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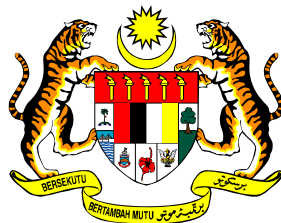
AKAUN NEGARA P E R A N G K A A N STOK MODAL

NATIONAL ACCOUNTS
CAPITAL STOCK
STATISTICS

2021



JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA



JABATAN PERDANA MENTERI
JABATAN PERANGKAAN MALAYSIA

AKAUN NEGARA PERANGKAAN STOK MODAL

NATIONAL ACCOUNTS CAPITAL STOCK STATISTICS

2021

Pemakluman

Jabatan Perangkaan Malaysia (DOSM) sedang menjalankan Survei Pendapatan, Perbelanjaan Isi Rumah dan Kemudahan Asas (HIES/BA) 2022 bermula dari 1 Januari 2022 sehingga 31 Disember 2022. DOSM amat menghargai kerjasama daripada responden yang terpilih untuk memberikan maklumat kepada DOSM serta menjayakan survei ini. Sila layari www.dosm.gov.my untuk maklumat lanjut.

Penerbitan statistik ekonomi dan sosial iaitu PocketStats yang mengandungi statistik suku tahunan dan tahunan boleh diperoleh dari portal DOSM atau melalui pautan https://bit.ly/PocketStats_2022.

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) is conducting the Household Income, Expenditure and Basic Amenities Survey (HIES/BA) 2022 from 1st January 2022 until 31st December 2022. DOSM greatly appreciates the cooperation given by selected respondents by sharing their information with DOSM and making the survey a success. Please visit www.dosm.gov.my for more information.

Economic and social statistics publication namely PocketStats which contain quarterly and annual statistics can be obtained from the DOSM portal or via the link https://bit.ly/PocketStats_2022.

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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Pengguna yang mengeluarkan sebarang maklumat dari terbitan ini sama ada yang asal atau diolah semula hendaklah meletakkan kenyataan berikut:

“Sumber: Jabatan Perangkaan Malaysia.”

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KATA PENGANTAR

Penerbitan ini membentangkan statistik Perangkaan Stok Modal di Malaysia bagi tahun 2021. Statistik ini meliputi Stok Modal Kasar, Stok Modal Bersih, Stok Modal Produktif dan Penggunaan Modal Tetap yang mencerminkan aset tetap terkumpul bagi menganggarkan produktiviti modal serta potensi output masa hadapan. Ia diterbitkan secara tahunan pada harga semasa dan harga malar 2015 dan disusun berdasarkan rangka kerja *Measuring Capital OECD Manual* 2009 dan *System of National Accounts* 2008.

Bahagian pertama penerbitan ini memaparkan penemuan utama, ringkasan penemuan dan rencana manakala jadual statistik yang komprehensif adalah di bahagian kedua. Aspek teknikal seperti definisi, metodologi dan sumber data dijelaskan di bahagian ketiga bagi memudahkan pengguna memahami statistik yang diterbitkan.

Jabatan Perangkaan Malaysia merakamkan setinggi-tinggi penghargaan atas kerjasama dan sumbangan yang diberikan oleh semua pihak dalam menjayakan penerbitan ini. Pandangan dan cadangan ke arah penambahbaikan penerbitan ini pada masa hadapan amatlah dihargai.

DATO' SRI DR. MOHD UZIR MAHIDIN

Ketua Perangkawan Malaysia

Oktober 2022

PREFACE

This publication presents on Capital Stock Statistics in Malaysia for 2021. These statistics consists of Gross Capital Stock, Net Capital Stock, Productive Capital Stock and Consumption of Fixed Capital which reflects accumulated fixed assets to estimate capital productivity and future output potential. The statistics are published annually at current and constant 2015 prices and are compiled based on the framework of the Measuring Capital OECD Manual 2009 and the System of National Accounts 2008.

The first part of this publication features the main findings, a summary of the findings and an article while comprehensive statistical table are in the second section. The technical aspects such as definitions, methodologies and data sources are explained in the third section to facilitate users' understanding of the published statistics.

The Department of Statistics, Malaysia gratefully wishes the utmost appreciation towards all the parties concerned for their cooperation in realising this publication. Feedbacks and suggestions towards the improvement of future publications are highly appreciated.

DATO' SRI DR. MOHD UZIR MAHIDIN

Chief Statistician Malaysia

October 2022

SINGKATAN ABBREVIATIONS

ABS	: Australian Bureau of Statistics
b	: billion / billion
BCI	: Building Material Cost Index
BLS	: United States Bureau of Labor Statistics
CAGR	: Compound Annual Growth Rate
COFC	: Consumption of Fixed Capital
CPI	: Consumer Price Index
ETP	: Economic Transformation Programme
FDI	: Foreign Direct Investment
GDP	: Gross Domestic Product
GFCF	: Gross Fixed Capital Formation
GKS	: Gross Capital Stock
<i>i.e.</i>	: <i>that is</i>
IHP	: Indeks Harga Pengguna
IHPR	: Indeks Harga Pengeluar
IKB	: Indeks Kos Bahan Binaan Bangunan
IKS	: Industri Kecil dan Sederhana
KDNK	: Keluaran Dalam Negeri Kasar
MCO	: Movement Control Order
MOF	: Ministry of Finance
MPC	: Malaysia Productivity Corporation
NKS	: Net Capital Stock
OECD	: Organisation for Economic Co-operation and Development
PIM	: Perpetual Inventory Method
PKP	: Perintah Kawalan Pergerakan
PKS	: Productive Capital Stock
PMT	: Penggunaan Modal Tetap
PMTK	: Pembentukan Modal Tetap Kasar
PPI	: Producer Price Index
RM	: Ringgit Malaysia
SDG	: Sustainable Development Goals
SMB	: Stok Modal Bersih
SMK	: Stok Modal Kasar
SMP	: Stok Modal Produktif
SNA	: System of National Accounts
TFP	: Total Factor Productivity

SIMBOL SYMBOLS

..	: tidak berkenaan / <i>Not applicable</i>
e	: anggaran / <i>estimate</i>
p	: permulaan / <i>preliminary</i>
0.0	: nilai kurang daripada 0.05 / <i>values less than 0.05</i>
-	: negatif / <i>negative</i>
%	: peratus / <i>per cent</i>

NOTA NOTE

Penjumlahan angka komponen mungkin tidak bersamaan dengan angka jumlah kecil atau jumlah besar disebabkan pembundaran.

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

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PERANGKAAN STOK MODAL 2021

SMK

STOK MODAL KASAR

Pelaburan terkumpul aset tetap

2.48%
(2020: 2.66%)



1.78%
(2020: 1.81%)



SMB

STOK MODAL BERSIH

Kekayaan ekonomi Malaysia



RM5.30 trilion

(2020: RM5.17 trilion)



RM3.28 trilion

(2020: RM3.22 trilion)

Sumbangan SMB mengikut jenis aset



Struktur

80.7%
(2020: 80.2%)



Jentera dan peralatan

11.0%
(2020: 11.4%)



Aset lain

8.3%
(2020: 8.4%)

Perkhidmatan

68.2%



Struktur

87.2%



Jentera dan peralatan

8.6%



Aset lain

4.2%

Sumbangan SMB

mengikut jenis aktiviti ekonomi dan jenis aset

17.0%

Perlombongan dan pengkuarian



Struktur

76.4%



Jentera dan peralatan

4.3%



Aset lain

19.3%

Pembinaan

1.0%



Struktur

51.9%



Jentera dan peralatan

44.6%



Aset lain

3.5%



Struktur

59.0%



Jentera dan peralatan

30.6%



Aset lain

10.4%

Pertanian

2.1%



Struktur

41.2%



Jentera dan peralatan

16.5%



Aset lain

42.3%



CAPITAL STOCK STATISTICS 2021

GKS

GROSS CAPITAL STOCK

The accumulated investment of fixed assets

2.48%
(2020: 2.66%)



1.78%
(2020: 1.81%)



NKS

NET CAPITAL STOCK

The wealth of Malaysia's economy



RM5.30 trillion

(2020: RM5.17 trillion)



RM3.28 trillion

(2020: RM3.22 trillion)

Share of NKS by type of assets



Structure

80.7%

(2020: 80.2%)



Machinery and equipment

11.0%

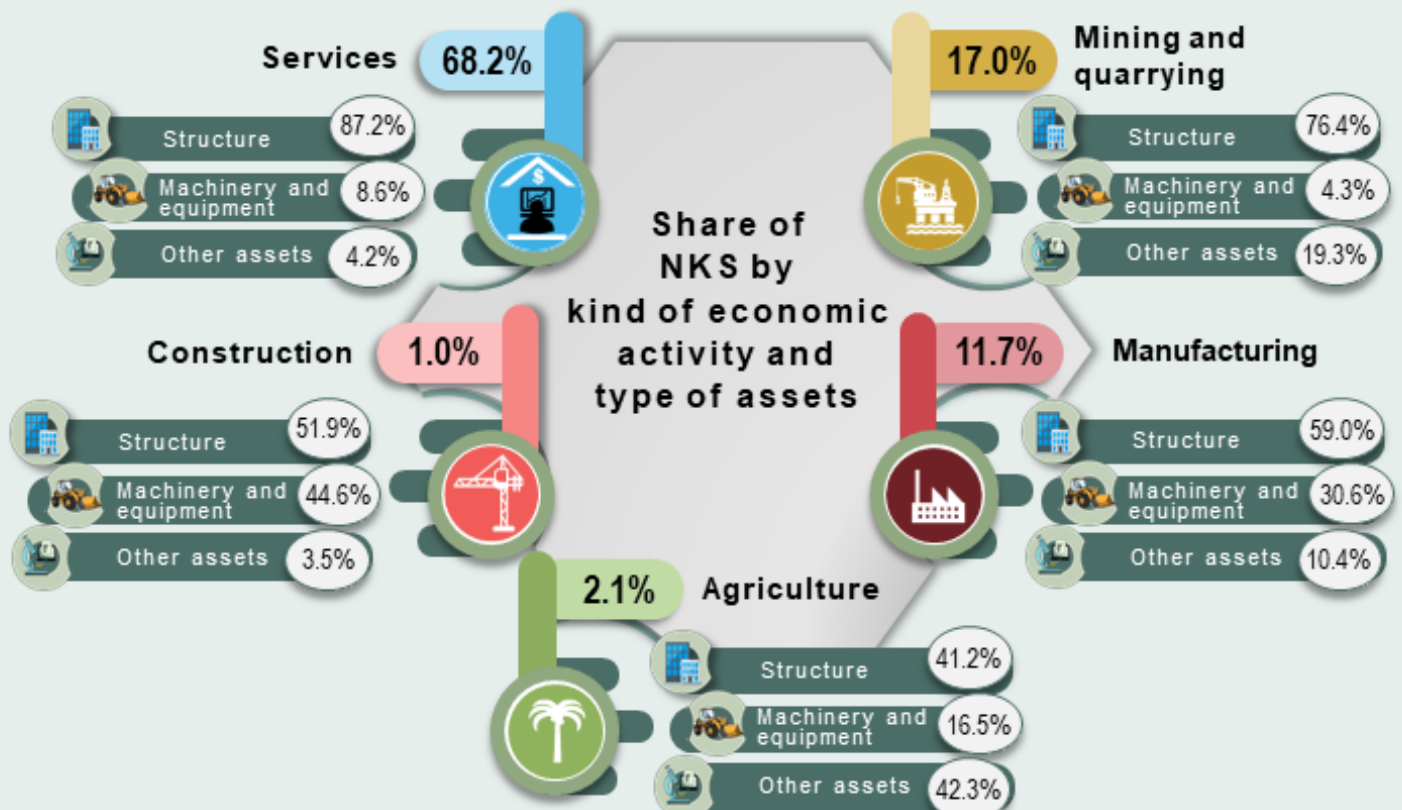
(2020: 11.4%)



Other assets

8.3%

(2020: 8.4%)



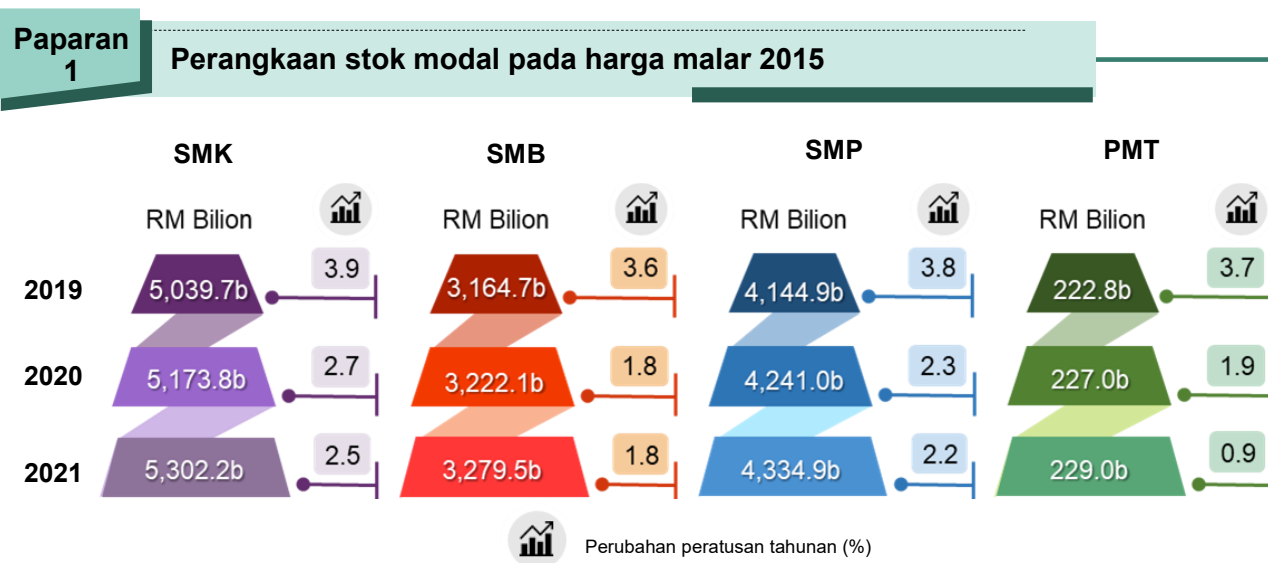
Source : National Accounts Capital Stock Statistics 2021, Department of Statistics, Malaysia (DOSM)

RINGKASAN PENEMUAN

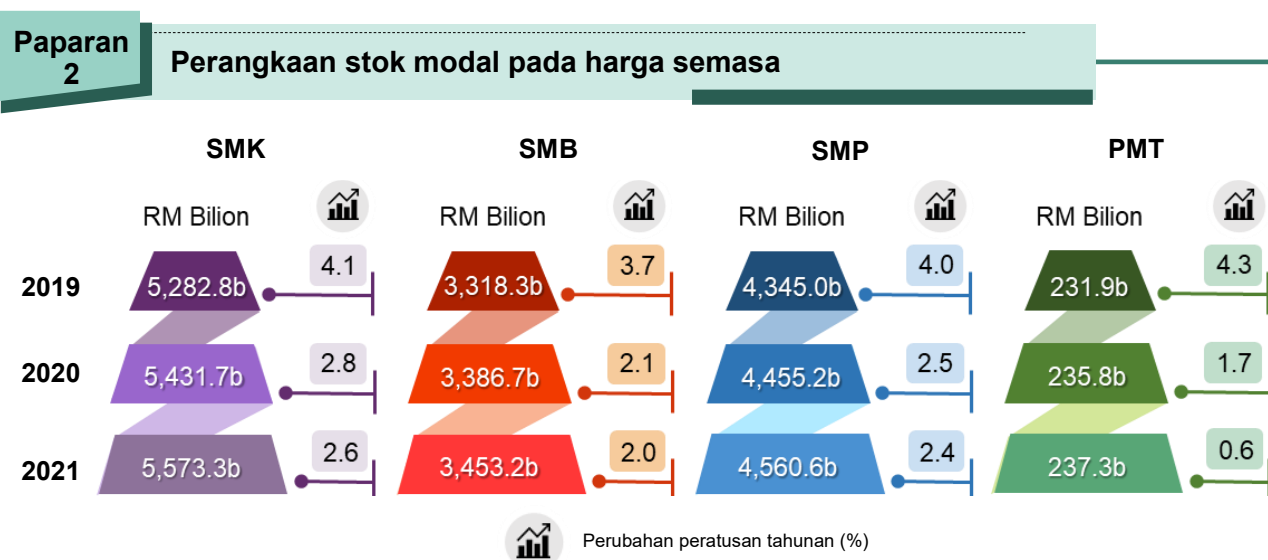
PERANGKAAAN STOK MODAL

Penerbitan ini menyediakan maklumat perangkaan stok modal di Malaysia bagi tahun 2021. Perangkaan ini terdiri daripada Stok Modal Kasar (SMK), Stok Modal Bersih (SMB), Stok Modal Produktif (SMP) dan Penggunaan Modal Tetap (PMT). Data dibentangkan mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa dan harga malar 2015.

SMK yang mencerminkan pelaburan terkumpul aset tetap dalam negara mencatatkan RM5.3 trilion dengan pertumbuhan 2.5 peratus pada tahun 2021. Manakala, SMB yang menggambarkan kekayaan ekonomi Malaysia meningkat kepada RM3.3 trilion dengan pertumbuhan 1.8 peratus. SMP yang mengukur aset produktif pula merekodkan RM4.3 trilion berbanding RM4.2 trilion pada tahun sebelumnya. Sementara itu, PMT yang menunjukkan nilai aset yang digunakan dalam proses pengeluaran pada tahun 2021 berjumlah RM229.0 bilion dengan pertumbuhan 0.9 peratus (**Paparan 1**).



SMK pada harga semasa tumbuh 2.6 peratus dengan mencatatkan nilai RM5.6 trilion. SMB merekodkan RM3.5 trilion dengan pertumbuhan 2.0 peratus, manakala SMP bertumbuh 2.4 peratus dengan nilai RM4.6 trilion. PMT pula mencatatkan nilai RM237.3 bilion (**Paparan 2**).



