekitaran semulajadi.

4.2 Perlombongan & pengkuarian

Perlombongan dan pengkuarian termasuk pengekstrakan mineral yang terjadi secara semulajadi seperti pepejal (batu arang dan bijih), cecair (petroleum) atau gas (gas asli). Pengekstrakan boleh dijalankan melalui pelbagai kaedah

seperti perlombongan bawah tanah atau dedah, pengoperasian telaga, perlombongan dasar laut dan lain-lain.

4.2.1 Perlombongan adalah ditakrifkan sebagai pengekstrakan, pembersihan dan pemanfaatan mineral-mineral semulajadi, berbentuk pepejal seperti batu arang dan bijih, cecair seperti minyak mentah dan berbentuk gas seperti gas asli. Perlombongan termasuk lombong bawah tanah dan lombong permukaan, kuari dan telaga-telaga dan semua kegiatan tambahan untuk pembersihan dan pemanfaatan bijih dan mineral mentah lain seperti pemecahan, penapisan, pembasuhan, pembersihan, penggredan, pengilangan, pengapungan, peleburan, penggentelan, pengkacipan dan persiapan-persiapan lain yang diperlukan bagi menyediakan bahan-bahan ini untuk membolehkannya dipasarkan. Aktiviti perlombongan juga dikelaskan kepada kumpulan-kumpulan berdasarkan mineral utama yang dikeluarkan.

4.2.2 Pengkuarian merujuk kepada aktiviti pengekstrakan dari lombong atau kuari dan pengorekan mendapan lanar (aluvium), pemecahan batu dan penggunaan garam paya. Produk ini digunakan dengan meluas dalam sektor pembinaan (cth. pasir, batu, dll.), pembuatan bahan mentah (cth. tanah liat, gipsum, kalsium, dll.), pembuatan bahan kimia, dll.

Ia termasuk pengkuarian, pemotongan kasar bongkah batu dan batu bangunan seperti marmar, granit, batu pasir, dll, pengkuarian, pemecahan dan pemotongan batu kapur, perlombongan gipsum dan anhidrit, perlombongan kapur dan dolomit, pengekstrakan dan pengorekan pasir industri, pasir untuk pembinaan dan kerikil, memecah dan menghancurkan batu dan kerikil, pengkuarian pasir dan perlombongan tanah liat, refraktori tanah liat dan kaolin.

Ia juga termasuk perlombongan mineral kimia dan baja, pengekstrakan tanah gambut, pengekstrakan garam, dan dll.

4.2.3 Petroleum dan gas asli merujuk kepada pengeluaran petroleum mentah, perlombongan dan pengekstrakan minyak daripada minyak batu syal dan pasir minyak dan pengeluaran gas asli dan perolehan semula cecair hidrokarbon. Ia termasuk keseluruhan aktiviti pengoperasian dan/ atau pembangunan kelengkapan lapangan minyak dan gas, termasuklah aktiviti seperti penggerudian, penyiapan dan melengkapkan telaga, operasi pengasingan, pemisahan emulsi, peralatan penyahkelodak dan penyambungan aktiviti lapangan untuk petroleum mentah dan semua aktiviti dalam penyediaan minyak dan gas sehingga ke tempat penghantaran daripada pusat pengeluaran.

Ia juga termasuk aktiviti sokongan bagi pengekstrakan petroleum dan gas seperti perkhidmatan lapangan minyak dan gas, yang dibuat berdasarkan kontrak atau yuran, eksplorasi telaga minyak dan gas dan penggerudian ujian dan aktiviti penggorekan (*boring*).

4.3 Pembuatan

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

Pengelasan lapan (8) subsektor mengikut bahagian adalah seperti berikut:

Bahagian Keterangan	
Produk makanan	
10	Pembuatan produk makanan
Minuman dan produk tembakau	
11	Pembuatan minuman
12	Pembuatan produk tembakau
Produk tekstil, pakaian dan kulit	
13	Pembuatan tekstil
14	Pembuatan pakaian
15	Pembuatan produk kulit dan barangan berkaitan
Produk kayu, perabot, keluaran kertas dan percetakan	
16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman

17	Pembuatan kertas dan produk kertas
18	Percetakan dan penerbitan semula media rakaman
31	Pembuatan perabot
Produk petroleum, kimia, getah dan plastik	
19	Pembuatan kok dan produk petroleum bertapis
20	Pembuatan kimia dan produk kimia
21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani
22	Pembuatan produk getah dan plastik
Produk mineral bukan logam, logam asas & produk logam yang direka	
23	Pembuatan produk galian bukan logam lain
24	Pembuatan logam asas
25	Pembuatan produk logam, kecuali mesin dan kelengkapan
Produk elektrik, elektronik dan optikal	
26	Pembuatan komputer, produk elektronik dan optikal
27	Pembuatan kelengkapan elektrik
28	Pembuatan jentera dan peralatan t.t.t.l.
Peralatan pengangkutan, pembuatan lain dan pembaikan	
29	Pembuatan kenderaan bermotor, treler dan semi treler
30	Pembuatan kelengkapan pengangkutan lain
32	Pembuatan lain
33	Pembaikan dan pemasangan mesin dan kelengkapan

Pengelasan empat (4) subsektor utama adalah seperti berikut:

Produk makanan, minuman dan tembakau

- Subsektor produk makanan
- Subsektor minuman dan produk tembakau

Produk petroleum, kimia, getah dan plastik

- Subsektor produk petroleum, kimia, getah dan plastik

Produk elektrik, elektronik dan optikal

- Subsektor produk elektrik, elektronik dan optikal

Produk pembuatan lain

- Subsektor produk tekstil, pakaian dan kulit
- Subsektor produk kayu, perabot, keluaran kertas dan percetakan
- Subsektor produk mineral bukan logam, logam asas dan produk logam yang direka
- Subsektor peralatan pengangkutan, pembuatan lain dan pembaikan

4.4 Pembinaan

Pembinaan baru, pengubahsuaian, pembaikan dan perobohan. Pemasangan sebarang jenis jentera atau peralatan yang dipasang ketika pembinaan asal adalah diambil kira, demikian juga bagi pemasangan jentera atau peralatan selepas pembinaan asal tetapi memerlukan perubahan struktur bagi pemasangannya.

4.5 Perkhidmatan

Perkhidmatan berkaitan Bekalan elektrik, gas, wap & pendinginan udara; Bekalan air; pembetulan, pengurusan sisa & aktiviti pemulihan; Perdagangan Borong & runcit; Pengangkutan & penyimpanan; Maklumat & komunikasi; Penginapan; Makanan & minuman; Kewangan; Hartanah; Profesional, saintifik & teknikal; Pentadbiran & khidmat sokongan; Pendidikan swasta; Kesihatan swasta & kerja sosial; Kesenian, hiburan & rekreasi dan Perkhidmatan persendirian & lain-lain aktiviti.

4.5.1 **Bekalan elektrik, gas, wap & pendingin udara** adalah ditakrifkan sebagai aktiviti pembekalan tenaga elektrik, gas asli, wap, air panas dan seumpamanya melalui satu infrastruktur (rangkaian) tetap bagi talian, saluran utama dan paip. Dimensi rangkaian ini tidak dapat ditentukan; juga termasuk pengagihan elektrik, gas, wap, air panas dan seumpamanya di kawasan perindustrian atau bangunan tempat kediaman. Oleh itu, seksyen ini termasuk operasi utiliti elektrik dan gas yang menjana, mengawal dan mengagih tenaga elektrik atau gas. Juga termasuk bekalan wap dan pendinginan udara;

4.5.2 **Bekalan air; pembetulan, pengurusan sisa & aktiviti pemulihan** meliputi aktiviti yang berkaitan dengan pengurusan sisa termasuk pungutan, perawatan dan pelupusan seperti sisa terjadual, sisa pepejal dan air sisa daripada perindustrian dan isi rumah, termasuk juga pemulihan bahan dan tapak yang tercemar. Hasil sisa daripada proses perawatan boleh dilupus atau menjadi input kepada proses pengeluaran yang lain. Aktiviti yang berkaitan dengan perawatan dan bekalan air juga dimasukkan dalam sektor ini;

- 4.5.3 **Perdagangan borong & runcit** merangkumi perdagangan borong, perdagangan runcit, dan kenderaan bermotor;
- 4.5.4 **Pengangkutan & penyimpanan** meliputi pertubuhan yang menyediakan perkhidmatan darat, pengangkutan muatan melalui jalan raya, pengangkutan darat lain, pengangkutan air, penggudangan & aktiviti sokongan seperti pengoperasian terminal, tempat letak kereta, pengoperasian lebuh raya, pengoperasian pelabuhan, pengendalian kargo/ pemunggahan, agensi perkapalan & penghantaran serta lain-lain aktiviti sokongan perkhidmatan pengangkutan;
- 4.5.5 **Maklumat & komunikasi** terdiri daripada aktiviti penerbitan, penerbitan wayang gambar, video & program televisyen, rakaman bunyi & penerbitan muzik, pemrograman & penyiaran, perkhidmatan telekomunikasi, pengaturcaraan komputer, perundingan & aktiviti yang berkaitan dan perkhidmatan maklumat;
- 4.5.6 **Perkhidmatan penginapan** merujuk kepada penyediaan tempat penginapan jangka pendek berbayar, sama ada dibuka kepada orang awam atau terhad kepada ahli sebuah pertubuhan tertentu. Ianya tidak termasuk penyewaan tempat tinggal berperabot jangka panjang yang dikelaskan dalam Hartanah;
- 4.5.7 **Perkhidmatan makanan & minuman** termasuk perkhidmatan makanan & minuman yang menyediakan hidangan atau minuman lengkap untuk penggunaan segera, sama ada di restoran tradisional, restoran layan diri atau bawa pulang, yang didirikan secara kekal atau sementara, dengan atau tiada kemudahan tempat duduk;
- 4.5.8 **Perkhidmatan kewangan** adalah meliputi aktiviti perantaraan kewangan; aktiviti perkhidmatan kewangan lain dan aktiviti sokongan kepada perkhidmatan kewangan; aktiviti insurans/ takaful, insurans/ takaful semula dan tabungan pencen & hemat; dan aktiviti sokongan kepada insurans/ takaful dan tabungan pencen;

- 4.5.9 **Perkhidmatan hartanah** termasuk tindakan seperti pemberi pajak, ejen dan/ atau broker di dalam satu atau lebih daripada yang berikut: penjualan atau pembelian hartanah, penyewaan hartanah, penyediaan perkhidmatan hartanah lain seperti penilaian hartanah, pengurusan hartanah atau bertindak sebagai ejen hartanah eskrow. Aktiviti dalam bahagian ini mungkin dijalankan di atas hartanah milikan sendiri atau pajakan dan mungkin berlaku atas dasar bayaran atau kontrak. Termasuk juga pembangunan struktur, berserta mengekalkan hak milik atau pajakan bagi struktur tersebut;
- 4.5.10 **Perkhidmatan profesional, saintifik & teknikal** termasuk aktiviti profesional khusus, saintifik & teknikal yang memerlukan tahap latihan yang tinggi dan menjadikan pengetahuan dan kemahiran khusus tersedia kepada pengguna. Aktiviti yang dijalankan termasuk aktiviti guaman & perakaunan, aktiviti ibu pejabat, aktiviti perundingan pengurusan, aktiviti arkitek & kejuruteraan, ujian & analisis teknikal, penyelidikan & pembangunan saintifik, pengiklanan & penyelidikan pasaran, professional lain, aktiviti saintifik & teknikal dan veterinar;
- 4.5.11 **Perkhidmatan pentadbiran & khidmat sokongan** termasuk pelbagai aktiviti yang menyokong operasi am perniagaan meliputi aktiviti sewaan & pajakan, aktiviti pekerjaan, agensi pengembaraan, operator pelancongan & aktiviti perkhidmatan penempahan lain, aktiviti keselamatan & penyiasatan, aktiviti perkhidmatan bangunan & lanskap dan aktiviti pengurusan pejabat, sokongan pejabat & perniagaan lain;
- 4.5.12 **Perkhidmatan pendidikan swasta** merujuk kepada pertubuhan yang berdaftar dengan Kementerian Pendidikan Malaysia dan Kementerian Pengajian Tinggi yang menyediakan perkhidmatan pelajaran akademik, vokasional dan perdagangan. Aktiviti yang diliputi dalam kumpulan ini ialah pendidikan pra sekolah & pendidikan rendah, pendidikan menengah, pendidikan tinggi, pendidikan lain dan perkhidmatan sokongan lain;

4.5.13 **Perkhidmatan kesihatan swasta & kerja sosial** meliputi aktiviti hospital, aktiviti amalan perubatan & pergigian, aktiviti kesihatan dan kemanusiaan lain, aktiviti rumah penjagaan, dan aktiviti kerja sosial tanpa penginapan;

4.5.14 **Perkhidmatan kesenian, hiburan & rekreasi** termasuk pelbagai aktiviti bagi memenuhi minat orang awam dalam aktiviti kebudayaan, hiburan dan rekreasi meliputi persembahan secara langsung, operasi muzium, perjudian, sukan dan aktiviti rekreasi; dan

4.5.15 **Perkhidmatan persendirian & lain-lain aktiviti** termasuk aktiviti keahlian organisasi, aktiviti organisasi keahlian perniagaan, majikan & profesional, aktiviti kesatuan buruh, aktiviti keahlian organisasi lain, pembaikan komputer & barangan persendirian dan isi rumah dan aktiviti perkhidmatan seperti basuhan dan cucian kering tekstil dan produk berbulu; dandanan rambut dan penjagaan kecantikan lain; dan pengebumian dan aktiviti perkhidmatan lain.