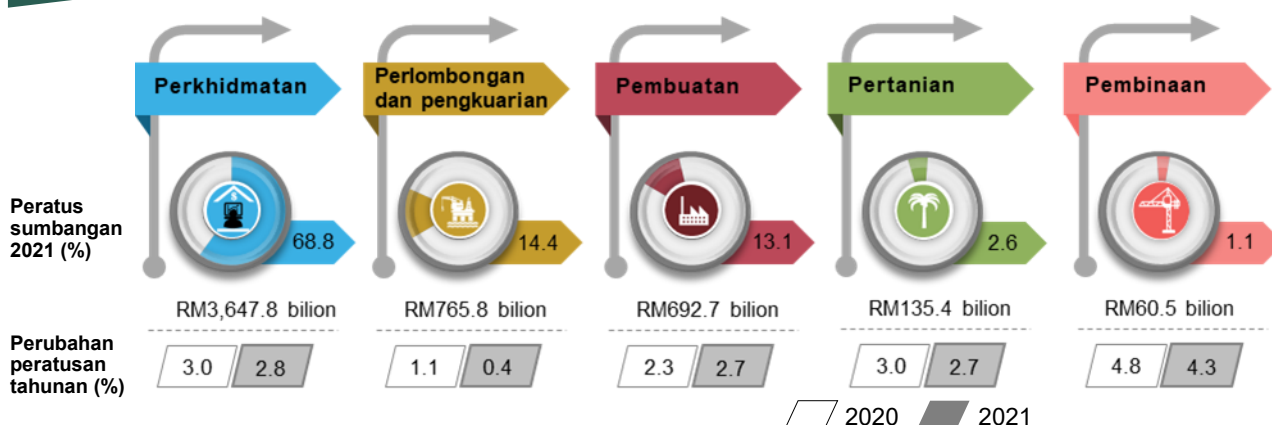
PRESTASI STOK MODAL KASAR

Jenis Aktiviti Ekonomi

SMK menjana RM5.3 trilion pada tahun 2021 meningkat sebanyak RM128.4 bilion berbanding tahun sebelumnya dengan pertumbuhan 2.5 peratus. Semua sektor mencatatkan trend positif dalam perolehan aset tetap, dipacu oleh sektor Perkhidmatan (2.8%) dan Pembuatan (2.7%). Sektor Perkhidmatan yang mendominasi ekonomi negara menyumbang sebanyak 68.8 peratus diikuti oleh sektor Perlombongan & pengkuarian (14.4%) dan Pembuatan (13.1%) (**Paparan 3**).

Paparan 3

SMK mengikut jenis aktiviti ekonomi pada harga malar 2015

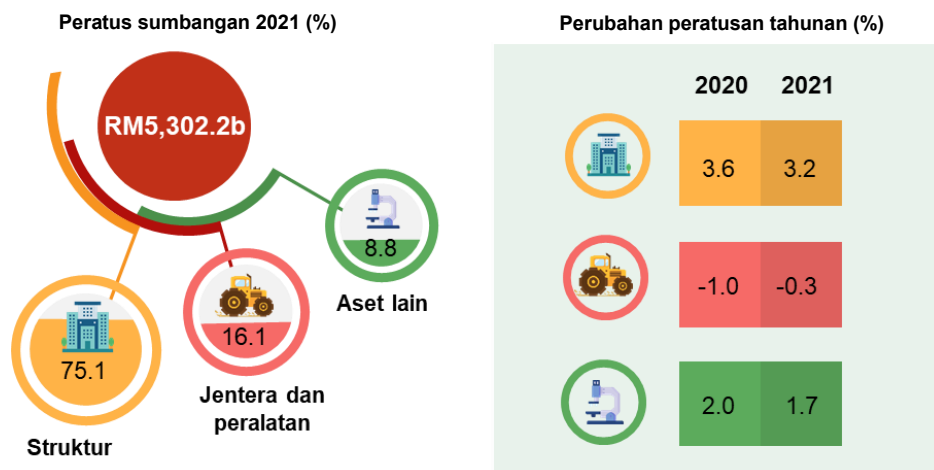


Jenis Aset

Struktur merupakan penyumbang utama kepada SMK dengan 75.1 peratus disokong oleh struktur lain dan bukan kediaman. Jentera dan peralatan kekal sebagai penyumbang kedua terbesar dengan 16.1 peratus manakala Aset lain menyumbang 8.8 peratus. Dari sudut pertumbuhan, Struktur dan Aset lain masing-masing mencatatkan 3.2 peratus dan 1.7 peratus. Walau bagaimanapun, Jentera dan peralatan mencatatkan penyusutan marginal 0.3 peratus berbanding negatif 1.0 peratus pada tahun sebelumnya (**Paparan 4**).

Paparan 4

SMK mengikut jenis aset pada harga malar 2015



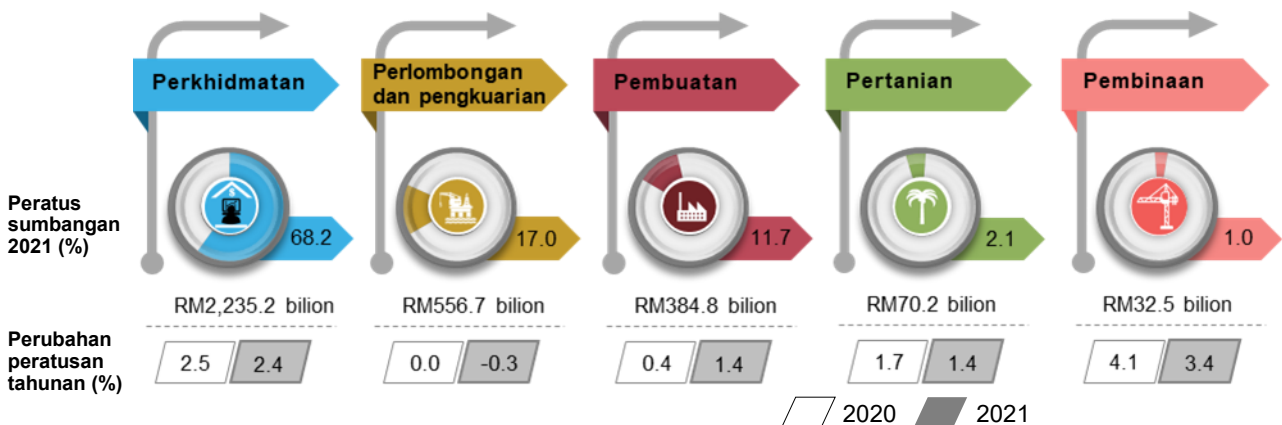
PRESTASI STOK MODAL BERSIH

Jenis Aktiviti Ekonomi

SMB mencatatkan pertumbuhan 1.8 peratus pada 2021 dengan nilai RM3.3 trilion. Prestasi SMB disokong oleh sektor Perkhidmatan dan Pembuatan. Sektor Perkhidmatan kekal sebagai penyumbang terbesar kepada SMB berbanding aktiviti ekonomi lain dengan mencatatkan sumbangan sebanyak 68.2 peratus. Sektor Perlombongan dan pengkuarian menyumbang 17.0 peratus dan sektor Pembuatan pula merekodkan sumbangan 11.7 peratus manakala sektor selebihnya menyumbang 3.1 peratus seperti di **Paparan 5**.

Paparan 5

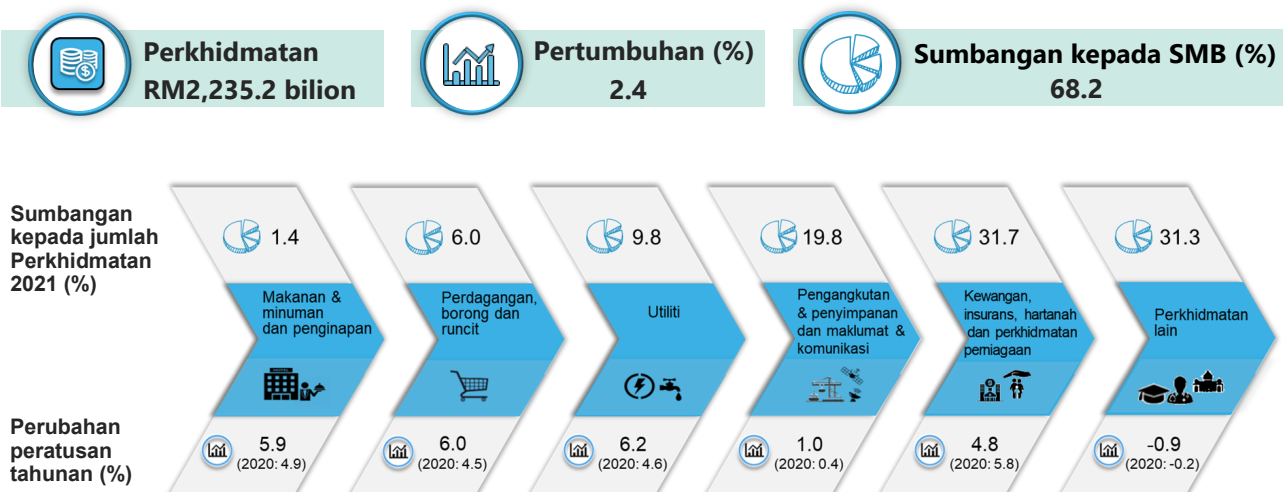
SMB mengikut jenis aktiviti ekonomi pada harga malar 2015



SMB bagi sektor Perkhidmatan meningkat kepada RM2.2 trilion dengan pertumbuhan 2.4 peratus. Pertumbuhan ini disokong oleh aktiviti Kewangan, insurans, hartanah dan perkhidmatan perniagaan (4.8%) dengan sumbangan sebanyak 31.7 peratus. Manakala Pengangkutan & penyimpanan dan maklumat & komunikasi menyumbang 19.8 peratus. Selain itu, Perkhidmatan lain yang terdiri daripada perkhidmatan kerajaan, pendidikan swasta, kesihatan swasta dan perkhidmatan swasta lain menyumbang 31.3 peratus kepada sektor Perkhidmatan SMB (**Paparan 6**).

Paparan 6

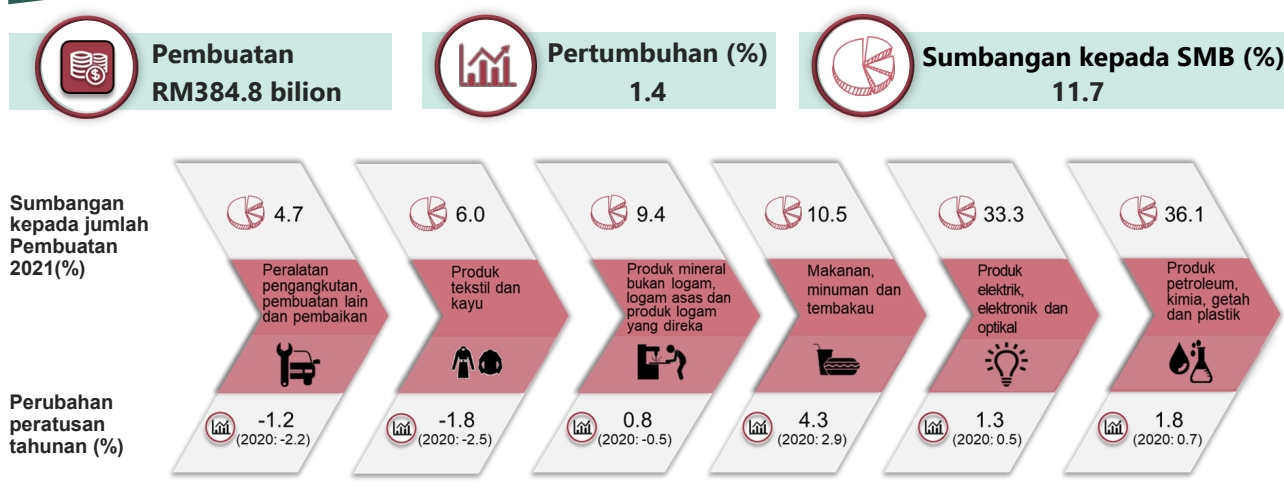
SMB mengikut jenis aset pada harga malar 2015



SMB bagi sektor Pembuatan berjumlah RM384.8 bilion, bertumbuh kepada 1.4 peratus didorong oleh produk Petroleum, kimia, getah & plastik (1.8%). Penyumbang terbesar kepada sektor Pembuatan adalah Produk Petroleum, kimia, getah dan plastik dengan sumbangan sebanyak 36.1 peratus. Elektrik, elektronik dan optikal menyumbang 33.3 peratus manakala penyumbang ketiga terbesar ialah produk Makanan, minuman dan tembakau (10.5%) (**Paparan 7**).

Paparan 7

SMB mengikut aktiviti Pembuatan pada harga malar 2015

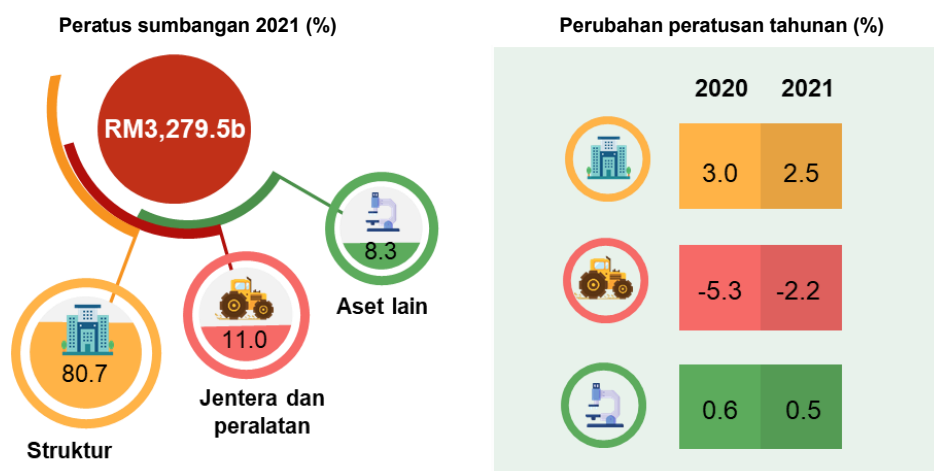


Jenis Aset

Struktur yang terdiri daripada kediaman, bukan kediaman dan struktur lain bertumbuh perlahan pada 2.5 peratus berbanding 3.0 peratus pada tahun sebelumnya. Aset lain tumbuh 0.5 peratus disokong oleh perbelanjaan ke atas cari gali mineral & penilaian dan penyelidikan & pembangunan. Struktur terus mendominasi SMB dengan sumbangan 80.7 peratus. Jentera dan peralatan kekal sebagai penyumbang kedua terbesar dengan 11.0 peratus manakala Aset lain menyumbang 8.3 peratus (**Paparan 8**).

Paparan 8

SMB mengikut jenis aset pada harga malar 2015



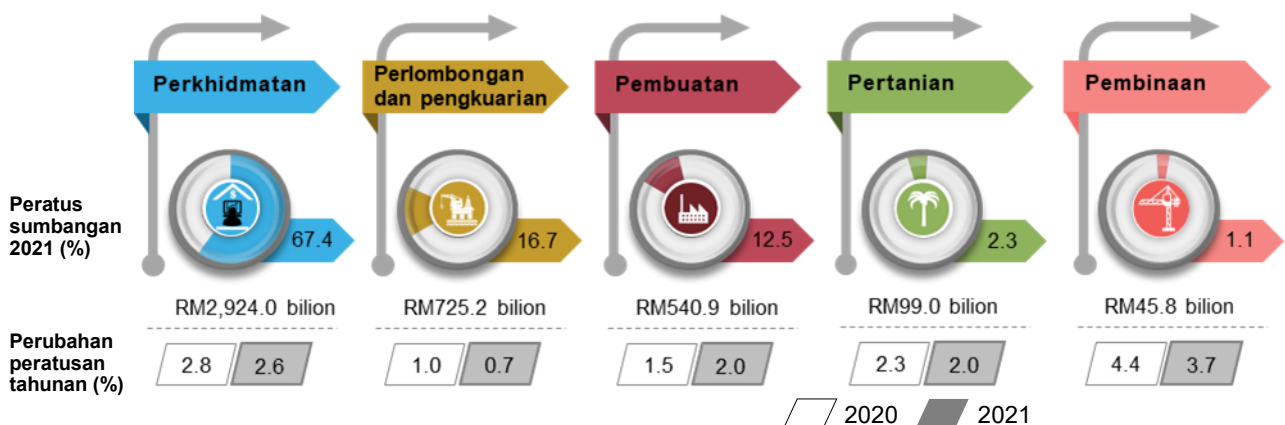
PRESTASI STOK MODAL PRODUKTIF

Jenis Aktiviti Ekonomi

SMP tumbuh pada 2.2 peratus disokong oleh sektor Perkhidmatan (2.6%) dan Pembuatan (2.0%). SMP menjana nilai sebanyak RM4.3 trilion berbanding RM4.2 trilion pada tahun sebelumnya. Sektor Perkhidmatan merupakan penyumbang utama dan menyumbang lebih daripada dua per tiga daripada SMP (67.4%). Sektor Perlombongan dan pengkuarian menyumbang 16.7 peratus manakala sektor Pembuatan mencatatkan sumbangan sebanyak 12.5 peratus (**Paparan 9**).

Paparan 9

SMP mengikut jenis aktiviti ekonomi pada harga malar 2015

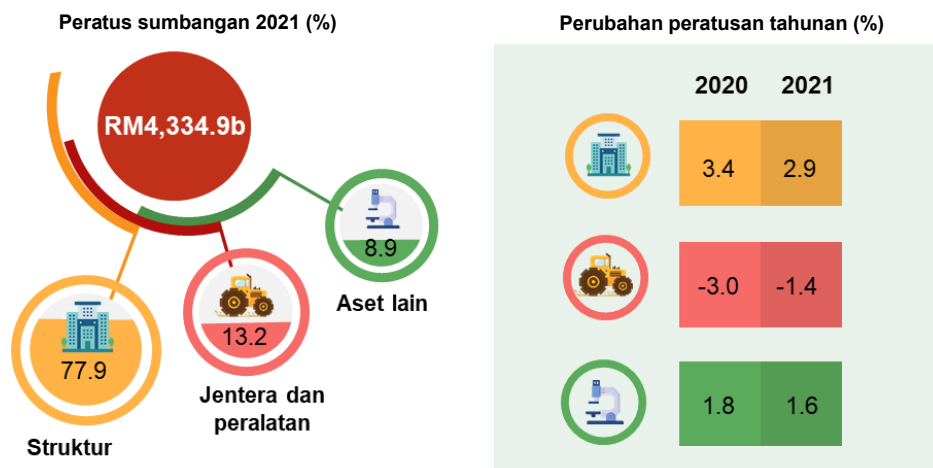


Jenis Aset

SMP didominasi oleh Struktur dengan sumbangan 77.9 peratus, mencatatkan pertumbuhan sebanyak 2.9 peratus disokong oleh struktur lain dan kediaman (**Paparan 10**). Jentera & peralatan yang terdiri daripada komputer, jentera & peralatan lain dan perabot & pemasangan menyumbang 13.2 peratus. Sumbangan Aset lain adalah 8.9 peratus yang disokong oleh perbelanjaan dalam aktiviti cari gali mineral & penilaian dan penyelidikan & pembangunan.