5. TAHUN SURVEI

Tahun survei adalah merujuk kepada tahun pelaksanaan survei.

6. TAHUN RUJUKAN

Tahun rujukan bagi penerbitan ini adalah tahun takwim 2021.

7. KAEDAH PENGUMPULAN DATA

Survei ini secara umumnya dijalankan dengan menggunakan tiga (3) kaedah pengumpulan data iaitu kaedah atas talian melalui portal e-AES; kutipan data melalui e-mel, pos, faks & telefon; dan kutipan data secara bersemuka.

8. RANGKA PERSAMPELAN

Rangka pensampelan adalah melibatkan pertubuhan aktif berjumlah **1,227,356** pertubuhan.

9. REKA BENTUK PERSAMPELAN

Rangka pensampelan bagi survei ini adalah pensampelan rawak strata satu peringkat. Kategori industri dua (2), tiga (3), empat (4) dan lima (5) digit MSIC di peringkat negeri telah diklasifikasikan sebagai strata manakala pertubuhan sebagai unit pensampelan.

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

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

10. SAIZ SAMPEL

Statistik utama yang digunakan untuk penganggaran saiz sampel adalah jumlah hasil. 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,

n	=	Saiz sampel
N_i	=	Saiz populasi bagi strata i
S_i^2	=	Varian bagi strata i
V	=	Varian sasaran

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

di mana,

$\hat{Y}_i$	=	Jumlah hasil 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:

$$n_{hi} = \left(\frac{N_h S_h}{\sum N_h S_h} \right) n'_i$$

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

$i = 1, 2, \dots k$

di mana,

n_{hi}	=	Saiz sampel bagi substrata h dalam strata i
N_h	=	Saiz populasi bagi substrata h
S_h	=	Sisihan piawaian bagi substrata h
n_i	=	Saiz sampel bagi strata i
h	=	Substrata
i	=	Strata

Saiz sampel optimum bagi survei ini adalah **109,506** pertubuhan. Pertubuhan kategori besar diliputi sepenuhnya, manakala pertubuhan bagi substrata kedua hinggalah keempat dipilih secara rawak mengikut kaedah pensampelan bersistematik.

11. WAJARAN

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

Wajaran reka bentuk pensampelan pada substrata h adalah seperti berikut:

$$W_h = \frac{N_h}{n_h}, n = 1, \dots, 4$$

di mana,

$$\begin{aligned} N_h &= \text{Bilangan populasi bagi substrata } h \\ n_h &= \text{Bilangan sampel bagi substrata } h \end{aligned}$$

Wajaran tiada respons pada substrata h adalah seperti berikut:

$$NRW_h = \frac{1}{n'_h/n_h}, h = 1, \dots, 4$$

di mana,

$$\begin{aligned} n'_h &= \text{Bilangan sampel respons bagi substrata } h \\ n_h &= \text{Bilangan sampel bagi substrata } h \end{aligned}$$

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

$$W'_h = W_h \times NRW_h, h = 1, \dots, 4$$

di mana,

$$\begin{aligned} W_h &= \text{Wajaran reka bentuk persampelan pada substrata } h \\ NRW_h &= \text{Wajaran tiada respons pada substrata } h \end{aligned}$$

12. 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. Ia menjalankan satu jenis

subsektor ekonomi utama di satu tempat/ lokasi fizikal”. Setiap pertubuhan diberikan klasifikasi industri berdasarkan aktiviti utamanya dan bukannya mengikut aktiviti syarikat induk.

Setiap cawangan daripada organisasi yang mempunyai beberapa 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.

13. NILAI OUTPUT KASAR

13.1 Nilai output kasar **Pertanian** (tanaman, ternakan, perhutanan & pembalakan dan perikanan) dikirakan daripada item-item berikut:

- Jualan daripada hasil pertanian
- + Stok hasil pertanian (akhir)
- + Barangan dalam proses dan stok barangan siap (pembuatan sendiri) (akhir)
- + Jualan daripada hasil pertanian
- + Pendapatan daripada kerja pertanian yang dibuat untuk pihak lain
- + Pendapatan daripada hasil pertanian yang diproses
- + Nilai jualan daripada barangan/ bahan/ produk berkaitan pertanian yang dibeli untuk dijual semula tanpa proses selanjutnya
- + Pendapatan lain yang berkaitan dengan pertanian
- + Pendapatan daripada aktiviti pertanian lain
- + Kawasan perhutanan dikontrakkan kepada kontraktor (Perhutanan & Pembalakan sahaja)
- + Royalti, hakcipta, pelesenan dan yuran francais
- + Pendapatan daripada sewa
- + Pendapatan daripada agro pelancongan (Tanaman/ Ternakan/ Perikanan)

- + Nilai jualan barangan/ bahan bukan pertanian yang dibeli untuk dijual semula tanpa melalui proses selanjutnya
- + Semua pendapatan lain: Output
- + Perbelanjaan penyelidikan dan pembangunan (Dalam)
- Pendapatan daripada sewa: Tanah
- Stok hasil pertanian (awal)
- Barangan dalam proses dan stok barangan siap (pembuatan sendiri) (awal)
- Kos barangan/ bahan/ produk berkaitan dengan aktiviti pertanian yang dibeli untuk dijual semula tanpa melalui proses selanjutnya
- Kos barangan/ bahan yang dijual (barangan/ bahan bukan pertanian) yang dibeli untuk dijual semula tanpa melalui proses selanjutnya

13.2 Nilai output kasar **Perlombongan & pengkuarian, Pembuatan dan Pembinaan** ditakrifkan dengan memasukkan elemen berikut:

- Nilai jualan mineral/ produk kuari/ produk pembuatan dan nilai kerja pembinaan
- + Nilai barangan yang dijual dalam keadaan yang sama seperti dibeli
- Kos barangan yang dijual dalam keadaan yang sama seperti yang dibeli
- + Perbelanjaan modal ke atas binaan sendiri
- + Pendapatan daripada perkhidmatan perindustrian yang diberikan kepada orang lain
- + Pendapatan daripada kerja perindustrian lain
- + Penerimaan bayaran daripada skrap, tenaga elektrik, produk sisa, dll. yang dijual kepada orang lain
- + Penerimaan komisen dan brokeraj
- + Semua nilai output lain (seperti penerimaan perkhidmatan bukan perindustrian, misalnya bayaran pengurusan, sewa harta, dll.)
- + Stok akhir barangan siap
- Stok awal barangan siap
- + Stok akhir barangan sedang diproses
- Stok awal barangan sedang diproses
- + Perbelanjaan penyelidikan dan pembangunan (Dalam)

13.3 Nilai output kasar **Perkhidmatan** ditakrifkan dengan memasukkan perkara berikut:

- Pendapatan daripada perkhidmatan yang diberikan
- + Nilai jualan barangan yang dibeli untuk dijual semula
- + Perkhidmatan pengurusan
- + Komisen dan pembrokeran yang diterima
- + Yuran yang diterima daripada keahlian
- + Pendapatan daripada sewa yang diterima kecuali tanah
- + Pendapatan operasi lain
- + Cukai perkhidmatan dan caj perkhidmatan
- Nilai barang yang dibeli untuk dijual semula dalam keadaan sama seperti dibeli
- + Stok akhir
- Stok awal
- + Perbelanjaan penyelidikan dan pembangunan (Dalam)

14. NILAI INPUT PERANTARAAN

14.1 Nilai input perantaraan **Pertanian** (tanaman, ternakan, perhutanan & pembalakan dan perikanan) ditakrifkan dengan memasukkan unsur berikut:

- Kos bahan langsung yang digunakan dalam aktiviti pertanian
- + Jumlah bayaran ke atas kerja-kerja pertanian yang dibuat oleh pihak lain
- + Kos biji/ benih tanaman jangka pendek/ anak ternakan bukan baka
- + Perbelanjaan untuk aktiviti pertanian lain
- + Bahan dan bekas pembungkus yang digunakan
- + Bahan yang digunakan bagi pembaikan dan penyelenggaraan
- + Alat tulis dan bekalan pejabat yang digunakan
- + Air yang dibeli
- + Tenaga elektrik yang dibeli
- + Bahan pembakar, pelincir dan gas yang digunakan
- + Bayaran pembaikan dan penyelenggaraan semasa yang dibuat oleh pihak lain bagi harta tetap pertubuhan ini
- + Pengangkutan barangan (pengangkutan keluar)

- + Perbelanjaan perjalanan
- + Bayaran perakaunan, kesetiausahaan dan audit
- + Perbelanjaan pengiklanan dan promosi
- + Bayaran guaman
- + Bayaran perkhidmatan profesional lain
- + Bayaran pengurusan
- + Komisen dan bayaran agensi
- + Bayaran telekomunikasi
- + Bayaran pos (termasuk perkhidmatan kurier)
- + Caj bank
- + Premium insurans dibayar ke atas bangunan, jentera, alat pengangkutan dan barangan
- + Bayaran bagi perkhidmatan keselamatan
- + Bayaran pemprosesan data dan lain-lain perkhidmatan yang berkaitan dengan teknologi maklumat
- + Bayaran sewa (tidak termasuk bagi sewa untuk penggunaan tanah)
- + Perbelanjaan ke atas agro pelancongan
- + Bayaran royalti: Organisasi bukan kerajaan/ tajaan korporat
- + Cukai Barang dan Perkhidmatan pada pembelian bersih yang tidak boleh dituntut sebagai cukai input
- + Bayaran kepada pengarah tidak bekerja kerana kehadiran mereka dalam mesyuarat Lembaga Pengarah
- + Perbelanjaan lain: Input
- + Nilai pakaian percuma yang disediakan
- + Kos latihan kepada pekerja

14.2 Nilai input perantaraan **Perlombongan & pengkuarian, Pembuatan dan Pembinaan** ditakrifkan dengan memasukkan unsur berikut:

- Nilai bahan dan bekalan yang digunakan
- + Kos kerja perindustrian (memproses) yang dibuat oleh orang lain
- + Tenaga elektrik dan air yang dibeli
- + Nilai bahan pembakar, pelincir dan gas yang digunakan
- + Kos bahan yang digunakan bagi pembaikan dan penyelenggaraan harta tetap (termasuk pembayaran kepada pihak lain ke atas kerja ini)

- + Pembayaran terhadap perkhidmatan bukan perindustrian (termasuk bayaran bagi pengangkutan keluar barangan, perjalanan, pengurusan, bayaran perundangan, teknologi maklumat, pengiklanan, bank, pos, telekomunikasi, dll.)
- + Semua kos input lain (termasuk kos latihan dan nilai pakaian percuma yang disediakan kepada pekerja)

14.3 Nilai input perantaraan **Perkhidmatan** ditakrifkan dengan memasukkan unsur berikut:

- Pembelian barangan, bahan dan perkhidmatan
- + Premium insurans
- + Royalti dan bayaran paten
- + Caj bank
- + Pembelian elektrik dan air
- + Pembelian bahan pembakar, pelincir dan gas
- + Perbelanjaan penyelidikan dan pembangunan
- + Perbelanjaan pematuhan alam sekitar
- + Perbelanjaan operasi lain

15. NILAI DITAMBAH

Nilai ditambah adalah tambahan kepada nilai barangan dan perkhidmatan yang dikeluarkan oleh sesebuah pertubuhan. Nilai ditambah diperoleh daripada perbezaan antara nilai output kasar dengan nilai input perantaraan.

16. BILANGAN PEKERJA

Bilangan pekerja merujuk kepada bilangan orang yang bekerja pada bulan Disember atau pada tempoh pembayaran gaji terakhir bagi tahun rujukan. Bilangan orang yang bekerja dikategorikan seperti berikut:

16.1 Pemilik yang bekerja dan rakan niaga yang aktif

Kategori ini merujuk kepada semua pemilik perseorangan dan rakan niaga, sambilan atau sepenuh masa, yang bekerja dengan aktif dalam sesebuah pertubuhan itu. Justeru, ia tidak termasuk rakan niaga yang tidak aktif.

16.2 Pekerja keluarga tidak bergaji

Kategori ini meliputi semua ahli isi rumah kepada pemilik pertubuhan yang melaksanakan kerja tertentu (sepenuh masa atau sambilan) dan bekerja sekurang-kurangnya satu pertiga daripada waktu bekerja biasa yang diamalkan oleh pertubuhan berkenaan tanpa mendapat bayaran secara tetap, sama ada dalam bentuk wang tunai atau harta benda bagi kerja yang dilakukan. Biasanya pekerja berkenaan mendapat makanan, tempat tinggal dan bantuan lain sebagai sebahagian daripada ahli isi rumah pemilik tersebut dan terus mendapatnya sama ada ia bekerja atau tidak dalam pertubuhan itu.