Paparan 10

SMP mengikut jenis aset pada harga malar 2015



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SUMMARY OF FINDINGS

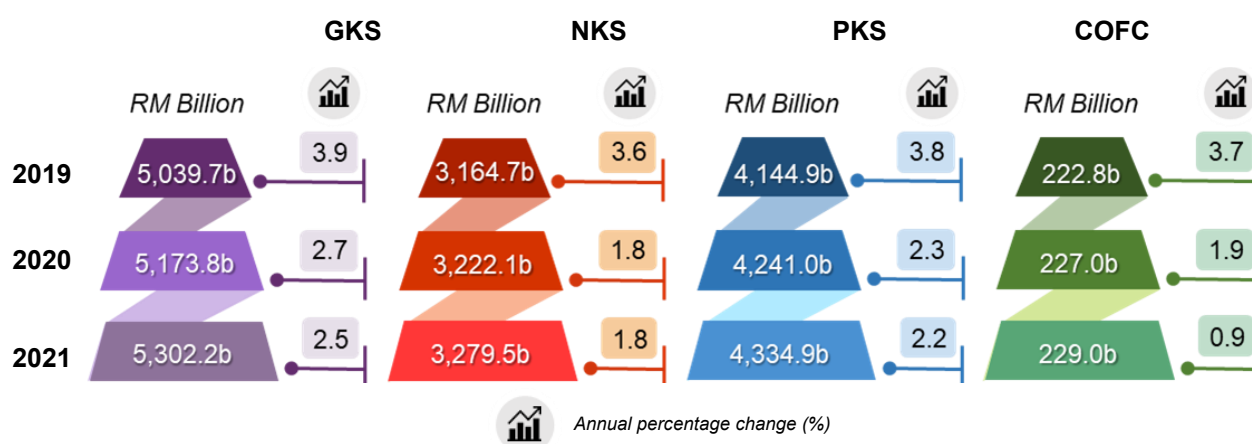
CAPITAL STOCK STATISTICS

This publication provides information on capital stock statistics in Malaysia for the year 2021. These statistics consist of Gross Capital Stock (GKS), Net Capital Stock (NKS), Productive Capital Stock (PKS) and Consumption of Fixed Capital (COFC). The data is presented according to the type of economic activities and type of assets at current prices and constant prices of 2015.

GKS which reflects the accumulated investment of fixed assets in the country registered RM5.3 trillion with a growth of 2.5 per cent in 2021. Meanwhile, NKS which reflects Malaysia's economic wealth grew to RM3.3 trillion with a growth of 1.8 per cent. The PKS which measures productive assets recorded RM4.3 trillion compared to RM4.2 trillion in the previous year. Concurrently, COFC which shows the value of assets used in the production process in 2021 amounted to RM229.0 billion with a growth of 0.9 per cent (**Exhibit 1**).

Exhibit 1

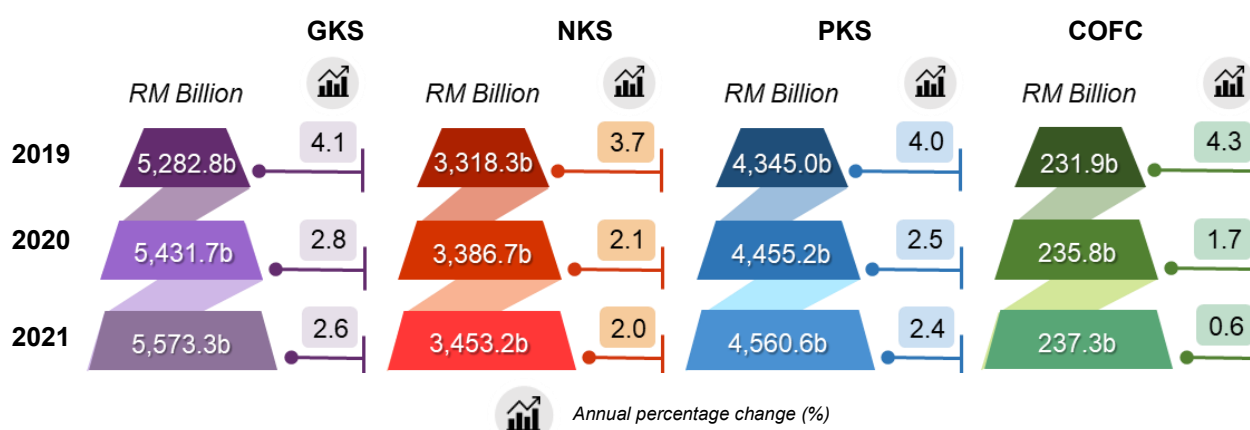
Capital stock statistics at constant 2015 prices



GKS at current prices grew by 2.6 per cent with a value of RM5.6 trillion. NKS recorded RM3.5 trillion with 2.0 per cent growth, while PKS grew by 2.4 per cent with a value of RM4.6 trillion. COFC recorded a value of RM237.3 billion (**Exhibit 2**).

Exhibit 2

Capital stock statistics at current prices



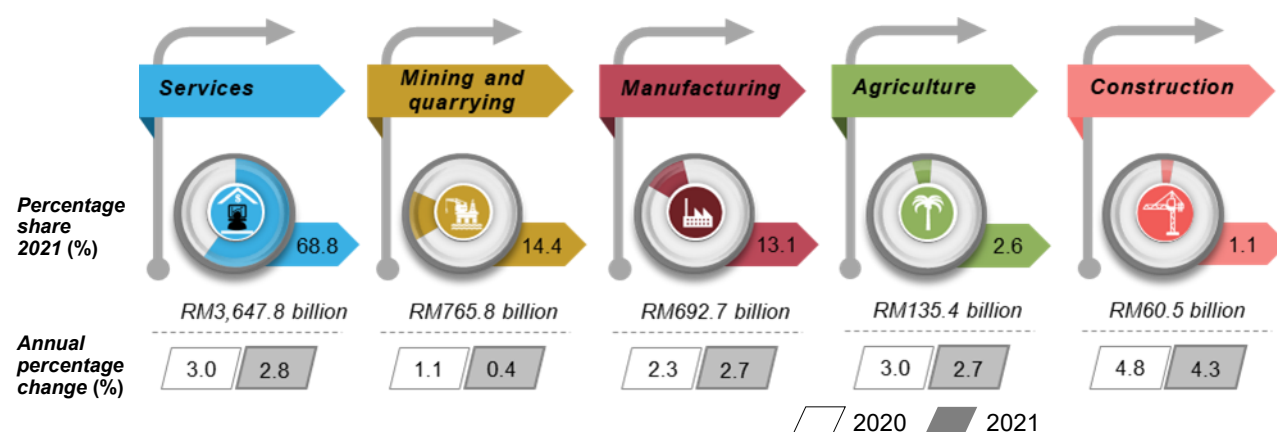
PERFORMANCE OF GROSS CAPITAL STOCK

Kind of Economic Activity

GKS generated RM5.3 trillion in 2021 an increase of RM128.4 billion compared to the previous year with a growth of 2.5 per cent. All sectors recorded positive trends in fixed asset turnover, driven by the Services (2.8%) and Manufacturing (2.7%) sectors. The Services sector which dominated the country's economy contributed 68.8 per cent followed by the Mining and quarrying (14.4%) and Manufacturing (13.1%) sectors (**Exhibit 3**).

Exhibit 3

GKS by kind of economic activity at constant 2015 prices

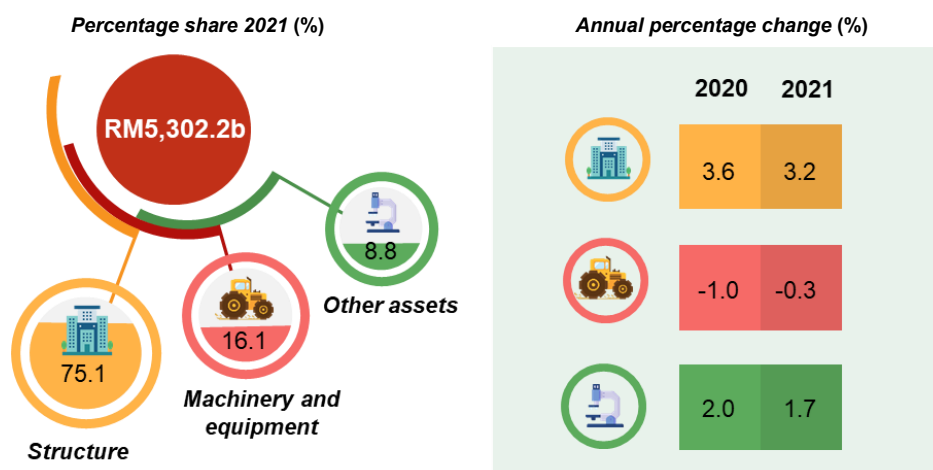


Type of Assets

Structure was the main contributor to GKS with 75.1 per cent supported by other structures and non-residential. Machinery and equipment remained the second largest contributor with 16.1 per cent while Other assets accounted for 8.8 per cent. In terms of growth, Structure and Other Assets recorded 3.2 per cent and 1.7 per cent respectively (**Exhibit 4**). However, Machinery and equipment recorded a marginal decline of 0.3 per cent as against to negative 1.0 per cent in the previous year.

Exhibit 4

GKS by type of assets at constant 2015 prices



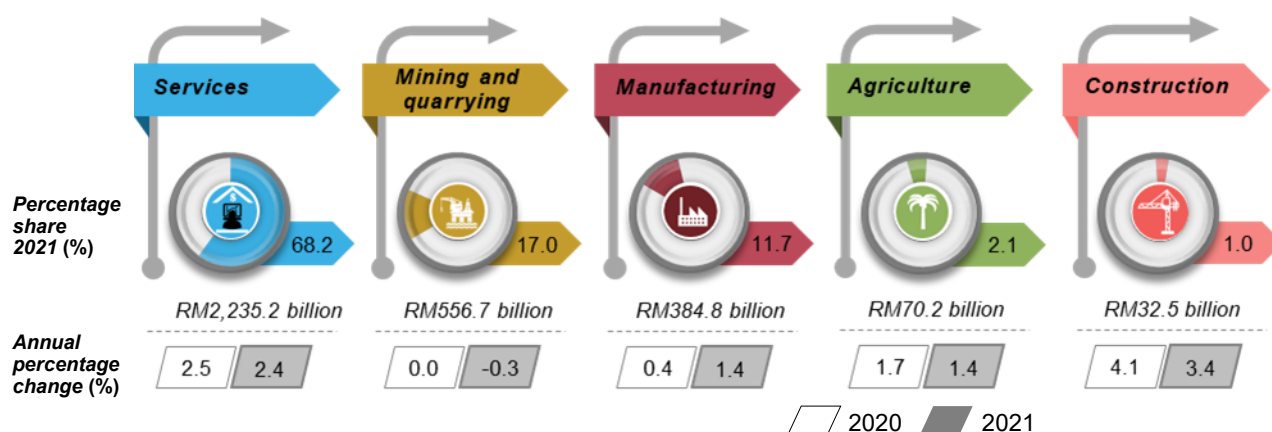
PERFORMANCE OF NET CAPITAL STOCK

Kind of Economic Activity

NKS recorded a growth of 1.8 per cent in 2021 with a value of RM3.3 trillion. NKS performance was supported by the Services and Manufacturing sectors. The Services sector remained the largest contributor to NKS compared to other economic activities with a contribution of 68.2 per cent. The Mining and quarrying sector contributed 17.0 per cent and Manufacturing sector recorded an 11.7 per cent contribution while the remaining sectors contributed 3.1 per cent as per **Exhibit 5**.

Exhibit 5

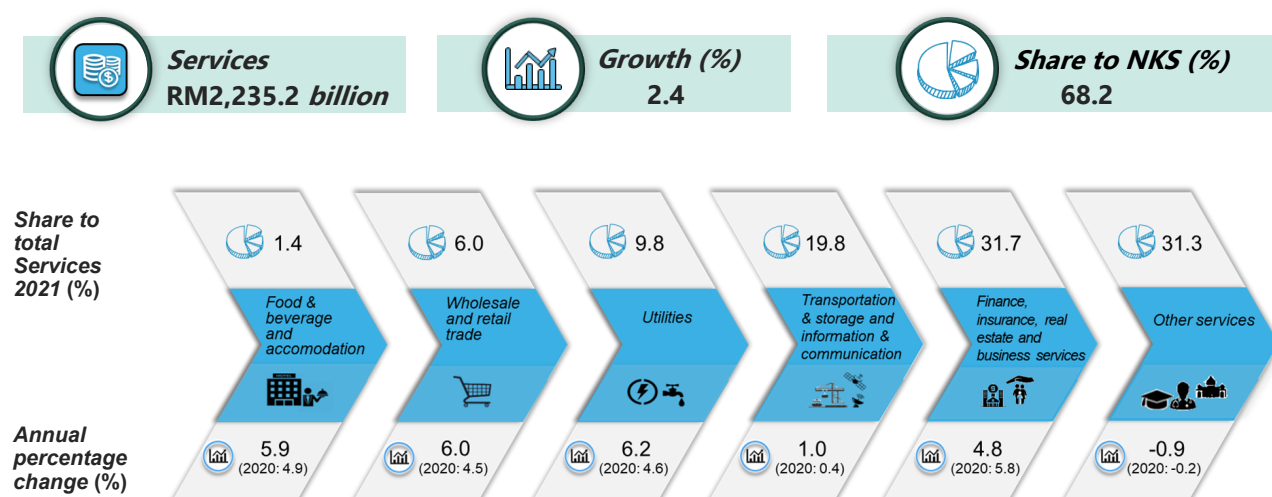
NKS by kind of economic activity at constant 2015 prices



NKS for the Services sector increased to RM2.2 trillion with a growth of 2.4 per cent. The growth was supported by Finance, insurance, real estate and business services (4.8%) with a contribution of 31.7 per cent. Meanwhile, Transportation & storage and information & communication accounted for 19.8 per cent. In addition, Other services comprising government services, private education, private health and other private services contributed 31.3 per cent to the NKS Services sector (**Exhibit 6**).

Exhibit 6

NKS by Services activity at constant 2015 prices

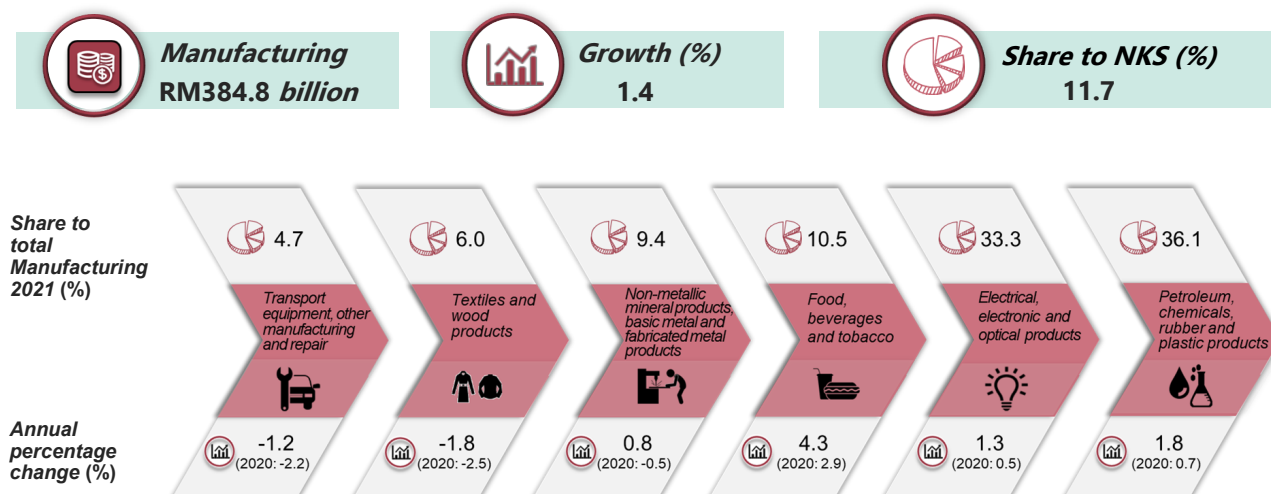


SUMMARY OF FINDINGS

NKS for the Manufacturing sector amounted to RM384.8 billion, growing to 1.4 per cent driven by Petroleum, chemicals, rubber and plastic products (1.8%). The largest contributor to the Manufacturing sector was Petroleum, chemicals, rubber and plastic products with a contribution of 36.1 per cent. Electrical, electronic and optical products accounted for 33.3 per cent while the third largest contributor was Food, beverages and tobacco products (10.5%) (**Exhibit 7**).

Exhibit 7

NKS by Manufacturing activity at constant 2015 prices

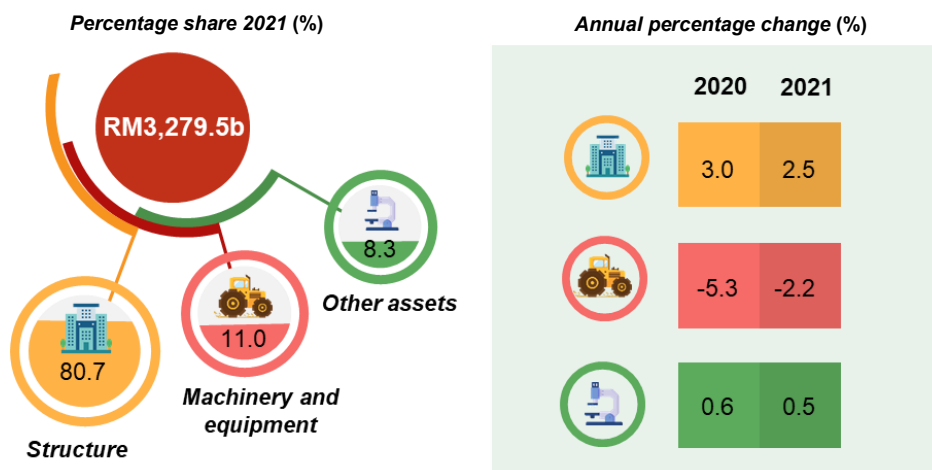


Type of Assets

Structure comprising residential, non-residential and other structure grew slowly at 2.5 per cent compared to 3.0 per cent in the previous year. Other assets grew 0.5 per cent attributed by spending on mineral exploration & evaluation and research & development. Structure continued to dominate the NKS with an 80.7 per cent contribution. Machinery and equipment remained the second largest contributor with 11.0 per cent while Other assets contributed 8.3 per cent (**Exhibit 8**).

Exhibit 8

NKS by type of assets at constant 2015 prices



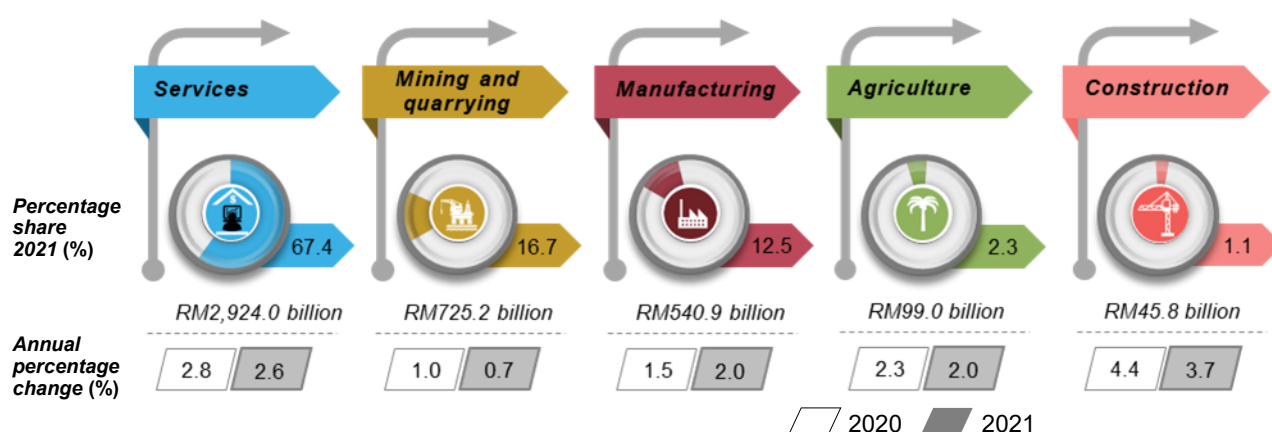
PERFORMANCE OF PRODUCTIVE CAPITAL STOCK

Kind of Economic Activity

PKS grew at 2.2 per cent supported by the Services (2.6%) and the Manufacturing (2.0%) sectors. PKS generated a value of RM4.3 trillion compared to RM4.2 trillion in the previous year. The Services sector was the main contributor and accounted for more than two-thirds of PKS (67.4%). The Mining and quarrying sector contributed 16.7 per cent while the Manufacturing sector recorded a contribution of 12.5 per cent (**Exhibit 9**).

Exhibit 9

PKS by kind of economic activity at constant 2015 prices

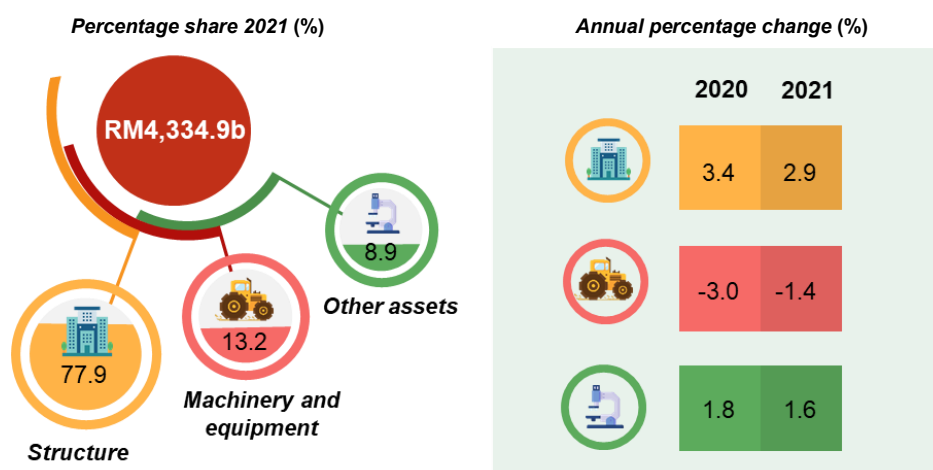


Type of Assets

The PKS was dominated by Structure with a contribution of 77.9 per cent, registering a growth of 2.9 per cent supported by other structure and residential (**Exhibit 10**). Machinery & equipment comprising computers, machinery & other equipment and furniture & fitting contributed 13.2 per cent. Contribution of Other assets was 8.9 per cent supported by spending in mineral exploration & evaluation and research & development activities.

Exhibit 10

PKS by type of assets at constant 2015 prices



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RENCANA

ARTICLE



RENCANA

Meneroka Sumbangan Produktiviti Faktor Keseluruhan (TFP) terhadap Pertumbuhan Ekonomi Malaysia¹

Oleh: Intan Nazira Mohd Idris, Anis Amirah Zainal Abidin, Nor Almyza Laila Majnun dan Rahidah Mohd Nor

PENGENALAN

Produktiviti dianggap sebagai elemen penting bagi pertumbuhan ekonomi yang seterusnya akan mempengaruhi taraf hidup sesebuah negara. Keupayaan sesebuah negara untuk meningkatkan taraf hidup dari semasa ke semasa bergantung kepada keupayaannya untuk meningkatkan pengeluaran bagi setiap pekerja (Krugman, 1994).

Secara teori, produktiviti ditakrifkan sebagai nisbah output kepada input, dianggap sebagai petunjuk dalam mengukur kecekapan pengeluaran (OECD, 2001). Malah produktiviti telah digunakan untuk menilai pertumbuhan ekonomi di kebanyakan negara. Justeru, satu pendekatan untuk mengukur pertumbuhan produktiviti telah diperkenalkan buat pertama kali dalam Rancangan Malaysia Keenam (RMKe-6) sebagai penentu paling penting pengembangan output dalam ekonomi negara bagi menghadapi cabaran pembangunan teknologi yang pesat dan perubahan dalam persekitaran ekonomi global.

Untuk merungkai faktor-faktor yang menyumbang kepada pertumbuhan produktiviti memerlukan pelbagai petunjuk yang berkaitan dengan peruntukan sumber yang berkesan, kemajuan teknologi dan pengumpulan modal. Penyelidikan yang meluas telah mengesahkan bahawa produktiviti tenaga buruh dan pelaburan aset tetap hanya menerangkan sebahagian kecil daripada pertumbuhan produktiviti. Aspek yang tidak dapat dijelaskan yang mewakili perkembangan pengeluaran dan teknologi adalah yang dipanggil produktiviti faktor keseluruhan (TFP). TFP lazimnya ditafsirkan sebagai teknologi yang merujuk kepada semua kaedah yang digunakan oleh buruh dan modal untuk menghasilkan barangan dan perkhidmatan dengan cekap (Idris Jajri, 2007) manakala penambahbaikan dalam TFP mencerminkan penggunaan sumber yang cekap dan pelaksanaan teknologi yang canggih dalam pengeluaran (Soon & Benson, 1997). Secara ringkasnya, TFP mengukur lebihan pertumbuhan jumlah pengeluaran sesebuah firma, industri atau ekonomi negara yang tidak dapat dijelaskan oleh input tradisional seperti tenaga buruh dan modal.

Perbadanan Produktiviti Malaysia (MPC) telah melaporkan penurunan dalam prestasi produktiviti pada 2021 untuk kesemua lima sektor ekonomi utama. Sektor Pembinaan mencatatkan penurunan tertinggi sebanyak 15.7 peratus, diikuti dengan penguncupan 8.5 peratus bagi Perlombongan & pengkuarian dan penurunan 6.0 peratus dalam sektor Perkhidmatan. Pembuatan dan Pertanian masing-masing mencatatkan penyusutan 2.6 peratus dan 1.8 peratus. Prestasi lemah ini berikutan daripada Perintah Kawalan Pergerakan (PKP) yang dilaksanakan kerajaan untuk meratakan keluk jangkitan COVID-19.

Ekonomi Malaysia adalah berpandukan input di mana modal dan buruh merupakan faktor penting dalam fungsi pengeluaran untuk meningkatkan output, berbanding dengan yang didorong oleh teknologi. Ia mengikuti corak yang serupa seperti yang dialami oleh Negara Industri Baru Asia Timur yang lain. Secara amnya, ekonomi yang berteraskan input memerlukan lebih banyak sumber diletakkan ke dalam komponen pengeluaran dan ianya tidak mampan dalam jangka panjang (Young, 1992; Krugman, 1994 dan Kim dan Lau, 1994,

¹ Artikel ini adalah pandangan penulis dan tidak semestinya mencerminkan pandangan Jabatan Perangkaan Malaysia.

seperti yang dipetik dalam Fatimah Said dan Saad Mohd Said, 2004) manakala ekonomi yang berteraskan teknologi merupakan kemajuan dalam pengetahuan teknologi dan penggunaan faktor pengeluaran yang berkesan. Untuk mensasarkan peralihan pertumbuhan ekonomi Malaysia kepada negara berpendapatan tinggi dan berteknologi tinggi, penyediaan strategi makro ekonomi yang signifikan diperlukan untuk meningkatkan produktiviti ke arah daya tahan yang lebih tinggi dan daya saing negara dalam pasaran antarabangsa memandangkan sumbangan TFP dalam pertumbuhan ekonomi Malaysia masih terhad dengan input modal sebagai penyumbang utama (Laporan Produktiviti 2016/2017, 2016). Walaupun sasaran Malaysia untuk menjadi sebuah ekonomi maju terhalang selepas krisis kesihatan COVID-19 menurunkan Keluaran Dalam Negeri Kasar (KDNK) sebanyak 5.5 peratus pada 2020, KDNK pulih semula 3.1 peratus pada 2021. MPC berpendapat peningkatan dalam KDNK ini akhirnya akan menyumbang kepada pertumbuhan produktiviti yang lebih tinggi (Laporan Produktiviti 2022, 2022).

Sehubungan itu, kajian ini bertujuan untuk menilai sumbangan pertumbuhan TFP terhadap kesejahteraan ekonomi Malaysia dan bagaimana pertumbuhan TFP menyumbang kepada prestasi ekonomi lima sektor utama dengan menyesuaikan dalam fungsi *Cobb-Douglas*.

SOROTAN KARYA

TFP yang juga dikenali sebagai produktiviti pelbagai faktor merupakan konsep yang telah digunakan secara meluas dalam kajian yang melibatkan lima sektor utama. Oleh itu, pemahaman tentang pertumbuhan produktiviti adalah penting untuk penilaian produktiviti yang berkesan. Peningkatan yang lebih tinggi dalam pertumbuhan TFP menunjukkan keberkesanan penggunaan dan pengurusan sumber manusia dan input modal (Chia, Skitmore & Felicia, 2015). Ini membayangkan bahawa tidak akan berlaku pembaziran sumber bahan dan kos pengeluaran dapat dikurangkan (Rahmah Ismail, Noorasiah Sulaiman & Idris Jajri, 2014). Input yang berkualiti menghasilkan keluaran yang lebih tinggi tanpa perlu menambah bilangan input, terutamanya apabila input digunakan secara berkesan dan cekap (Laporan Produktiviti 2012/2013, 2013) dan kebanyakan ahli ekonomi percaya bahawa pertumbuhan tinggi jangka panjang adalah bergantung kepada pembangunan teknologi yang berterusan.

Secara konsep, faktor pengeluaran sering dikaitkan dengan buruh dan modal. Namun, berdasarkan kaedah perakaunan pertumbuhan, terdapat tiga elemen yang menyumbang kepada pengeluaran output iaitu buruh, modal dan TFP yang juga dikenali sebagai teknologi (Idris Jajri, 2007). Terdapat beberapa faktor yang boleh mempengaruhi kecekapan seperti pendidikan, kecekapan pasaran, infrastruktur dan institusi (Kim, Loayza dan Meza-Cuadra 2016). Walaupun kajian mengenai pertumbuhan TFP secara keseluruhannya adalah sangat terhad di Malaysia, namun peranan pertumbuhan TFP terhadap ekonomi Malaysia telah mendapat lebih perhatian dari semasa ke semasa (Rahmah Ismail, Noorasiah Sulaiman & Idris Jajri, 2014).

Sumbangan kepada pertumbuhan TFP boleh dirangsang melalui inovasi, pendidikan, kecekapan pasaran dan infrastruktur fizikal & institusi di mana inovasi mempunyai kesan yang paling signifikan terhadap TFP berbanding faktor lain (Tinjauan Ekonomi 2021, 2020). Dari tahun 2008 hingga 2017, data menunjukkan trend yang meningkat dalam perbelanjaan awam dan swasta bagi R&D serta bilangan penerbitan dalam jurnal sains dan teknologi.

Noorasiah Sulaiman, Rahmah Ismail & Siti Hajar Ton Zainal Abidin telah menjalankan kajian pada tahun 2012 tentang kesan globalisasi terhadap prestasi TFP sektor Pembuatan Malaysia. Kajian ini menggunakan beberapa pembolehubah yang terdiri daripada buruh asing, teknologi, pelaburan langsung asing dan keterbukaan ekonomi untuk melihat kesan globalisasi. Penemuan menunjukkan bahawa FDI dan keterbukaan ekonomi adalah signifikan dan menyumbang secara positif kepada prestasi TFP dalam sektor Pembuatan. Sebaliknya, buruh asing dan bilangan perjanjian teknologi adalah tidak signifikan, justeru tidak menyumbang kepada prestasi TFP sektor Pembuatan. Dari segi analisis mengikut industri, tiga industri menunjukkan kesan ke atas prestasi TFP berada pada tahap tertinggi, iaitu industri mesin pembuatan & produk peralatan; industri produk peralatan saintifik & pengukur; dan industri produk elektrik dan elektronik.

Terdapat juga kajian yang dijalankan bagi mengukur TFP dalam sektor Pembinaan. Chia, Skitmore & Felicia (2015) menggunakan Solow Model untuk menjana siri masa TFP sektor Pembinaan Malaysia antara 1998 dan 2013 dengan menjadikan pinjaman sistem perbankan kepada industri Pembinaan sebagai proksi untuk input modal serta bilangan pekerjaan pembinaan sebagai input buruh. Secara keseluruhannya, TFP menunjukkan trend menurun dari 1989 hingga 1998 dan aliran menaik pada 1998 hingga 2012. Pertumbuhan ini didorong oleh penggunaan amalan dan teknologi bangunan yang lebih moden.

METODOLOGI

Konsep pertumbuhan TFP telah dibangunkan oleh Solow pada tahun 1957 yang ditakrifkan sebagai peningkatan kecekapan keseluruhan input yang digunakan (Rahmah Ismail, Noorasiah Sulaiman & Idris Jajri, 2014). Fungsi pengeluaran *Cobb-Douglas* mengambil kira tiga faktor; modal, buruh dan barang perantaraan untuk menggambarkan TFP. Input buruh digambarkan sebagai keseluruhan bilangan orang yang bekerja dalam ekonomi manakala modal ialah nilai aset berdasarkan kecekapan. *Cobb-Douglas* ialah pendekatan yang digunakan untuk mengira pertumbuhan TFP dan dirumuskan seperti berikut:

$$Y = A \times L^{\alpha} \times K^{\beta} \quad (1)$$

di mana Y ialah keluaran agregat (KDNK benar), A adalah TFP, manakala L menandakan agregat tenaga buruh dan K mewakili agregat modal. α dan β ialah bahagian sumbangan untuk K dan L masing-masing, di mana $0 < \alpha < 1$, $0 < \beta < 1$. Martin dan Mitra (1999) mengandaikan pulangan malar mengikut skala ($\alpha + \beta = 1$). Output ialah nilai kewangan bagi semua barangan yang dihasilkan dalam setahun, buruh ialah bilangan orang yang bekerja dalam setahun dan input modal ialah nilai kewangan bagi semua mesin, peralatan dan struktur (Bao, 2008).

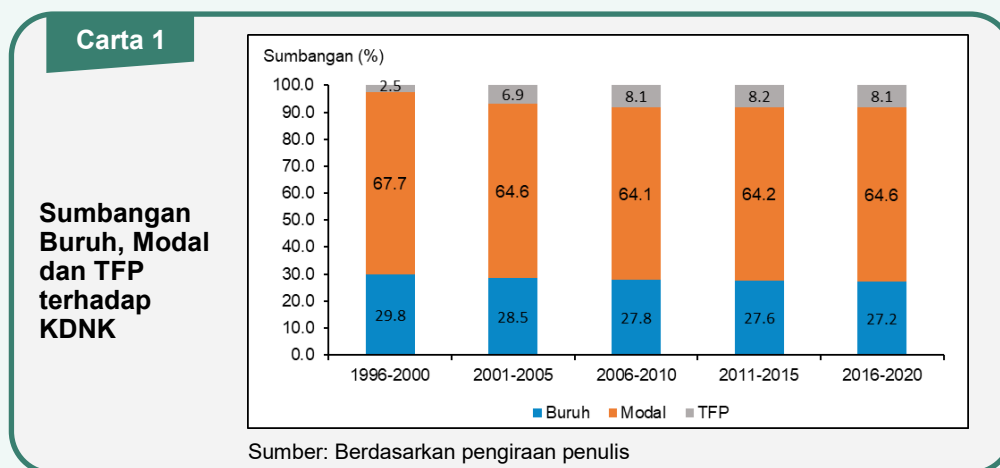
Fungsi pengeluaran kemudian berubah menjadi model linear dengan memasukkan logaritma ke dalam persamaan (1) dan fungsi kepada bentuk log-linear sebagai :

$$\ln Y = \ln A + \alpha \ln L + \beta \ln K \quad (2)$$

Analisis dijalankan menggunakan data siri masa KDNK, guna tenaga dan stok modal Malaysia yang diterbitkan oleh DOSM antara 1996 dan 2020, masing-masing untuk menggambarkan output, buruh dan pelaburan dalam aset tetap. Seterusnya, rencana ini akan mengukur pertumbuhan TFP yang merangkumi lima jenis aktiviti ekonomi utama; sektor Pertanian, Perlombongan & pengkuarian, Pembuatan, Pembinaan dan Perkhidmatan.

HASIL PENEMUAN

Sejak pertengahan 1990-an, ekonomi Malaysia telah diambil alih oleh faktor pengeluaran tradisional, iaitu modal dan buruh dengan sumbangan lebih daripada 90 peratus. Namun begitu, sumbangan TFP kepada ekonomi menunjukkan trend yang semakin meningkat merekodkan 8.1 peratus antara 2016 dan 2020 (**Carta 1**). Walaupun modal dan buruh merupakan faktor dominan dalam pengeluaran, sumbangan TFP yang lebih tinggi mesti diteruskan untuk memastikan prestasi ekonomi jangka panjang lebih mampan.