16.3 Pekerja bergaji (sepenuh masa)

Ia merujuk kepada semua pekerja bergaji yang bekerja sekurang-kurangnya 6 jam sehari dan sekurang-kurangnya 20 hari sebulan.

16.4 Pekerja bergaji (sambilan)

Ia merujuk kepada semua pekerja bergaji yang bekerja kurang daripada 6 jam sehari dan/ atau kurang daripada 20 hari sebulan.

17. NILAI HARTA TETAP

Aset tetap ialah aset yang dihasilkan dan digunakan secara berulang kali atau berterusan dalam proses pengeluaran melebihi daripada setahun. Aset tetap termasuk struktur, mesin dan peralatan serta aset yang diusahakan seperti pokok atau haiwan yang digunakan berulang kali atau berterusan untuk menghasilkan produk lain seperti buah-buahan atau produk tenusu. Produk harta intelek seperti perisian atau seni asal yang digunakan dalam pengeluaran juga termasuk dalam aset tetap.

18. PEMBUNDARAN

Jumlah bagi angka komponen mungkin berbeza dengan jumlah besar disebabkan oleh pembundaran angka.

19. NEGERI SUPRA

Berdasarkan *System of National Accounts* (SNA) 2008, terdapat tiga jenis unit institusi iaitu yang mempunyai pusat kepentingan ekonomi dan kebanyakan aktiviti adalah di dalam lingkungan satu wilayah; unit pelbagai wilayah dengan pusat kepentingannya di beberapa wilayah tetapi bukan seluruh negara; dan unit yang beroperasi pada peringkat nasional, iaitu pusat kepentingannya tidak boleh dikaitkan dengan kedudukan geografi (negeri Supra). Negeri Supra pada peringkat negeri adalah bersamaan dengan organisasi luar wilayah pada peringkat nasional. Di Malaysia, Negeri Supra merangkumi aktiviti pengeluaran yang melangkaui pusat kepentingan ekonomi utama bagi mana-mana negeri.

20. KADAR PERTUMBUHAN TAHUNAN

Kadar pertumbuhan tahunan yang digunakan adalah merujuk kepada perbezaan bagi dua tempoh rujukan dan boleh juga dikira berdasarkan formula berikut:

$$y_t = y_0 (1 + r)^t$$

di mana,

$$r = \left[e^{\frac{1}{t} \ln\left(\frac{y_t}{y_0}\right)} - 1 \right] \times 100$$

di mana,

y_t	=	Nilai pada tahun semasa
y_0	=	Nilai pada tahun sebelum
t	=	Bilangan tahun, $y_t - y_0$
r	=	Kadar pertumbuhan tahunan

21. SEMAKAN DATA

Anggaran data AES bagi tahun 2017-2020 telah dibuat semakan semula berdasarkan aspek teknikal dan data tahunan yang telah dikemaskini.

22. SIMBOL DAN SINGKATAN

&	:	dan
%	:	peratus
dll.	:	dan lain-lain
RM	:	Ringgit Malaysia
t.t.t.l.	:	tidak terkelas di tempat lain
W.P.	:	Wilayah Persekutuan
-	:	tiada maklumat

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TECHNICAL NOTES

1. SCOPE AND COVERAGE

*This publication used data from Annual Economic Survey 2022 (reference year 2021). This survey collected an information from registered establishments in Agriculture, Mining & quarrying, Manufacturing, Construction and Services sectors. The classifications for industries was referring to Malaysia Standard Industrial Classification (MSIC) 2008 Ver. 1.0, in accordance with the International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4. Principal statistics published are gross output, intermediate input, value added, number of persons engaged, salaries & wages paid and fixed assets. The coverage for all sectors encompasses 1,122 category of industries as shown in **Table 1**.*

*In this survey, entrepreneurs in the Agriculture sector which registered with relevant government agencies for the purpose of receiving aid were **NOT** covered except palm oil's entrepreneurs.*

Table 1: Category of industries by sector

Sector	Category of Industries
Agriculture	140
Mining & quarrying	56
Manufacturing	259
Construction	72
Services	595
Total	1,122

2. SOURCE OF STATISTICAL FRAME

The main source of the establishment statistics frame 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 and professional bodies. The list in MSBR is updated regularly based on surveys and censuses conducted by the Department of Statistics Malaysia and administrative data sources from various agencies. The main source of

administrative data is from the Companies Commission of Malaysia (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, the Inland Revenue Board (IRB), local authorities and professional bodies.

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 most current status.

3. TYPE OF BUSINESS ACTIVITY

Type of business activity refers to both principal and secondary activities. The principal activity refers to the activity to which the establishment devoted most of its resources or activity which derived most of its income. Secondary activities are defined as those incidental or ancillary to the principal activity. The classification of the industry of the establishment is based on the principal activity and is in accordance with the Malaysia Standard Industrial Classification (MSIC) 2008 Ver. 1.0 conforms to the International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4, United Nations, with modifications to suit local conditions.

4. CONCEPTS AND DEFINITIONS

The definition adopted in this publication based on the recommendations of The MSIC 2008 Ver. 1.0. The definitions include the following activities:

4.1 Agriculture

Agriculture comprising the activities of growing, breeding and rearing of animals and production of animal products, felling of trees and other plants, as well as capture fishery and aquaculture includes the use/ utilisation of plants/ vegetal and animals natural resources. There are four sub-sectors; crops, livestock, forestry & logging and fisheries.

- 4.1.1 Crops** refer to production of crops products including organic farming. Crops also include the growing of non-perennial and perennial crops for the purpose of seed production;
- 4.1.2 Livestocks** refer to animals or bird that preserved for commercial and breeding purposes. Livestock production includes raising (farming) and breeding of all animals, also production of livestock products such as eggs, milk, honey, etc;
- 4.1.3 Forestry and logging** includes the production of round wood for the forest based manufacturing industries as well as the extraction and gathering of wild growing non-wood forest product. Besides the production of timber, forestry activities which produce the product through the minimum process, such as fire wood, charcoal, wood chips and round wood used in unprocessed form. These activities can be carried out in natural or forests plantation. This also includes part of the forestry operation based on fee or contract basis; and
- 4.1.4 Fisheries** comprise of fishing and aquaculture, covering the use of fishery resources from marine, brackish or freshwater, with the purpose of capturing or gathering fish, crustaceans, molluscs and other marine organisms and products. Aquaculture refer to the production process involving the culturing or farming (including harvesting) of aquatic organisms using techniques designed to increase the production of the organisms beyond the natural capacity of the environment.