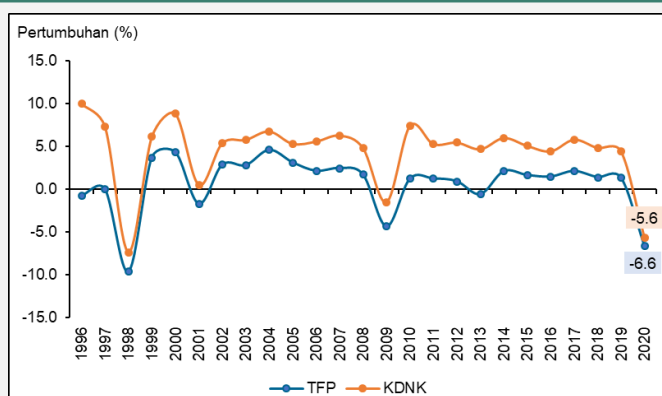
Carta 2 menunjukkan pertumbuhan TFP dan KDNK dari tahun 1996 hingga 2020. Secara keseluruhan, hasil kajian menunjukkan pertumbuhan TFP adalah selari dengan pertumbuhan KDNK. Prestasi TFP menjunam 9.6 peratus pada tahun 1998 apabila Malaysia mengalami Krisis Kewangan Asia pada tahun 1997 hingga 1998. Hampir kesemua industri merekodkan tahap pengeluaran yang lebih rendah berikutan kesan krisis kewangan serantau. Nilai ditambah sektor Pembinaan merosot sebanyak 24.5 peratus terutamanya disebabkan oleh permintaan agregat yang lebih rendah dan secara tidak langsung menjejaskan prestasi industri berkaitan Pembinaan. Walau bagaimanapun, pengeluaran minyak mentah dan gas meningkat dan secara tidak langsung menyumbang kepada peratusan sumbangan yang sedikit tinggi sebanyak 7.3 peratus daripada KDNK.

Gelembung Teknologi dari tahun 2001 hingga 2002 dicetuskan oleh kenaikan dan kejatuhan saham teknologi sejak pertumbuhan internet membawa kekalutan di kalangan pelabur yang terburu-buru untuk melabur dalam perniagaan baharu. Tanpa strategi perniagaan yang berkesan, syarikat-syarikat ini dengan pantas menggunakan rizab kewangan yang menyebabkan kegagalan. Dalam tempoh itu, Malaysia telah merasai kesan seawal Mac 2001 dengan penurunan dalam pengeluaran sektor Pembuatan dan pertumbuhan eksport.

Seterusnya, krisis kewangan yang telah meletus di United States of America bermula pada pertengahan 2007 dengan kemerosotan kualiti aset sub-prima yang meningkat kepada krisis kewangan global pada separuh tahun kedua 2008. Ekonomi global menyaksikan kesan terburuk pada separuh pertama 2009, manakala ekonomi Malaysia terjejas dengan ketara pada suku tahun keempat 2008 akibat kesan kemelesetan global (Laporan Tahunan Bank Negara Malaysia 2008, 2009) begitu juga kepada TFP.

Carta 2

Pertumbuhan TFP dan KDNK di Malaysia



Sumber: Berdasarkan pengiraan penulis

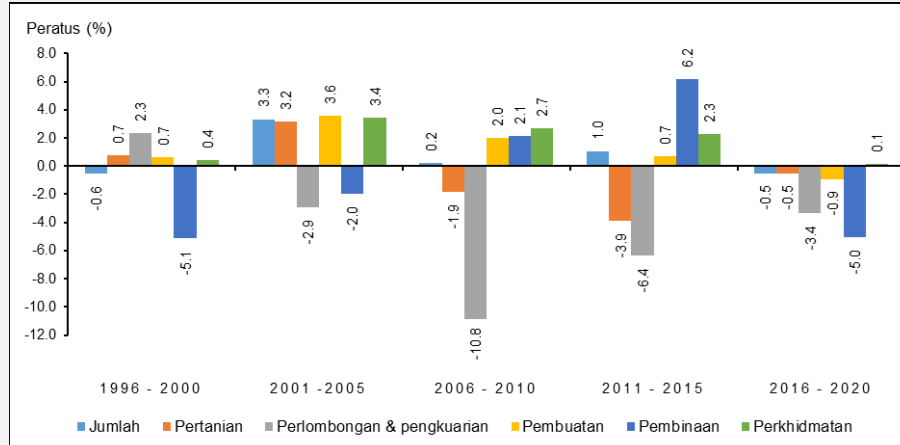
Pandemik COVID-19 telah memberi impak kepada ekonomi Malaysia, menjejaskan aktiviti operasi dan tahap pengeluaran syarikat (Laporan Produktiviti 2020, 2020). Secara keseluruhan, TFP pada tahun 2020 mencatatkan penurunan sebanyak 6.6 peratus, penguncupan itu adalah yang pertama sejak krisis ekonomi global 2009 dan terendah dalam hampir 10 tahun.

Carta 3 menunjukkan kadar purata pertumbuhan tahunan (CAGR) TFP untuk lima sektor ekonomi utama; Pertanian, Perlombongan & pengkuarian, Pembuatan, Pembinaan dan Perkhidmatan. CAGR TFP sektor Perlombongan dan pengkuarian telah terjejas teruk antara tempoh 2006 dan 2010. Pertumbuhan menyusut kepada 10.8 peratus disokong oleh Laporan Tahunan Bank Negara Malaysia 2006 yang menyatakan bahawa penutupan medan minyak untuk tujuan penyelenggaraan serta pengembangan kapasiti secara berperingkat di loji MLNG 2 di Sarawak menyebabkan aktiviti perlombongan yang lebih rendah pada tahun 2006. Sokongan penuh telah diberikan dengan meningkatkan penggunaan biofuel dan usaha R&D untuk mengurangkan pergantungan yang tinggi terhadap produk petroleum (Rancangan Malaysia Kesembilan, 2006). Di samping itu, nilai ditambah sektor Perlombongan dan pengkuarian susut 0.8 peratus pada tahun 2008 dipengaruhi oleh pengeluaran gas asli yang lebih rendah berikutan permintaan yang lebih rendah dan penutupan penyelenggaraan yang tidak terancang di beberapa medan gas di Semenanjung Malaysia (Laporan Tahunan Bank Negara Malaysia 2008, 2009).

Dari 2011 hingga 2015, CAGR TFP sektor Pembinaan mencatatkan pertumbuhan kukuh sebanyak 6.2 peratus dipacu oleh pengembangan kukuh dalam aktiviti pelaburan, dengan kadar pertumbuhan tertinggi sejak 1995 hingga 2012. Selain itu, pertumbuhan ini didorong oleh projek utama yang lebih luas dari segi sektor dan lokasi geografi yang meliputi kawasan di luar Lembah Klang. Merujuk kepada Bajet 2012, ia merupakan tahun pertama pelaksanaan Rolling Plan 2 (RP2) dengan peruntukan sebanyak RM98.4 bilion untuk projek landasan berkembar Gemas-Johor Bahru, Lebuhraya Pantai Timur Jabor-Kuala Terengganu, Lebuhraya Pantai Barat Banting-Taiping, Lebuhraya Segamat-Tangkak dan Lebuhraya Central Spine, Jalan Kota Marudu-Ranau serta pembangunan semula Pangkalan Udara Sungai Besi Kuala Lumpur. Di samping itu, CAGR TFP dalam industri Pembinaan berikutan dari penggunaan sistem bangunan yang lebih maju seperti *Industrialized Building System* (IBS), *Building Information Modelling* (BIM) dan *Green Building Index* (GBI) bagi meningkatkan produktiviti serta menggalakkan kualiti dan keselamatan.

Carta 3

**Kadar Purata
Pertumbuhan
Tahunan
(CAGR) TFP
bagi Lima
Sektor Utama**



Sumber: Berdasarkan pengiraan penulis

CAGR TFP Malaysia dalam tempoh 2016 hingga 2020 merekodkan penurunan bagi lima sektor ekonomi utama terutamanya akibat kesan pandemik COVID-19. Sektor Perkhidmatan merupakan penyumbang utama kepada prestasi produktiviti secara keseluruhan dengan CAGR TFP 0.1 peratus, diikuti oleh Pertanian 0.5 peratus. Prestasi buruk itu kebanyakannya disebabkan oleh pelaksanaan PKP bagi membendung jangkitan COVID-19 dan secara tidak langsung menghadkan aktiviti ekonomi.

RUMUSAN

Selaras dengan Agenda Matlamat Pembangunan Mampan (SDG) 2030, kerajaan telah memberi tumpuan untuk meningkatkan taraf hidup negara dengan melancarkan Rancangan Malaysia Kedua Belas (RMKe-12), iaitu salah satu temanya memberi penekanan terhadap kesejahteraan. Ini merupakan satu inisiatif yang baik iaitu fokus utamanya adalah untuk mengukuhkan semula aktiviti ekonomi. Berdasarkan unjuran yang dibuat oleh Kementerian Kewangan Malaysia (MOF), KDNK Malaysia dijangka mengukuh antara 5.5 dan 6.5 peratus pada 2022. Oleh itu, produktiviti menjadi kebimbangan utama dalam mengembalikan ekonomi ke landasan yang betul dan prestasi produktiviti Malaysia telah kembali kepada pertumbuhan positif pada 2021 dengan 1.8 peratus selepas wabak COVID-19 menjejaskan pertumbuhan ekonomi. Pertumbuhan yang memberangsangkan seharusnya menggalakkan penggubal dasar untuk memberi tumpuan kepada pemacu produktiviti terutamanya, TFP.

Berdasarkan penemuan yang diperolehi, TFP memberikan sumbangan yang kecil terhadap pertumbuhan ekonomi dengan nilai 8.1 peratus dalam tempoh 2016 hingga 2020. Dalam erti kata lain, perkembangan Malaysia bergantung kepada input modal dan buruh manakala sebahagian kecil adalah sumbangan teknologi kepada KDNK. Sektor Perlombongan & pengkuarian adalah sektor yang paling berintensif modal diikuti oleh sektor Perkhidmatan dan Pembuatan. Keputusan CAGR TFP mengikut lima aktiviti ekonomi menunjukkan bahawa pertumbuhan TFP dalam industri Pembinaan adalah yang tertinggi untuk tempoh 2011 hingga 2015. Ini dikreditkan kepada penggunaan teknologi dan kaedah pembinaan baharu serta pelaksanaan Program Transformasi Ekonomi (ETP) 2010 dengan peruntukan sebanyak RM200 bilion bagi kontrak pembinaan. Malaysia perlu merancang untuk menambah baik pertumbuhan ekonomi yang dipacu oleh produktiviti bagi memastikan input yang digunakan adalah berkesan agar pergantungan kepada input fizikal dapat dikurangkan. Firma dan individu perlu melibatkan diri dalam aktiviti inovasi dengan mengakses idea dan pasaran baharu di luar negara, menaik taraf teknologi sedia ada dan peningkatan dalam teknologi maklumat adalah selaras dengan perkembangan Revolusi Industri 4.0 (RMKe-12, 2021).

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ARTICLE

Exploring the Contribution of Total Factor Productivity to Malaysia's Economic Growth¹

By: Intan Nazira Mohd Idris, Anis Amirah Zainal Abidin, Nor Almyza Laila Majnun and Rahidah Mohd Nor

INTRODUCTION

Productivity is considered as an important element of economic growth which would in turn influence the standard of living for a particular nation. The capability of a country to improve its standard of living over time depends on its ability to raise its output per worker (Krugman, 1994).

Theoretically, productivity is defined as a ratio of output to input, treated as an indicator in measuring the efficiency of a production (OECD, 2001). In fact, productivity has been used to evaluate economic growth in most nations. Thus, an approach to measure productivity growth was introduced for the first time in the Sixth Malaysia Plan (6MP) as the most important determinant of output expansion in the national economy in order to face the challenges of rapid technological development and changes in the global economic environment.

To unveil the factors that contribute to productivity growth requires a wide range of indicators relating to effective resource allocation, technological progress and capital accumulation. Extensive research has confirmed that labour productivity and fixed asset investment explained only a small part of productivity growth. The unexplained aspect that represents the development of production and technologies is the so-called total factor productivity (TFP). TFP is commonly recognised as a technology which refers to all the methods applied by labour and capital to efficiently produce goods and services (Idris Jajri, 2007) while improvement in TFP reflects the efficient use of resources and the implementation of advanced technologies in production (Soon & Benson, 1997). In simple words, TFP measures residual growth in the total output of a firm, industry or national economy that cannot be explained by the traditional inputs such as labour and capital.

Malaysia Productivity Corporation (MPC) reported a decline in the productivity's performance in 2021 for all five main economic sectors. The Construction sector recorded the highest decrease of 15.7 per cent, followed by a contraction of 8.5 per cent for Mining & quarrying and a descent 6.0 per cent in the Services sector. Manufacturing and Agriculture registered a decline of 2.6 per cent and 1.8 per cent respectively. The poor performance was due to the Movement Control Order (MCO) implemented by the government to flatten the curve of COVID-19 infection.

Malaysia's economy was mainly input-driven where capital and labour are the important inputs in a production function to increase output, as opposed to technology-driven. It follows a similar pattern experienced by other East Asian Newly Industrialized Countries. In general term, input driven involves putting more resources into the components of production and is not sustainable in the long run (Young, 1992; Krugman, 1994 and Kim and Lau, 1994, as cited in Fatimah Said and Saad Mohd Said, 2004) while technology-driven is an advancement of technological knowledge and effective utilization of factors of production. To aim for the transition of Malaysia's economic growth into a high-income and high-tech nation, a significant preparation of macro-economic strategies is needed to increase productivity

¹ This article represents authors' view and does not necessarily reflect the view of the Department of Statistics Malaysia.

towards greater resilience and national competitiveness in international markets since the contribution of TFP in Malaysia's economic growth is still limited with capital input as the main contributor (Productivity Report 2016/2017, 2016). Although Malaysia's target towards becoming an advanced economy was hindered after the COVID-19 health crisis brought down the Gross Domestic Product (GDP) by 5.5 per cent in 2020, the GDP bounced back to 3.1 per cent in 2021. MPC perceived the improvement in GDP will eventually contribute to a higher productivity growth (Productivity Report 2022, 2022).

Thus, this study aims to evaluate the contribution of TFP growth toward the well-being of Malaysia's economy and how much TFP growth accounted for the economic performance of the five main sectors by fitting into the Cobb-Douglas function.

LITERATURE REVIEW

TFP which is also known as multi-factor productivity is the concept which has been widely applied in studies involving five main economic sectors. Thus, the understanding of productivity growth is crucial for effective assessment of productivity. A higher improvement in TFP growth demonstrates the effective use and management of human resources and capital input (Chia, Skitmore & Felicia, 2015). It implies that there would be no wastage of material resources and the cost of production will be reduced (Rahmah Ismail, Noorasiah Sulaiman & Idris Jajri, 2014). Quality inputs yield greater output without increasing the number of inputs, especially when the inputs are effectively and efficiently utilized (Productivity Report 2012/2013, 2013) and most economists believe that long term high growth is contingent on sustained technological development .

Conceptually, the factor of production is often associated with labour and capital. However, based on the growth accounting method, there are three elements that contribute to the production of output namely labour, capital and TFP which is also known as technology (Idris Jajri, 2007). There are several factors which can influence efficiencies such as education, market efficiency, infrastructure, and institutions (Kim, Loayza and Meza-Cuadra, 2016). Although studies on TFP growth as a whole are very limited in Malaysia, the role of TFP growth on Malaysia's economy has received more attention over time (Rahmah Ismail, Noorasiah Sulaiman & Idris Jajri, 2014).

Contribution to TFP growth can be boosted by innovation, education, market efficiency and physical & institutional infrastructure where innovation has the most significant effect on TFP compared to other factors (Economic Outlook 2021, 2020). From 2008 to 2017, data showed an increasing trend in public and private spending on R&D and the number of publications in science and technology journals.

Noorasiah Sulaiman, Rahmah Ismail & Siti Hajar Ton Zainal Abidin conducted a study in 2012 on the impact of globalization on the TFP performance of Malaysia's Manufacturing sector. The study used several variables namely foreign labour, technology, foreign direct investment and the openness of the economy to observe the globalization impact. The findings show that the FDI and openness of the economy are significant and positively contribute to the performance of TFP in the Manufacturing sector. On the other hand, foreign labour and the number of technology agreements are not significant hence, they do not contribute to the TFP performance of the Manufacturing sector. In terms of analysis by industry, three industries indicate the effects on the TFP performance are at the highest, namely industry of the manufacturing machinery and equipment products; industry scientific and measuring equipment products; industry of electrical and electronics products.

There are also studies conducted to measure the TFP in Construction sector. Chia, Skitmore & Felicia (2015) used Solow Model to generate TFP time series of Malaysian Construction Sector between 1998 and 2013 by making banking system loans to the construction industry as a proxy for capital input while number of construction employment as labour input. Overall, it shows a downward trend in TFP from 1989 to 1998 and an increasing trend from 1998 to 2012. The growth is fuelled by the adoption of more modern building practices and technologies.

METHODOLOGY

The concept of TFP growth was developed by Solow in 1957 which is defined as an increase in the overall efficiency of the inputs used (Rahmah Ismail, Noorasiah Sulaiman & Idris Jajri, 2014). A Cobb-Douglas production function takes into account three factors; capital, labour and intermediate goods to estimate TFP. Labour input is described as the entire number of employed persons in the economy while capital is the value of assets based on efficiency. Cobb-Douglas is an approach that is used to compute TFP growth and is formulated as follows:

$$Y = A \times L^{\alpha} \times K^{\beta} \quad (1)$$

where Y is the aggregate output (real GDP), A as TFP while L denotes aggregate labour and K represents aggregate capital. α and β are the shares of contribution for K and L respectively, where $0 < \alpha < 1$, $0 < \beta < 1$. Martin and Mitra (1999) assume constant returns to scale ($\alpha + \beta = 1$). Output is the monetary value of all goods produced in a year, labour is the total number of persons working in a year and capital input is the monetary value of all machinery, equipment and structures (Bao, 2008).

The production function is then transformed into a linear model by plugging logarithmic into the equation (1) and the function to a log-linear form as:

$$\ln Y = \ln A + \alpha \ln L + \beta \ln K \quad (2)$$

Analysis was conducted using time series data of GDP, employment and capital stock Malaysia published by DOSM between 1996 and 2020, to illustrate output, labour and investment in fixed assets respectively. Following through, this paper then measures the TFP growth accounted for five main kinds of economic activities; Agriculture, Mining & quarrying, Manufacturing, Construction and Services sector.

FINDINGS

Since the mid-1990s, Malaysian economy has been overtaken by a traditional factor of production, namely capital and labour with a share of more than 90 per cent. Nevertheless, the contribution of TFP to the economy shows an increasing trend, recorded at 8.1 per cent between 2016 and 2020 (**Chart 1**). Even though capital and labour are still dominant factors for production, the higher contribution of TFP must continue to ensure long term economic performance is more sustainable.

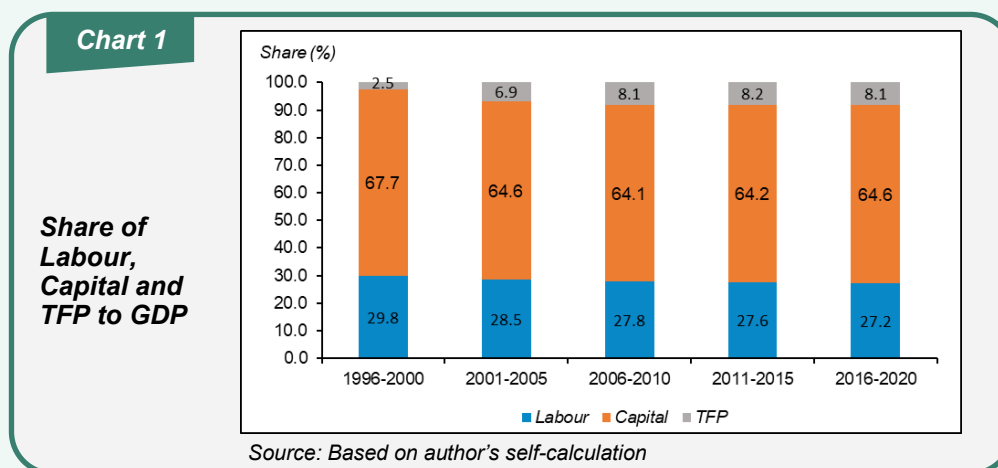
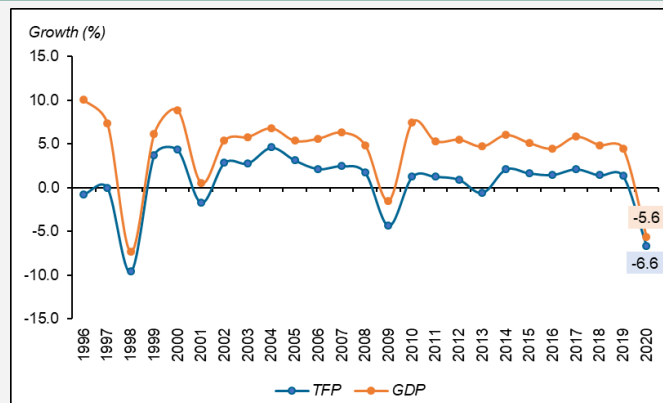


Chart 2 shows the growth of TFP and GDP from 1996 to 2020. Overall, the results show that TFP growth is parallel to the growth of GDP. The performance of TFP plummeted by 9.6 per cent in 1998 as Malaysia experienced Asian Financial Crisis from 1997 to 1998. Almost all industries recorded a lower production level due to the impact of the regional financial crisis. The value added of the Construction sector declined by 24.5 per cent mainly due to lower aggregate demand which indirectly affects the performance of the Construction related industries. However, the production of crude oil and gas increased and indirectly contributed to a slightly higher share of 7.3 per cent of GDP.

The Technology Bubble from 2001 to 2002 was triggered by the rise and collapse of technology stocks since the growth of internet caused a frenzy among investors who rushed to invest in new businesses. Without a proper business strategy, these companies swiftly ran through their financial reserves causing them to fail. During that period, Malaysia was affected as early as March 2001 with the decline in Manufacturing production and export growth.

Afterwards, a financial crisis erupted in the United States of America in mid-2007 with deteriorating quality of sub-prime assets that escalated into a massive global financial crisis in the second half of 2008. The world economy experienced the worst effect in the first half of 2009, while Malaysia's economy was significantly affected in the fourth quarter of 2008 due to the impact of the global recession (Bank Negara Malaysia's Annual Report 2008, 2009) as well as TFP.

Chart 2

TFP and GDP Growth in Malaysia

Source: Based on author's self-calculation

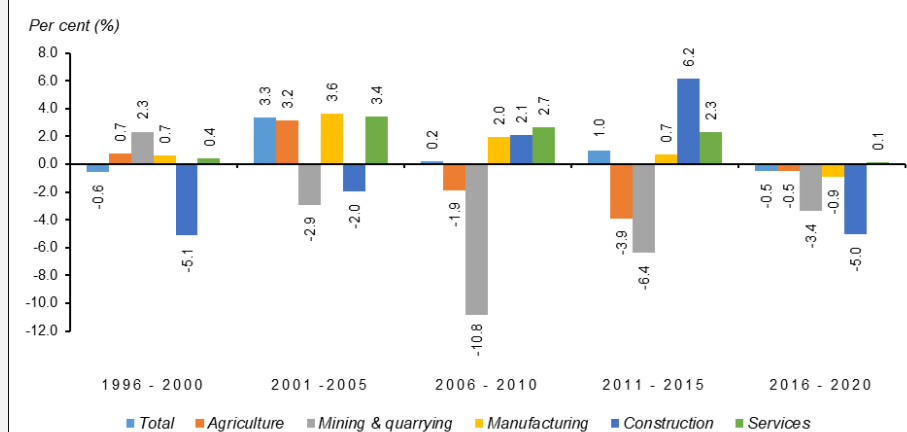
The pandemic of COVID-19 is disrupting Malaysia's economy, affecting company operations activities and production levels (Productivity Report 2020, 2020). Overall, TFP recorded a contraction of 6.6 per cent in 2020, the first since the descend in the 2009 global economic crisis and the lowest in nearly 10 years.

Chart 3 shows the compounded annual growth rate (CAGR) of TFP for the five main economic sectors which are Agriculture, Mining & quarrying, Manufacturing, Construction and Services. CAGR of TFP for the Mining and quarrying sector has been adversely affected between the period of 2006 and 2010. The growth shrank to 10.8 per cent supported by Bank Negara Malaysia's Annual Report 2006 which stated the closure of oil fields for maintenance purposes as well as phased expansion of capacity at the MLNG 2 plant in Sarawak led to lower mining activity in 2006. Full support has been given by boosting the usage of biofuels and R&D efforts in order to reduce the high reliance on petroleum products (Ninth Malaysia Plan, 2006). In addition, the value added of the Mining and quarrying sector fell by 0.8 per cent in 2008 because of lower production of natural gas production since the demand was lower and unplanned maintenance shutdowns at several gas fields in Peninsular Malaysia (Bank Negara Malaysia's Annual Report 2008, 2009).

From 2011 to 2015, the CAGR of TFP for the Construction sector recorded a robust growth of 6.2 per cent due to the strength of expansion in investment activity in construction, the highest pace of growth since 1995 to 2012. Besides, the growth was driven by the existence of major projects that are more broad-based in terms of sector and geographical location, covering areas beyond the Klang Valley. According to Budget 2012, it was the first year of the implementation of Rolling Plan 2 (RP2) with the allocation of RM98.4 billion for Gemas-Johor Bahru double tracking rail project, Lebuhraya Pantai Timur Jabor-Kuala Terengganu, Lebuhraya Pantai Barat Banting-Taiping, Lebuhraya Segamat-Tangkak and Lebuhraya Central Spine, Kota Marudu-Ranau road as well as redevelopment of Sungai Besi Kuala Lumpur Air Base. In addition, the CAGR of TFP in the Construction industry is attributed to the adoption of more advanced building practices and systems such as Green Building Index (GBI), Industrialised Building System (IBS) and Building Information Modelling (BIM) that enhanced productivity and promote quality and safety.

Chart 3

Compound Annual Growth Rate (CAGR) of TFP by Five Main Sectors



Source: Based on author's self-calculation

Malaysia's CAGR of TFP in the period of 2016 to 2020 recorded a decline for five main economic sectors mainly due to the impact of the COVID-19 pandemic. The Services sector was the main contributor to overall productivity performance with a CAGR of TFP of 0.1 per cent, followed by Agriculture at 0.5 per cent. The poor performance was mostly caused by the implementation MCO to curb the COVID-19 infection and indirectly limit economic activities.

CONCLUSIONS

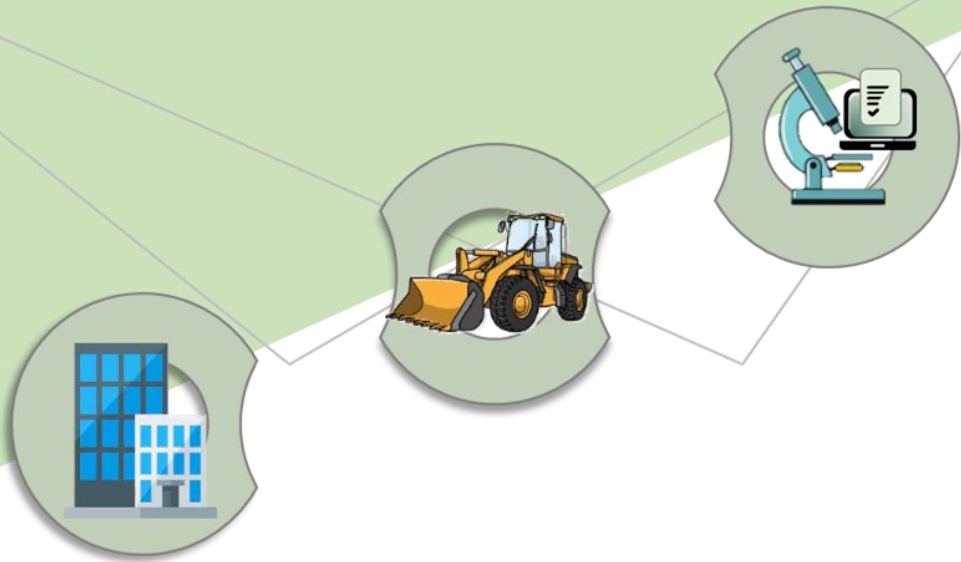
In line with the 2030 Agenda of Sustainable Development Goals (SDG), the government has been attentive to improving the living standards of the nation by launching Malaysia's Twelfth Plan (12MP), in which one of the themes is emphasizing on wellbeing. It is a great initiative where the main focus is to reset the economy back on its feet. Based on the projection made by the Ministry of Finance (MOF), Malaysia's GDP is expected to strengthen between 5.5 and 6.5 per cent in 2022. Therefore, productivity has become the main concern to rebound the economy right on track and Malaysia's productivity performance has returned to positive growth in 2021 with 1.8 per cent after the pandemic COVID-19 weighed down the productivity growth. The promising improvement should encourage the policymakers to focus on the drivers of productivity especially, TFP.

Based on the findings obtained, TFP has a small contribution to economic growth with a value of 8.1 per cent in the period of 2016 to 2020. In other words, Malaysia grew to depend on capital and labour input while a small part is the contribution of technology to GDP. The Mining & quarrying sector has been the most capital intensive accompanied by the Services and Manufacturing sectors. The results of the CAGR of TFP by five economic activities show that TFP growth in the construction industry is the highest from 2011 to 2015. It is credited to the adoption of new technologies and new methods of construction plus the execution of the 2010 Economic Transformation Programme (ETP) with provisions of RM200 billion in construction contracts. Malaysia needs to plan on improving the productivity-driven economy growth to ensure the inputs are effectively used so that the dependence on physical inputs can be reduced. Firms and individuals need to engage in innovation activities by accessing new ideas and markets abroad, upgrading existing technology and enhancement in information technology to align with the development of the Fourth Industrial Revolution (12MP, 2021).

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JADUAL STATISTIK

STATISTICAL TABLES

STOK MODAL KASAR

GROSS CAPITAL STOCK



Jadual 1.1 SMK mengikut jenis aktiviti ekonomi pada harga semasa
Table 1.1 GKS by kind of economic activity at current prices

Jenis aktiviti ekonomi Kind of economic activity	2019	2020 ^e	2021 ^p	2019	2020 ^e	2021 ^p
	Nilai akhir tahun (RM juta) End year value (RM million)			Perubahan peratusan tahunan Annual percentage change		
1. Pertanian <i>Agriculture</i>	134,791	137,133	140,890	4.8	1.7	2.7
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>	776,832	784,938	788,280	3.5	1.0	0.4
3. Pembuatan <i>Manufacturing</i>	686,927	703,056	723,506	4.7	2.3	2.9
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	70,364	73,153	77,047	4.7	4.0	5.3
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>	55,110	54,581	54,198	-0.6	-1.0	-0.7
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>	223,707	231,488	240,030	7.5	3.5	3.7
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	69,680	70,663	72,462	3.1	1.4	2.5
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	228,712	234,215	241,150	4.8	2.4	3.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	39,355	38,957	38,619	-0.1	-1.0	-0.9
4. Pembinaan <i>Construction</i>	57,243	59,798	62,389	5.6	4.5	4.3
5. Perkhidmatan <i>Services</i>	3,626,978	3,746,747	3,858,220	4.1	3.3	3.0
5.1 Utiliti <i>Utilities</i>	403,820	420,695	441,996	4.4	4.2	5.1
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	202,345	212,149	223,535	5.6	4.8	5.4
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>	54,236	56,829	59,130	6.0	4.8	4.1
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>	792,861	807,415	821,939	5.4	1.8	1.8
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>	1,020,897	1,078,171	1,127,933	4.0	5.6	4.6
5.6 Perkhidmatan lain <i>Other services</i>	1,152,818	1,171,488	1,183,686	2.8	1.6	1.0
Jumlah SMK <i>Total GKS</i>	5,282,770	5,431,672	5,573,284	4.1	2.8	2.6

Jenis aktiviti ekonomi Kind of economic activity	2019	2020 ^e	2021 ^p
	Peratus sumbangan SMK Percentage share of GKS		
1. Pertanian <i>Agriculture</i>	2.6	2.5	2.5
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>	14.7	14.5	14.1
3. Pembuatan <i>Manufacturing</i>	13.0	12.9	13.0
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	1.3	1.3	1.4
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>	1.0	1.0	1.0
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>	4.2	4.3	4.3
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	1.3	1.3	1.3
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	4.3	4.3	4.3
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	0.7	0.7	0.7
4. Pembinaan <i>Construction</i>	1.1	1.1	1.1
5. Perkhidmatan <i>Services</i>	68.7	69.0	69.2
5.1 Utiliti <i>Utilities</i>	7.6	7.7	7.9
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	3.8	3.9	4.0
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>	1.0	1.0	1.1
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>	15.0	14.9	14.7
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>	19.3	19.8	20.2
5.6 Perkhidmatan lain <i>Other services</i>	21.8	21.6	21.2
Jumlah SMK <i>Total GKS</i>	100.0	100.0	100.0

Jadual 1.2 SMK mengikut jenis aktiviti ekonomi pada harga malar 2015
Table 1.2 GKS by kind of economic activity at constant 2015 prices

Jenis aktiviti ekonomi <i>Kind of economic activity</i>	2019	2020 ^e	2021 ^p	2019	2020 ^e	2021 ^p
	Nilai akhir tahun (RM juta) <i>End year value (RM million)</i>			Perubahan peratusan tahunan <i>Annual percentage change</i>		
1. Pertanian <i>Agriculture</i>	127,891	131,782	135,384	4.0	3.0	2.7
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>	754,855	762,869	765,842	2.6	1.1	0.4
3. Pembuatan <i>Manufacturing</i>	659,295	674,377	692,659	4.0	2.3	2.7
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	68,057	71,039	74,753	4.2	4.4	5.2
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>	52,866	52,329	51,901	-0.9	-1.0	-0.8
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>	214,453	221,432	228,989	6.6	3.3	3.4
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	67,376	68,510	70,099	2.7	1.7	2.3
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	218,991	224,012	230,243	3.9	2.3	2.8
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	37,552	37,056	36,673	-0.9	-1.3	-1.0
4. Pembinaan <i>Construction</i>	55,334	58,002	60,485	5.3	4.8	4.3
5. Perkhidmatan <i>Services</i>	3,442,366	3,546,725	3,647,804	4.2	3.0	2.8
5.1 Utiliti <i>Utilities</i>	377,293	391,537	409,568	3.4	3.8	4.6
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	191,715	200,231	211,021	5.1	4.4	5.4
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>	51,855	54,162	56,464	5.7	4.5	4.2
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>	738,361	750,180	763,599	3.9	1.6	1.8
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>	1,005,098	1,058,937	1,107,529	6.8	5.4	4.6
5.6 Perkhidmatan lain <i>Other services</i>	1,078,044	1,091,678	1,099,622	2.1	1.3	0.7
Jumlah SMK <i>Total GKS</i>	5,039,741	5,173,755	5,302,173	3.9	2.7	2.5

Jenis aktiviti ekonomi <i>Kind of economic activity</i>	2019	2020 ^e	2021 ^p
	Peratus sumbangan SMK <i>Percentage share of GKS</i>		
1. Pertanian <i>Agriculture</i>	2.5	2.5	2.6
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>	15.0	14.8	14.4
3. Pembuatan <i>Manufacturing</i>	13.1	13.0	13.1
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	1.4	1.4	1.4
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>	1.0	1.0	1.0
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>	4.3	4.3	4.3
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	1.3	1.3	1.3
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	4.3	4.3	4.3
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	0.7	0.7	0.7
4. Pembinaan <i>Construction</i>	1.1	1.1	1.1
5. Perkhidmatan <i>Services</i>	68.3	68.6	68.8
5.1 Utiliti <i>Utilities</i>	7.5	7.6	7.7
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	3.8	3.9	4.0
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>	1.0	1.0	1.1
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>	14.7	14.5	14.4
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>	19.9	20.5	20.9
5.6 Perkhidmatan lain <i>Other services</i>	21.4	21.1	20.7
Jumlah SMK <i>Total GKS</i>	100.0	100.0	100.0

Jadual 1.3 SMK mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table 1.3 GKS by kind of economic activity and type of assets at current prices