4.2 Mining & quarrying

Mining and quarrying include the extraction of minerals occurring naturally as solids (coal and ores), liquids (petroleum) or gases (natural gas). Extraction can be achieved by different methods such as underground or surface mining, well operation, seabed mining, etc.

- 4.2.1 Mining** is defined as the extraction, dressing and beneficiating of minerals occurring naturally as solids, such as coal and ores; liquids,

such as crude oil; or gases, such as natural gas. Mining also includes underground and surface mines, quarries and wells and all supplemental activities for dressing and beneficiating ores and other crude minerals such as crushing, screening, washing, cleaning, grading, milling, flotation, melting, pelleting, topping and other preparations needed to render the material marketable. Mining activities are classified into groups on the basis of the principal mineral produced.

- 4.2.2 Quarrying** *refers to activity of extraction from a mine or quarry, but also dredging of alluvial deposits, rock crushing and the use of salt marshes. The products are used most notably in construction (e.g. sands, stones, etc.), manufacture of materials (e.g. clay, gypsum, calcium, etc.), manufacture of chemicals, etc.*

It includes quarrying, rough trimming and sawing of monumental and building stone such as marble, granite, sandstones, etc., quarrying, crushing and breaking of limestone, mining of gypsum and anhydrite, mining of chalk and unclaimed dolomite, extraction and dredging of industrial sand, sand for construction and gravel, breaking and crushing of stone and gravel, quarrying of sand and mining of clays, refractory clays and kaolin.

Activities of It also include mining of chemical and fertilizer minerals, extraction of peat, extraction of salt, etc.

- 4.2.3 Petroleum & natural gas** *refers to the production of crude petroleum, the mining and extraction of oil from oil shale and oil sands and the production of natural gas and recovery of hydrocarbon liquids. This includes the overall activities of operating and/ or developing oil and gas field properties, including such activities as drilling, completing and equipping wells, operating separators, emulsion breakers, desilting equipment and field gathering lines for crude petroleum and all other activities in the preparation of oil and gas up to the point of shipment from the producing property.*

It also includes support activities for petroleum and gas extraction, such as oil and gas field services, performed on a fee or contract basis, oil and gas well exploration and test drilling and boring activities.

4.3 Manufacturing

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.

The classification of eight (8) sub-sectors by division are as follows:

Division	Description
Food products	
10	Manufacture of food products
Beverages and tobacco products	
11	Manufacture of beverages
12	Manufacture of tobacco products
Textiles, wearing apparel and leather products	
13	Manufacture of textiles
14	Manufacture of wearing apparel
15	Manufacture of leather and related products
Wood products, furniture, paper products and printing	
16	Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials
17	Manufacture of paper and paper products
18	Printing and reproduction of recorded media
31	Manufacture of furniture
Petroleum, chemical, rubber and plastic products	
19	Manufacture of coke and refined petroleum products
20	Manufacture of chemicals and chemical products
21	Manufacture of basic pharmaceutical products and pharmaceutical preparations
22	Manufacture of rubber and plastics products
Non-metallic mineral products, basic metal & fabricated metal products	
23	Manufacture of other non-metallic mineral products
24	Manufacture of basic metals
25	Manufacture of fabricated metal products, except machinery and equipment

Electrical, electronic and optical products

- | | |
|----|--|
| 26 | Manufacture of computer, electronic and optical products |
| 27 | Manufacture of electrical equipment |
| 28 | Manufacture of machinery and equipment n.e.c. |

Transport equipment, other manufacturing and repair

- | | |
|----|--|
| 29 | Manufacture of motor vehicles, trailers and semitrailers |
| 30 | Manufacture of other transport equipment |
| 32 | Other manufacturing |
| 33 | Repair and installation of machinery and equipment |

The classification of four (4) main sub-sectors are as follows:

Food, beverages and tobacco products

- Food products sub-sector
- Beverages and tobacco products sub-sector

Petroleum, chemical, rubber and plastic products

- Petroleum, chemical, rubber and plastic products sub-sector

Electrical, electronic and optical products

- Electrical, electronic and optical products sub-sector

Other manufacturing products

- Textiles, wearing apparel and leather products sub-sector
- Wood products, furniture, paper products and printing sub-sector
- Non-metallic mineral products, basic metal and fabricated metal products sub-sector
- Transport equipment, other manufacturing and repair sub-sector

4.4 Construction

New construction, alteration, repair and demolition. Installation of any machinery or equipment which built-in at the time of the original construction is included, as well as installation of machinery or equipment after the original construction but which requires structural alteration in order to install.

4.5 Services

Services related to Electricity, gas, steam & air conditioning supply; Water supply; sewerage, waste management & remediation activities; Wholesale &

retail trade; Transportation & storage; Information & communication; Accommodation, Food & beverage; Finance; Real estate; Professional, scientific & technical; Administrative & support services; Private education; Private health & social work; Art, entertainment & recreation and Personal services & other activities.

4.5.1 Electricity, gas, steam & air conditioning supply are defined as an activity of providing electric power, natural gas, steam, hot water and the like through a permanent infrastructure (network) of lines, mains & pipes. The dimension of the network is not decisive; also included are the distribution of electricity, gas, steam, hot water and the like in industrial parks or residential buildings. This section therefore includes the operation of electric & gas utilities, which generate, control and distribute electric power or gas. Also included is the provision of steam & air-conditioning supply;

4.5.2 Water supply, sewerage, waste management & remediation activities comprised of activities related to waste management includes collection, treatment & disposal such as scheduled waste, solid waste & waste water from industrial and household, including recovery materials & contaminated sites. The waste from the treatment process can be disposed of or used as input for other production process. Related activities in water treatment and supply are also included in this sector;

4.5.3 Wholesale & retail trade encompass of wholesale and retail trades, sales and repair of motor vehicles & motorcycles;

4.5.4 Transportation & storage includes all establishment provides land transport, freight transport by road, other land transport, water transport, warehousing & supporting activities such as storage & warehousing, terminal operations, car parking services, highway operations, port operations, cargo handling/ stevedoring, shipping agencies & forwarding of freight and other supporting activities for transportation services;