2019	Nilai akhir tahun (RM juta) End year value (RM million)	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		50,386	21,322	63,083	134,791
2. Perlombongan dan pengkuarian Mining and quarrying		537,899	105,060	133,873	776,832
3. Pembuatan Manufacturing		333,713	281,055	72,159	686,927
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		28,257	37,359	4,748	70,364
3.2 Produk tekstil dan kayu Textiles and wood products		36,127	16,612	2,371	55,110
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		115,480	93,068	15,159	223,707
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		32,071	33,313	4,295	69,680
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		100,196	88,419	40,097	228,712
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		21,582	12,283	5,489	39,355
4. Pembinaan Construction		25,660	29,252	2,332	57,243
5. Perkhidmatan Services		2,968,890	445,891	212,197	3,626,978
5.1 Utiliti Utilities		301,320	81,264	21,236	403,820
5.2 Perdagangan borong dan runcit Wholesale and retail trade		147,024	33,901	21,420	202,345
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		36,451	15,906	1,879	54,236
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		537,981	211,451	43,428	792,861
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		911,528	44,948	64,421	1,020,897
5.6 Perkhidmatan lain Other services		1,034,586	58,420	59,812	1,152,818
Jumlah SMK Total GKS		3,916,548	882,579	483,643	5,282,770
	Perubahan peratusan tahunan Annual percentage change	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		3.1	10.3	4.5	4.8
2. Perlombongan dan pengkuarian Mining and quarrying		4.5	-3.1	4.7	3.5
3. Pembuatan Manufacturing		5.7	2.8	8.1	4.7
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		0.7	6.9	12.4	4.7
3.2 Produk tekstil dan kayu Textiles and wood products		-0.3	-2.3	6.9	-0.6
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		10.5	3.3	11.6	7.5
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		2.1	3.5	9.0	3.1
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		5.8	2.7	7.2	4.8
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		2.9	-5.8	1.8	-0.1
4. Pembinaan Construction		4.6	6.7	4.0	5.6
5. Perkhidmatan Services		3.9	5.1	5.1	4.1
5.1 Utiliti Utilities		3.2	9.3	3.5	4.4
5.2 Perdagangan borong dan runcit Wholesale and retail trade		7.2	3.2	-1.1	5.6
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		4.6	9.6	3.8	6.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		6.2	3.4	5.4	5.4
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		3.5	7.6	10.2	4.0
5.6 Perkhidmatan lain Other services		2.7	3.9	2.6	2.8
Jumlah SMK Total GKS		4.1	3.5	5.3	4.1

Jadual 1.3 SMK mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table 1.3 GKS by kind of economic activity and type of assets at current prices

2019	Peratus sumbangan mengikut jenis aktiviti ekonomi <i>Percentage share by kind of economic activity</i>	Struktur <i>Structure</i>	Jentera dan peralatan <i>Machinery and equipment</i>	Aset lain <i>Other assets</i>	Jumlah <i>Total</i>
1. Pertanian <i>Agriculture</i>		1.3	2.4	13.0	2.6
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		13.7	11.9	27.7	14.7
3. Pembuatan <i>Manufacturing</i>		8.5	31.8	14.9	13.0
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		0.7	4.2	1.0	1.3
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		0.9	1.9	0.5	1.0
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		2.9	10.5	3.1	4.2
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		0.8	3.8	0.9	1.3
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		2.6	10.0	8.3	4.3
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		0.6	1.4	1.1	0.7
4. Pembinaan <i>Construction</i>		0.7	3.3	0.5	1.1
5. Perkhidmatan <i>Services</i>		75.8	50.5	43.9	68.7
5.1 Utiliti <i>Utilities</i>		7.7	9.2	4.4	7.6
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		3.8	3.8	4.4	3.8
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		0.9	1.8	0.4	1.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		13.7	24.0	9.0	15.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		23.3	5.1	13.3	19.3
5.6 Perkhidmatan lain <i>Other services</i>		26.4	6.6	12.4	21.8
Jumlah SMK <i>Total GKS</i>		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset <i>Percentage share by type of assets</i>	Struktur <i>Structure</i>	Jentera dan peralatan <i>Machinery and equipment</i>	Aset lain <i>Other assets</i>	Jumlah <i>Total</i>
1. Pertanian <i>Agriculture</i>		37.4	15.8	46.8	100.0
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		69.2	13.5	17.2	100.0
3. Pembuatan <i>Manufacturing</i>		48.6	40.9	10.5	100.0
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		40.2	53.1	6.7	100.0
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		65.6	30.1	4.3	100.0
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		51.6	41.6	6.8	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		46.0	47.8	6.2	100.0
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		43.8	38.7	17.5	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		54.8	31.2	13.9	100.0
4. Pembinaan <i>Construction</i>		44.8	51.1	4.1	100.0
5. Perkhidmatan <i>Services</i>		81.9	12.3	5.9	100.0
5.1 Utiliti <i>Utilities</i>		74.6	20.1	5.3	100.0
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		72.7	16.8	10.6	100.0
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		67.2	29.3	3.5	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		67.9	26.7	5.5	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		89.3	4.4	6.3	100.0
5.6 Perkhidmatan lain <i>Other services</i>		89.7	5.1	5.2	100.0
Jumlah SMK <i>Total GKS</i>		74.1	16.7	9.2	100.0

Jadual 1.3 SMK mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table 1.3 GKS by kind of economic activity and type of assets at current prices

2020	Nilai akhir tahun (RM juta) End year value (RM million)	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture	51,569	22,379	63,185	137,133	
2. Perlombongan dan pengkuarian Mining and quarrying	553,063	93,167	138,709	784,938	
3. Pembuatan Manufacturing	352,327	275,165	75,564	703,056	
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco	28,682	39,245	5,225	73,153	
3.2 Produk tekstil dan kayu Textiles and wood products	36,304	15,773	2,504	54,581	
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products	126,094	88,951	16,444	231,488	
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	32,988	33,071	4,603	70,663	
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	105,911	86,960	41,344	234,215	
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	22,347	11,165	5,445	38,957	
4. Pembinaan Construction	27,386	29,995	2,416	59,798	
5. Perkhidmatan Services	3,089,655	442,857	214,234	3,746,747	
5.1 Utiliti Utilities	314,764	84,106	21,825	420,695	
5.2 Perdagangan borong dan runcit Wholesale and retail trade	158,025	33,121	21,004	212,149	
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation	38,809	16,078	1,941	56,829	
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication	556,106	205,641	45,668	807,415	
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services	965,121	45,069	67,980	1,078,171	
5.6 Perkhidmatan lain Other services	1,056,831	58,842	55,816	1,171,488	
Jumlah SMK Total GKS	4,074,001	863,563	494,109	5,431,672	

Perubahan peratusan tahunan Annual percentage change	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture	2.3	5.0	0.2	1.7
2. Perlombongan dan pengkuarian Mining and quarrying	2.8	-11.3	3.6	1.0
3. Pembuatan Manufacturing	5.6	-2.1	4.7	2.3
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco	1.5	5.0	10.1	4.0
3.2 Produk tekstil dan kayu Textiles and wood products	0.5	-5.0	5.6	-1.0
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products	9.2	-4.4	8.5	3.5
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	2.9	-0.7	7.2	1.4
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	5.7	-1.7	3.1	2.4
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	3.5	-9.1	-0.8	-1.0
4. Pembinaan Construction	6.7	2.5	3.6	4.5
5. Perkhidmatan Services	4.1	-0.7	1.0	3.3
5.1 Utiliti Utilities	4.5	3.5	2.8	4.2
5.2 Perdagangan borong dan runcit Wholesale and retail trade	7.5	-2.3	-1.9	4.8
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation	6.5	1.1	3.3	4.8
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication	3.4	-2.7	5.2	1.8
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services	5.9	0.3	5.5	5.6
5.6 Perkhidmatan lain Other services	2.2	0.7	-6.7	1.6
Jumlah SMK Total GKS	4.0	-2.2	2.2	2.8

Jadual 1.3 SMK mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table 1.3 GKS by kind of economic activity and type of assets at current prices

2020	Peratus sumbangan mengikut jenis aktiviti ekonomi Percentage share by kind of economic activity	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		1.3	2.6	12.8	2.5
2. Perlombongan dan pengkuarian Mining and quarrying		13.6	10.8	28.1	14.5
3. Pembuatan Manufacturing		8.6	31.9	15.3	12.9
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		0.7	4.5	1.1	1.3
3.2 Produk tekstil dan kayu Textiles and wood products		0.9	1.8	0.5	1.0
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		3.1	10.3	3.3	4.3
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		0.8	3.8	0.9	1.3
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		2.6	10.1	8.4	4.3
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		0.5	1.3	1.1	0.7
4. Pembinaan Construction		0.7	3.5	0.5	1.1
5. Perkhidmatan Services		75.8	51.3	43.4	69.0
5.1 Utiliti Utilities		7.7	9.7	4.4	7.7
5.2 Perdagangan borong dan runcit Wholesale and retail trade		3.9	3.8	4.3	3.9
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		1.0	1.9	0.4	1.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		13.7	23.8	9.2	14.9
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		23.7	5.2	13.8	19.8
5.6 Perkhidmatan lain Other services		25.9	6.8	11.3	21.6
Jumlah SMK Total GKS		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset Percentage share by type of assets	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		37.6	16.3	46.1	100.0
2. Perlombongan dan pengkuarian Mining and quarrying		70.5	11.9	17.7	100.0
3. Pembuatan Manufacturing		50.1	39.1	10.7	100.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		39.2	53.6	7.1	100.0
3.2 Produk tekstil dan kayu Textiles and wood products		66.5	28.9	4.6	100.0
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		54.5	38.4	7.1	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		46.7	46.8	6.5	100.0
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		45.2	37.1	17.7	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		57.4	28.7	14.0	100.0
4. Pembinaan Construction		45.8	50.2	4.0	100.0
5. Perkhidmatan Services		82.5	11.8	5.7	100.0
5.1 Utiliti Utilities		74.8	20.0	5.2	100.0
5.2 Perdagangan borong dan runcit Wholesale and retail trade		74.5	15.6	9.9	100.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		68.3	28.3	3.4	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		68.9	25.5	5.7	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		89.5	4.2	6.3	100.0
5.6 Perkhidmatan lain Other services		90.2	5.0	4.8	100.0
Jumlah SMK Total GKS		75.0	15.9	9.1	100.0

Jadual 1.3 SMK mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table 1.3 GKS by kind of economic activity and type of assets at current prices

2021	Nilai akhir tahun (RM juta) End year value (RM million)	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		52,381	23,545	64,964	140,890
2. Perlombongan dan pengkuarian Mining and quarrying		564,878	80,266	143,136	788,280
3. Pembuatan Manufacturing		371,177	275,154	77,175	723,506
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		29,751	41,686	5,609	77,047
3.2 Produk tekstil dan kayu Textiles and wood products		36,350	15,254	2,594	54,198
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		135,823	86,696	17,510	240,030
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		34,228	33,422	4,812	72,462
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		111,973	87,784	41,393	241,150
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		23,052	10,311	5,257	38,619
4. Pembinaan Construction		28,692	31,215	2,482	62,389
5. Perkhidmatan Services		3,198,255	444,020	215,945	3,858,220
5.1 Utiliti Utilities		333,002	87,076	21,919	441,996
5.2 Perdagangan borong dan runcit Wholesale and retail trade		168,943	34,287	20,305	223,535
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		41,220	15,929	1,981	59,130
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		571,533	202,132	48,274	821,939
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		1,012,674	44,585	70,674	1,127,933
5.6 Perkhidmatan lain Other services		1,070,884	60,010	52,792	1,183,686
Jumlah SMK Total GKS		4,215,383	854,200	503,701	5,573,284
	Perubahan peratusan tahunan Annual percentage change	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		1.6	5.2	2.8	2.7
2. Perlombongan dan pengkuarian Mining and quarrying		2.1	-13.8	3.2	0.4
3. Pembuatan Manufacturing		5.4	0.0	2.1	2.9
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		3.7	6.2	7.3	5.3
3.2 Produk tekstil dan kayu Textiles and wood products		0.1	-3.3	3.6	-0.7
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		7.7	-2.5	6.5	3.7
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		3.8	1.1	4.5	2.5
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		5.7	0.9	0.1	3.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		3.2	-7.7	-3.5	-0.9
4. Pembinaan Construction		4.8	4.1	2.7	4.3
5. Perkhidmatan Services		3.5	0.3	0.8	3.0
5.1 Utiliti Utilities		5.8	3.5	0.4	5.1
5.2 Perdagangan borong dan runcit Wholesale and retail trade		6.9	3.5	-3.3	5.4
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		6.2	-0.9	2.0	4.1
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		2.8	-1.7	5.7	1.8
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		4.9	-1.1	4.0	4.6
5.6 Perkhidmatan lain Other services		1.3	2.0	-5.4	1.0
Jumlah SMK Total GKS		3.5	-1.1	1.9	2.6

Jadual 1.3 SMK mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table 1.3 GKS by kind of economic activity and type of assets at current prices

2021	Peratus sumbangan mengikut jenis aktiviti ekonomi <i>Percentage share by kind of economic activity</i>	Struktur <i>Structure</i>	Jentera dan peralatan <i>Machinery and equipment</i>	Aset lain <i>Other assets</i>	Jumlah <i>Total</i>
1. Pertanian <i>Agriculture</i>		1.2	2.8	12.9	2.5
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		13.4	9.4	28.4	14.1
3. Pembuatan <i>Manufacturing</i>		8.8	32.2	15.3	13.0
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		0.7	4.9	1.1	1.4
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		0.9	1.8	0.5	1.0
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		3.2	10.1	3.5	4.3
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		0.8	3.9	1.0	1.3
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		2.7	10.3	8.2	4.3
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		0.5	1.2	1.0	0.7
4. Pembinaan <i>Construction</i>		0.7	3.7	0.5	1.1
5. Perkhidmatan <i>Services</i>		75.9	52.0	42.9	69.2
5.1 Utiliti <i>Utilities</i>		7.9	10.2	4.4	7.9
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		4.0	4.0	4.0	4.0
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		1.0	1.9	0.4	1.1
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		13.6	23.7	9.6	14.7
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		24.0	5.2	14.0	20.2
5.6 Perkhidmatan lain <i>Other services</i>		25.4	7.0	10.5	21.2
Jumlah SMK <i>Total GKS</i>		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset <i>Percentage share by type of assets</i>	Struktur <i>Structure</i>	Jentera dan peralatan <i>Machinery and equipment</i>	Aset lain <i>Other assets</i>	Jumlah <i>Total</i>
1. Pertanian <i>Agriculture</i>		37.2	16.7	46.1	100.0
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		71.7	10.2	18.2	100.0
3. Pembuatan <i>Manufacturing</i>		51.3	38.0	10.7	100.0
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		38.6	54.1	7.3	100.0
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		67.1	28.1	4.8	100.0
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		56.6	36.1	7.3	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		47.2	46.1	6.6	100.0
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		46.4	36.4	17.2	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		59.7	26.7	13.6	100.0
4. Pembinaan <i>Construction</i>		46.0	50.0	4.0	100.0
5. Perkhidmatan <i>Services</i>		82.9	11.5	5.6	100.0
5.1 Utiliti <i>Utilities</i>		75.3	19.7	5.0	100.0
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		75.6	15.3	9.1	100.0
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		69.7	26.9	3.4	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		69.5	24.6	5.9	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		89.8	4.0	6.3	100.0
5.6 Perkhidmatan lain <i>Other services</i>		90.5	5.1	4.5	100.0
Jumlah SMK <i>Total GKS</i>		75.6	15.3	9.0	100.0

Jadual 1.4 SMK mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table 1.4 GKS by kind of economic activity and type of assets at constant 2015 prices

2019	Nilai akhir tahun (RM juta) End year value (RM million)	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		46,970	20,816	60,105	127,891
2. Perlombongan dan pengkuarian Mining and quarrying		522,425	102,475	129,954	754,855
3. Pembuatan Manufacturing		315,436	278,158	65,701	659,295
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		26,795	36,934	4,328	68,057
3.2 Produk tekstil dan kayu Textiles and wood products		34,282	16,421	2,163	52,866
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		108,671	91,963	13,818	214,453
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		30,436	33,024	3,916	67,376
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		94,824	87,689	36,478	218,991
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		20,427	12,127	4,998	37,552
4. Pembinaan Construction		24,487	28,713	2,134	55,334
5. Perkhidmatan Services		2,815,029	434,585	192,751	3,442,366
5.1 Utiliti Utilities		277,862	80,293	19,139	377,293
5.2 Perdagangan borong dan runcit Wholesale and retail trade		139,401	32,676	19,638	191,715
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		34,517	15,621	1,717	51,855
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		494,764	204,314	39,283	738,361
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		901,761	44,109	59,228	1,005,098
5.6 Perkhidmatan lain Other services		966,725	57,572	53,747	1,078,044
Jumlah SMK Total GKS		3,724,348	864,747	450,646	5,039,741
	Perubahan peratusan tahunan Annual percentage change	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		2.6	8.8	3.5	4.0
2. Perlombongan dan pengkuarian Mining and quarrying		3.8	-4.2	3.9	2.6
3. Pembuatan Manufacturing		5.6	2.1	4.5	4.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		0.9	6.2	9.0	4.2
3.2 Produk tekstil dan kayu Textiles and wood products		-0.1	-2.9	4.0	-0.9
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		10.2	2.5	8.2	6.6
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		2.2	2.8	5.8	2.7
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		5.8	2.1	3.4	3.9
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		2.9	-6.5	-1.7	-0.9
4. Pembinaan Construction		5.2	5.6	1.9	5.3
5. Perkhidmatan Services		4.4	3.7	2.2	4.2
5.1 Utiliti Utilities		2.1	8.6	0.6	3.4
5.2 Perdagangan borong dan runcit Wholesale and retail trade		7.3	1.3	-2.7	5.1
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		4.6	8.7	1.7	5.7
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		4.9	1.5	2.6	3.9
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		6.7	6.6	8.6	6.8
5.6 Perkhidmatan lain Other services		2.3	2.9	-2.1	2.1
Jumlah SMK Total GKS		4.4	2.4	3.2	3.9

Jadual 1.4 SMK mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table 1.4 GKS by kind of economic activity and type of assets at constant 2015 prices

2019	Peratus sumbangan mengikut jenis aktiviti ekonomi <i>Percentage share by kind of economic activity</i>	Struktur <i>Structure</i>	Jentera dan peralatan <i>Machinery and equipment</i>	Aset lain <i>Other assets</i>	Jumlah <i>Total</i>
1. Pertanian <i>Agriculture</i>		1.3	2.4	13.3	2.5
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		14.0	11.9	28.8	15.0
3. Pembuatan <i>Manufacturing</i>		8.5	32.2	14.6	13.1
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		0.7	4.3	1.0	1.4
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		0.9	1.9	0.5	1.0
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		2.9	10.6	3.1	4.3
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		0.8	3.8	0.9	1.3
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		2.5	10.1	8.1	4.3
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		0.5	1.4	1.1	0.7
4. Pembinaan <i>Construction</i>		0.7	3.3	0.5	1.1
5. Perkhidmatan <i>Services</i>		75.6	50.3	42.8	68.3
5.1 Utiliti <i>Utilities</i>		7.5	9.3	4.2	7.5
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		3.7	3.8	4.4	3.8
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		0.9	1.8	0.4	1.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		13.3	23.6	8.7	14.7
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		24.2	5.1	13.1	19.9
5.6 Perkhidmatan lain <i>Other services</i>		26.0	6.7	11.9	21.4
Jumlah SMK <i>Total GKS</i>		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset <i>Percentage share by type of assets</i>	Struktur <i>Structure</i>	Jentera dan peralatan <i>Machinery and equipment</i>	Aset lain <i>Other assets</i>	Jumlah <i>Total</i>
1. Pertanian <i>Agriculture</i>		36.7	16.3	47.0	100.0
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		69.2	13.6	17.2	100.0
3. Pembuatan <i>Manufacturing</i>		47.8	42.2	10.0	100.0
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		39.4	54.3	6.4	100.0
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		64.8	31.1	4.1	100.0
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		50.7	42.9	6.4	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		45.2	49.0	5.8	100.0
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		43.3	40.0	16.7	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		54.4	32.3	13.3	100.0
4. Pembinaan <i>Construction</i>		44.3	51.9	3.9	100.0
5. Perkhidmatan <i>Services</i>		81.8	12.6	5.6	100.0
5.1 Utiliti <i>Utilities</i>		73.6	21.3	5.1	100.0
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		72.7	17.0	10.2	100.0
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		66.6	30.1	3.3	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		67.0	27.7	5.3	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		89.7	4.4	5.9	100.0
5.6 Perkhidmatan lain <i>Other services</i>		89.7	5.3	5.0	100.0
Jumlah SMK <i>Total GKS</i>		73.9	17.2	8.9	100.0