- 4.5.5 **Information & communication** comprised activities of publishing, motion picture, video & television programme production, sound recording & music publishing, programming & broadcasting, telecommunication services, computer programming, consultancy & related activities and information services;
- 4.5.6 **Accommodation services** refer to the provision on a fee of short term lodging, whether open to the general public or restricted to members of a particular organisation. It excludes rental of long term furnished accommodation which is classified in Real Estate;
- 4.5.7 **Food & beverage services** include food & beverage serving activities providing complete meals or drinks fit for immediate consumption, whether in traditional restaurants, self-service or take-away restaurants, whether as permanent or temporary stands with or without seating;
- 4.5.8 **Financial services** include monetary intermediation activities; other financial service activities and activities auxiliary to financial services; insurance/ takaful, reinsurance/ retakaful and pension & provident funding activities; and activities auxiliary to insurance/ takaful and pension funding;
- 4.5.9 **Real estate services** include acting as lessors, agents and/ or brokers in one or more of the following: selling or buying real estate, renting real estate, providing other real estate services such as appraising real estate, property management or acting as real estate escrow agents. Activities in this division may be carried out on own or leased property and may be done on a fee or contract basis. Also included is the building of structures, combined with maintaining ownership of leasing of such structures;
- 4.5.10 **Professional, scientific & technical** includes specialised professional, scientific & technical activities which require a high degree of expertise and training, and specialised knowledge and skills available to users. Activities performed include legal & accounting

activities, activities of head offices, management consultancy activities, architecture & engineering activities, technical testing & analysis, scientific research & development, advertising & market research, other professional, scientific & technical activities and veterinary activities;

4.5.11 Administrative & support services include a variety of activities that support general business operations including rental & leasing activities, employment activities, travel agency, tour operator & other reservation service activities, security & investigation activities, services to building & landscape activities & office administrative, office support & other business support activities;

4.5.12 Private educational services refer to establishments registered with the Ministry of Education, Malaysia and the Ministry of Higher Education that provides academic, pre-primary & primary education, secondary education, higher education, other education and educational support activities;

4.5.13 Private health & social work services include hospital services, medical & dental practice activities, other human health activities, residential care activities and social work activities without accommodation;

4.5.14 Arts, entertainment & recreation services include a wide range of activities to meet varied cultural, entertainment & recreational interests of the general public, including live performances, operation of museum sites, gambling, sport and recreation activities; and

4.5.15 Personal services & other activities include activities of membership organisations, activities of business, employers and professional membership organisations, activities of trade unions, activities of others membership organisations, repair of computers and personal and household goods and others personal services activities such as washing and dry-cleaning of textiles and fur products;

hairdressing and other beauty treatment and funeral and other services activities.

5. SURVEY YEAR

Survey year refers to the year in which a survey was conducted.

6. REFERENCE YEAR

The reference year of the survey was the calendar year 2021.

7. METHOD OF DATA COLLECTION

This survey is generally conducted through three (3) methods of data collection, namely, online method through the e-AES portal; data collection via e-mail, post, fax and telephone; and face-to-face data collection.

8. SAMPLING FRAME

*From the identified population, sampling frame are covered **1,227,356** active establishments.*

9. SAMPLING DESIGN

Sampling design of the survey is a one-stage stratified random sampling. Categories of industries at two (2), three (3), four (4) and five (5) digit MSIC at state level have been classified as stratum and the establishment as the sampling unit.

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

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

10. SAMPLE SIZE

The main statistics used to estimate the sample size is the total revenue. 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,

n	=	Sample size
N_i	=	Population size for stratum i
S_i^2	=	Variance for stratum i
V	=	Desired variance

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

where,

$\hat{Y}_i$	=	Total revenues for stratum i
RSE	=	Relative standard error
Z	=	Value of confidence level

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

$$n_{hi} = \left(\frac{N_h S_h}{\sum N_h S_h} \right) n'_i$$

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

$i = 1, 2, \dots k$

where,

n_{hi}	=	Sample size for substratum h of stratum i
N_h	=	Population size for substratum h
S_h	=	Standard deviation for substratum h
n_i	=	Sample size for stratum i
h	=	Substratum
i	=	Stratum

The optimum sample size for this survey is **109,506** establishments. Establishments of the large categories were fully covered while establishments of the second to fourth substratum were randomly selected using systematic random sampling.

11. WEIGHTS

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

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

$$W_h = \frac{N_h}{n_h}, n = 1, \dots, 4$$

where,

N_h	=	Total population of substratum h
n_h	=	Total sample of substratum h

Non response weight at substratum h as below:

$$NRW_h = \frac{1}{n_h/n_h}, h = 1, \dots, 4$$

where,

n'_h = Number of respond sample size for substratum h

n_h = Number of sample size for substratum h

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

$$W'_h = W_h \times NRW_h, h = 1, \dots, 4$$

where,

W_h = Sampling design weight at substratum h

NRW_h = Non response weight at substratum h

12. REPORTING UNIT

The reporting unit used in the survey was **establishment**. An establishment is defined as “an economic unit that 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.

Each branch of a multi-branch organisation at a different location was conceptually treated as a different establishment. The establishment was requested to give separate returns for each activity in terms of value. However, if in practice, the accounts were centrally kept such that it was not possible to obtain separate data for each individual unit or branch, that entity or enterprise was treated as a single reporting unit and allowed to submit a consolidated questionnaire covering all units or branches.

13. VALUE OF GROSS OUTPUT

13.1 The value of gross output of **Agriculture** (crops, livestock, forestry & logging and fisheries) is defined to include the following items:

- Sales of agriculture product*
- + *Stocks of agricultural products (closing)*
- + *Goods in progress and stocks of finished goods (owned manufactured) (closing)*
- + *Sales from agricultural products*
- + *Income from agricultural work done for others*
- + *Income from products processed from agricultural*
- + *Value of sales from goods/ materials/ products related to agricultural activity that is purchased for resale without further processing*
- + *Other income related to agricultural*
- + *Income from other agricultural activities*
- + *Forestry area sub-contracted to contractors (Forestry & Logging only)*
- + *Royalties, copyrights, licensing and franchise fees*
- + *Rental income received*
- + *Income received from agro tourism (Crops/ Livestock/ Fisheries)*
- + *Value of sales from non-agricultural goods/ materials that is purchased for resale without further processing*
- + *All other income: Output*
- + *Research and development expenditure: In House*
- *Rental income received: Land*
- *Stocks of agricultural products (opening)*
- *Goods in progress and stocks of finished goods (owned manufacturing) (opening)*
- *Cost of goods/ materials/ products related to planting activity, purchased for resale without under going further processing*
- *Cost of goods/ materials sold (non-agricultural goods/ material that is purchased for resale without under going further processing)*

13.2 The value of gross output of **Mining & quarrying, Manufacturing and Construction** is defined to include the following items:

- Sale of mineral/ quarry products/ manufactured products and construction work done*
- + *Values of goods sold in the same condition as purchased*
- *Cost of goods sold in the same condition as purchased*
- + *Capital expenditure on own construction*

- + *Income from industrial services rendered to others*
- + *Income from industrial work done*
- + *Receipt from scrap, electricity, waste product, etc. sold to others*
- + *Receipt from commission and brokerage earned*
- + *All other output (such as receipts of non-industrial services, e.g. management fees received, income from rental of property, etc)*
- + *Closing stock of finished goods*
- *Opening stock of finished goods*
- + *Closing stock of goods being processed*
- *Opening stock of goods being processed*
- + *Research and development expenditure (In-house)*

13.3 The value of gross output of **Services** is defined to include the following items:

- Income from services rendered*
- + *Value of goods sold in the same condition as purchased*
- + *Management services*
- + *Commission and brokerage earned*
- + *Fees earned from membership*
- + *Rental income received except land rental*
- + *Other operating income*
- + *Service tax and services charges*
- *Value of goods purchased for resale in the same condition*
- + *Closing stocks*
- *Opening stocks*
- + *Research and development expenditure (In-house)*

14. VALUE OF INTERMEDIATE INPUT

14.1 Value of intermediate input of **Agriculture** (crops, livestock, forestry & logging and fisheries) is defined to include the following items:

- Cost of direct materials consumed in agricultural activities*
- + *Total payment on agricultural work done by other establishments*

- + *Cost of non-perennial crops seeds/ non-breeder livestock and fisheries*
- + *Expenditure for other agricultural activities*
- + *Packing materials consumed*
- + *Materials used for repairs and maintenance*
- + *Stationery and office supplies consumed*
- + *Water purchased*
- + *Electricity purchased*
- + *Fuel, lubricants and gas*
- + *Payments for current repairs and maintenance work done by others on this establishment's fixed assets*
- + *Transportation of goods (carriage outwards)*
- + *Travelling expenses*
- + *Accounting, secretarial and auditing fees*
- + *Advertising and promotional expenses*
- + *Legal fees*
- + *Payment for other professional services*
- + *Management fees*
- + *Commissions and agency fees*
- + *Telecommunication fees*
- + *Postage (include courier services)*
- + *Bank charges*
- + *Insurance premium on building, machinery, transport equipment and goods*
- + *Payment for security services*
- + *Payment for data processing and other services related to information technology*
- + *Rental payment (excludes for rent on land)*
- + *Expenses on agro tourism*
- + *Royalties paid to: Non-government organisations/ corporate sponsorship*
- + *GST on net purchasers are not claimable as input tax*
- + *Fees paid to non-working directors for their attendance at Board of Directors' meetings*

- + Other expenses: Input
- + Value of free wearing apparel provided
- + Staff training cost

14.2 The value of intermediate input of **Mining & quarrying, Manufacturing and Construction** is defined to include the following items:

- Value of materials and supplies consumed
- + Cost of industrial work done by others include stripping overburden (earth removal) and internal transport in mines/ quarries site
- + Electricity and water purchased
- + Value of fuels, lubricants and gas consumed
- + Cost of materials used for repairs and maintenance of assets (including payments to others for this work)
- + Payments for non-industrial services such as toll, ferry, pilotage, towage and harbor fees and charges (including payments for carriage outwards, travelling, management fees, legal services, information technology, advertising, bank chargers, postage, telecommunication, etc
- + All other input costs (including training and value of the free apparel provided for the workers)

14.3 The value of intermediate input of **Services** is defined to include the following items:

- Purchase of goods, materials and services
- + Insurance premiums
- + Royalty and patent fees
- + Bank charges
- + Purchase of electricity and water
- + Purchase of fuels, lubricants and gas
- + Research and development expenditure
- + Environmental compliance expenditure
- + Other operating expenditure

15. VALUE ADDED

Value added is the increment to the value of commodities and services contributed by the establishment. This value added is derived as the difference between the value of gross output and intermediate input.

16. NUMBER OF PERSONS ENGAGED

Employment covers all persons engaged during December or the last pay period of the reference year. The number of persons engaged was classified under the following categories:

16.1 Working proprietors and active business partners

This category refers to all individual proprietors and partners, part time or full time, who are actively engaged in the work of the establishment. Therefore, it excludes silent and inactive partners.

16.2 Unpaid family workers

This is defined as all persons (full-time or part-time) in the household of any of the owners of the establishment who perform a specified job and work for a minimum of one-third of the normal working time for the establishment, but do not receive regular payment either in cash or in-kind for the work done. Such workers generally receive food, shelter and other support as part of the household of an owner and continue to receive it whether they worked in the establishment or not.

16.3 Paid full-time employees

This is defined as all paid workers who work for at least 6 hours a day and at least 20 days a month.

16.4 Paid part-time employees

This is defined as all paid workers who work for less than 6 hours a day and/or less than 20 days a month.

17. VALUE OF FIXED ASSETS

Fixed assets are produced assets that are used repeatedly or continuously in production processes for more than one year. Fixed assets include structures, machinery and equipment and cultivated assets such as trees or animals that are used repeatedly or continuously to produce other products such as fruit or dairy products. It was also included intellectual property products such as software or artistic originals used in production.

18. ROUNDING

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

19. SUPRA STATE

Based on the System of National Accounts (SNA) 2008, there are three types of institutional units that have a center of economic interest and most activities are within one region; multi-provincial units with centers of interest in some provinces but not nationwide; and units operating at the national level, i.e. its center of interest cannot be associated with geographical position (Supra State). Supra State at the state level is equivalent to an overseas organisation at the national level. In Malaysia, Supra State covers production activities beyond the centre for the key economic interest of any state.

20. ANNUAL GROWTH RATE

The annual growth rate used refers to the difference between two reference periods and can be calculated based on the following formula:

$$y_t = y_0 (1 + r)^t$$

where,

$$r = \left[e^{\frac{1}{t} \ln\left(\frac{y_t}{y_0}\right)} - 1 \right] \times 100$$

where,

y_t	=	Value of current year
y_0	=	Value of previous year
t	=	Number of years, $y_t - y_0$
r	=	Annual growth rate

21. DATA REVISED

The AES data estimates for the year 2017-2020 has been revised based on the technical aspect and updated annual estimates.

22. SYMBOLS AND ABBREVIATIONS

&	:	and
%	:	per cent
etc.	:	et cetera
RM	:	Ringgit Malaysia
n.e.c.	:	not elsewhere classified
W.P.	:	Wilayah Persekutuan
-	:	no information

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