Jadual 1.4 SMK mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table 1.4 GKS by kind of economic activity and type of assets at constant 2015 prices

2020	Nilai akhir tahun (RM juta) End year value (RM million)	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture	47,795	22,144	61,844	131,782	
2. Perlombongan dan pengkuarian Mining and quarrying	536,564	91,870	134,435	762,869	
3. Pembuatan Manufacturing	331,368	275,514	67,496	674,377	
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco	27,072	39,289	4,678	71,039	
3.2 Produk tekstil dan kayu Textiles and wood products	34,306	15,778	2,245	52,329	
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products	117,970	88,743	14,719	221,432	
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	31,170	33,217	4,122	68,510	
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	99,791	87,353	36,867	224,012	
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	21,058	11,133	4,864	37,056	
4. Pembinaan Construction	26,034	29,784	2,183	58,002	
5. Perkhidmatan Services	2,916,523	436,704	193,498	3,546,725	
5.1 Utiliti Utilities	288,251	84,079	19,207	391,537	
5.2 Perdagangan borong dan runcit Wholesale and retail trade	149,144	32,070	19,016	200,231	
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation	36,580	15,835	1,747	54,162	
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication	508,137	201,639	40,404	750,180	
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services	952,449	44,454	62,034	1,058,937	
5.6 Perkhidmatan lain Other services	981,962	58,627	51,089	1,091,678	
Jumlah SMK Total GKS	3,858,283	856,016	459,456	5,173,755	

Perubahan peratusan tahunan Annual percentage change	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture	1.8	6.4	2.9	3.0
2. Perlombongan dan pengkuarian Mining and quarrying	2.7	-10.3	3.4	1.1
3. Pembuatan Manufacturing	5.1	-1.0	2.7	2.3
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco	1.0	6.4	8.1	4.4
3.2 Produk tekstil dan kayu Textiles and wood products	0.1	-3.9	3.8	-1.0
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products	8.6	-3.5	6.5	3.3
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	2.4	0.6	5.3	1.7
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	5.2	-0.4	1.1	2.3
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	3.1	-8.2	-2.7	-1.3
4. Pembinaan Construction	6.3	3.7	2.3	4.8
5. Perkhidmatan Services	3.6	0.5	0.4	3.0
5.1 Utiliti Utilities	3.7	4.7	0.4	3.8
5.2 Perdagangan borong dan runcit Wholesale and retail trade	7.0	-1.9	-3.2	4.4
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation	6.0	1.4	1.8	4.5
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication	2.7	-1.3	2.9	1.6
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services	5.6	0.8	4.7	5.4
5.6 Perkhidmatan lain Other services	1.6	1.8	-4.9	1.3
Jumlah SMK Total GKS	3.6	-1.0	2.0	2.7

Jadual 1.4 SMK mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table 1.4 GKS by kind of economic activity and type of assets at constant 2015 prices

2020	Peratus sumbangan mengikut jenis aktiviti ekonomi <i>Percentage share by kind of economic activity</i>	Struktur <i>Structure</i>	Jentera dan peralatan <i>Machinery and equipment</i>	Aset lain <i>Other assets</i>	Jumlah <i>Total</i>
1. Pertanian <i>Agriculture</i>		1.2	2.6	13.5	2.5
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		13.9	10.7	29.3	14.7
3. Pembuatan <i>Manufacturing</i>		8.6	32.2	14.7	13.0
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		0.7	4.6	1.0	1.4
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		0.9	1.8	0.5	1.0
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		3.1	10.4	3.2	4.3
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		0.8	3.9	0.9	1.3
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		2.6	10.2	8.0	4.3
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		0.5	1.3	1.1	0.7
4. Pembinaan <i>Construction</i>		0.7	3.5	0.5	1.1
5. Perkhidmatan <i>Services</i>		75.6	51.0	42.1	68.6
5.1 Utiliti <i>Utilities</i>		7.5	9.8	4.2	7.6
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		3.9	3.7	4.1	3.9
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		0.9	1.8	0.4	1.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		13.2	23.6	8.8	14.5
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		24.7	5.2	13.5	20.5
5.6 Perkhidmatan lain <i>Other services</i>		25.5	6.8	11.1	21.1
Jumlah SMK <i>Total GKS</i>		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset <i>Percentage share by type of assets</i>	Struktur <i>Structure</i>	Jentera dan peralatan <i>Machinery and equipment</i>	Aset lain <i>Other assets</i>	Jumlah <i>Total</i>
1. Pertanian <i>Agriculture</i>		36.3	16.8	46.9	100.0
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		70.3	12.0	17.6	100.0
3. Pembuatan <i>Manufacturing</i>		49.1	40.9	10.0	100.0
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		38.1	55.3	6.6	100.0
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		65.6	30.2	4.3	100.0
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		53.3	40.1	6.6	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		45.5	48.5	6.0	100.0
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		44.5	39.0	16.5	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		56.8	30.0	13.1	100.0
4. Pembinaan <i>Construction</i>		44.9	51.4	3.8	100.0
5. Perkhidmatan <i>Services</i>		82.2	12.3	5.5	100.0
5.1 Utiliti <i>Utilities</i>		73.6	21.5	4.9	100.0
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		74.5	16.0	9.5	100.0
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		67.5	29.2	3.2	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		67.7	26.9	5.4	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		89.9	4.2	5.9	100.0
5.6 Perkhidmatan lain <i>Other services</i>		89.9	5.4	4.7	100.0
Jumlah SMK <i>Total GKS</i>		74.6	16.5	8.9	100.0

Jadual 1.4 SMK mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table 1.4 GKS by kind of economic activity and type of assets at constant 2015 prices

2021	Nilai akhir tahun (RM juta) End year value (RM million)	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		48,328	23,549	63,508	135,384
2. Perlombongan dan pengkuarian Mining and quarrying		546,862	80,374	138,606	765,842
3. Pembuatan Manufacturing		348,333	275,601	68,725	692,659
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		28,030	41,720	5,003	74,753
3.2 Produk tekstil dan kayu Textiles and wood products		34,319	15,265	2,316	51,901
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		126,624	86,745	15,620	228,989
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		32,306	33,500	4,293	70,099
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		105,364	88,070	36,810	230,243
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		21,691	10,300	4,682	36,673
4. Pembinaan Construction		27,262	30,993	2,229	60,485
5. Perkhidmatan Services		3,010,712	442,890	194,202	3,647,804
5.1 Utiliti Utilities		303,035	87,268	19,265	409,568
5.2 Perdagangan borong dan runcit Wholesale and retail trade		159,225	33,523	18,274	211,021
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		38,796	15,894	1,774	56,464
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		519,238	201,702	42,660	763,599
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		999,296	44,448	63,785	1,107,529
5.6 Perkhidmatan lain Other services		991,122	60,055	48,444	1,099,622
Jumlah SMK Total GKS		3,981,496	853,407	467,269	5,302,173
Perubahan peratusan tahunan Annual percentage change					
1. Pertanian Agriculture		1.1	6.3	2.7	2.7
2. Perlombongan dan pengkuarian Mining and quarrying		1.9	-12.5	3.1	0.4
3. Pembuatan Manufacturing		5.1	0.0	1.8	2.7
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		3.5	6.2	6.9	5.2
3.2 Produk tekstil dan kayu Textiles and wood products		0.0	-3.2	3.2	-0.8
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		7.3	-2.3	6.1	3.4
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		3.6	0.9	4.1	2.3
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		5.6	0.8	-0.2	2.8
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		3.0	-7.5	-3.7	-1.0
4. Pembinaan Construction		4.7	4.1	2.1	4.3
5. Perkhidmatan Services		3.2	1.4	0.4	2.8
5.1 Utiliti Utilities		5.1	3.8	0.3	4.6
5.2 Perdagangan borong dan runcit Wholesale and retail trade		6.8	4.5	-3.9	5.4
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		6.1	0.4	1.6	4.2
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		2.2	0.0	5.6	1.8
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		4.9	0.0	2.8	4.6
5.6 Perkhidmatan lain Other services		0.9	2.4	-5.2	0.7
Jumlah SMK Total GKS		3.2	-0.3	1.7	2.5

Jadual 1.4 SMK mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table 1.4 GKS by kind of economic activity and type of assets at constant 2015 prices

2021	Peratus sumbangan mengikut jenis aktiviti ekonomi <i>Percentage share by kind of economic activity</i>	Struktur <i>Structure</i>	Jentera dan peralatan <i>Machinery and equipment</i>	Aset lain <i>Other assets</i>	Jumlah <i>Total</i>
1. Pertanian <i>Agriculture</i>		1.2	2.8	13.6	2.6
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		13.7	9.4	29.7	14.4
3. Pembuatan <i>Manufacturing</i>		8.7	32.3	14.7	13.1
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		0.7	4.9	1.1	1.4
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		0.9	1.8	0.5	1.0
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		3.2	10.2	3.3	4.3
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		0.8	3.9	0.9	1.3
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		2.6	10.3	7.9	4.3
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		0.5	1.2	1.0	0.7
4. Pembinaan <i>Construction</i>		0.7	3.6	0.5	1.1
5. Perkhidmatan <i>Services</i>		75.6	51.9	41.6	68.8
5.1 Utiliti <i>Utilities</i>		7.6	10.2	4.1	7.7
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		4.0	3.9	3.9	4.0
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		1.0	1.9	0.4	1.1
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		13.0	23.6	9.1	14.4
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		25.1	5.2	13.7	20.9
5.6 Perkhidmatan lain <i>Other services</i>		24.9	7.0	10.4	20.7
Jumlah SMK <i>Total GKS</i>		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset <i>Percentage share by type of assets</i>	Struktur <i>Structure</i>	Jentera dan peralatan <i>Machinery and equipment</i>	Aset lain <i>Other assets</i>	Jumlah <i>Total</i>
1. Pertanian <i>Agriculture</i>		35.7	17.4	46.9	100.0
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		71.4	10.5	18.1	100.0
3. Pembuatan <i>Manufacturing</i>		50.3	39.8	9.9	100.0
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		37.5	55.8	6.7	100.0
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		66.1	29.4	4.5	100.0
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		55.3	37.9	6.8	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		46.1	47.8	6.1	100.0
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		45.8	38.3	16.0	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		59.1	28.1	12.8	100.0
4. Pembinaan <i>Construction</i>		45.1	51.2	3.7	100.0
5. Perkhidmatan <i>Services</i>		82.5	12.1	5.3	100.0
5.1 Utiliti <i>Utilities</i>		74.0	21.3	4.7	100.0
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		75.5	15.9	8.7	100.0
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		68.7	28.1	3.1	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		68.0	26.4	5.6	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		90.2	4.0	5.8	100.0
5.6 Perkhidmatan lain <i>Other services</i>		90.1	5.5	4.4	100.0
Jumlah SMK <i>Total GKS</i>		75.1	16.1	8.8	100.0



JADUAL STATISTIK

STATISTICAL TABLES

STOK MODAL BERSIH

NET CAPITAL STOCK



Jadual **2.1** **SMB mengikut jenis aktiviti ekonomi pada harga semasa**
Table **NKS by kind of economic activity at current prices**

Jenis aktiviti ekonomi Kind of economic activity	2019	2020 ^e	2021 ^p	2019	2020 ^e	2021 ^p
	Nilai akhir tahun (RM juta) End year value (RM million)			Perubahan peratusan tahunan Annual percentage change		
1. Pertanian Agriculture	71,839	72,271	73,344	4.1	0.6	1.5
2. Perlombongan dan pengkuarian Mining and quarrying	574,963	575,018	573,919	2.1	0.0	-0.2
3. Pembuatan Manufacturing	395,130	397,889	404,759	4.2	0.7	1.7
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco	38,815	39,816	41,586	3.2	2.6	4.4
3.2 Produk tekstil dan kayu Textiles and wood products	25,360	24,756	24,332	-1.9	-2.4	-1.7
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products	142,121	143,960	147,229	6.5	1.3	2.3
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	37,249	37,017	37,402	2.1	-0.6	1.0
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	131,724	132,823	134,902	4.8	0.8	1.6
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	19,861	19,515	19,308	-1.0	-1.7	-1.1
4. Pembinaan Construction	31,255	32,473	33,614	5.3	3.9	3.5
5. Perkhidmatan Services	2,245,065	2,309,020	2,367,565	4.0	2.8	2.5
5.1 Utiliti Utilities	210,556	221,233	236,199	4.9	5.1	6.8
5.2 Perdagangan borong dan runcit Wholesale and retail trade	128,874	135,318	143,394	5.9	5.0	6.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation	29,372	30,963	32,767	6.3	5.4	5.8
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication	469,276	472,756	478,153	5.1	0.7	1.1
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services	648,147	687,771	720,588	5.2	6.1	4.8
5.6 Perkhidmatan lain Other services	758,840	760,980	756,464	1.7	0.3	-0.6
Jumlah SMB Total NKS	3,318,252	3,386,670	3,453,202	3.7	2.1	2.0

Jenis aktiviti ekonomi Kind of economic activity	2019	2020 ^e	2021 ^p
	Peratus sumbangan SMB Percentage share of NKS		
1. Pertanian Agriculture	2.2	2.1	2.1
2. Perlombongan dan pengkuarian Mining and quarrying	17.3	17.0	16.6
3. Pembuatan Manufacturing	11.9	11.7	11.7
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco	1.2	1.2	1.2
3.2 Produk tekstil dan kayu Textiles and wood products	0.8	0.7	0.7
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products	4.3	4.3	4.3
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	1.1	1.1	1.1
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	4.0	3.9	3.9
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	0.6	0.6	0.6
4. Pembinaan Construction	0.9	1.0	1.0
5. Perkhidmatan Services	67.7	68.2	68.6
5.1 Utiliti Utilities	6.3	6.5	6.8
5.2 Perdagangan borong dan runcit Wholesale and retail trade	3.9	4.0	4.2
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation	0.9	0.9	0.9
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication	14.1	14.0	13.8
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services	19.5	20.3	20.9
5.6 Perkhidmatan lain Other services	22.9	22.5	21.9
Jumlah SMB Total NKS	100.0	100.0	100.0

Jadual 2.2 SMB mengikut jenis aktiviti ekonomi pada harga malar 2015
Table 2.2 NKS by kind of economic activity at constant 2015 prices

Jenis aktiviti ekonomi Kind of economic activity	2019	2020 ^e	2021 ^p	2019	2020 ^e	2021 ^p
	Nilai akhir tahun (RM juta) End year value (RM million)			Perubahan peratusan tahunan Annual percentage change		
1. Pertanian Agriculture	68,105	69,245	70,218	3.3	1.7	1.4
2. Perlombongan dan pengkuarian Mining and quarrying	558,716	558,498	556,731	1.3	0.0	-0.3
3. Pembuatan Manufacturing	377,824	379,397	384,818	3.5	0.4	1.4
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco	37,454	38,539	40,198	2.8	2.9	4.3
3.2 Produk tekstil dan kayu Textiles and wood products	24,290	23,687	23,251	-2.1	-2.5	-1.8
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products	135,510	136,518	138,991	5.7	0.7	1.8
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	35,934	35,750	36,019	1.6	-0.5	0.8
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	125,753	126,431	128,108	3.9	0.5	1.3
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	18,883	18,472	18,251	-1.7	-2.2	-1.2
4. Pembinaan Construction	30,203	31,451	32,518	5.0	4.1	3.4
5. Perkhidmatan Services	2,129,902	2,183,477	2,235,220	4.2	2.5	2.4
5.1 Utiliti Utilities	197,162	206,242	218,963	4.0	4.6	6.2
5.2 Perdagangan borong dan runcit Wholesale and retail trade	122,106	127,643	135,300	5.6	4.5	6.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation	28,010	29,390	31,125	6.0	4.9	5.9
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication	435,894	437,473	441,650	3.7	0.4	1.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services	638,369	675,609	707,774	8.1	5.8	4.8
5.6 Perkhidmatan lain Other services	708,360	707,120	700,408	1.0	-0.2	-0.9
Jumlah SMB Total NKS	3,164,749	3,222,069	3,279,505	3.6	1.8	1.8

Jenis aktiviti ekonomi Kind of economic activity	2019	2020 ^e	2021 ^p
	Peratus sumbangan SMB Percentage share of NKS		
1. Pertanian Agriculture	2.2	2.1	2.1
2. Perlombongan dan pengkuarian Mining and quarrying	17.7	17.3	17.0
3. Pembuatan Manufacturing	11.9	11.8	11.7
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco	1.2	1.2	1.2
3.2 Produk tekstil dan kayu Textiles and wood products	0.8	0.7	0.7
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products	4.3	4.2	4.2
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	1.1	1.1	1.1
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	4.0	3.9	3.9
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	0.6	0.6	0.6
4. Pembinaan Construction	1.0	1.0	1.0
5. Perkhidmatan Services	67.3	67.8	68.2
5.1 Utiliti Utilities	6.2	6.4	6.7
5.2 Perdagangan borong dan runcit Wholesale and retail trade	3.9	4.0	4.1
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation	0.9	0.9	0.9
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication	13.8	13.6	13.5
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services	20.2	21.0	21.6
5.6 Perkhidmatan lain Other services	22.4	21.9	21.4
Jumlah SMB Total NKS	100.0	100.0	100.0

Jadual 2.3 SMB mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table NKS by kind of economic activity and type of assets at current prices

2019	Nilai akhir tahun (RM juta) End year value (RM million)	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture	29,979	10,746	31,114	71,839	
2. Perlombongan dan pengkuarian Mining and quarrying	429,659	38,938	106,366	574,963	
3. Pembuatan Manufacturing	217,536	133,829	43,766	395,130	
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco	17,377	18,346	3,092	38,815	
3.2 Produk tekstil dan kayu Textiles and wood products	17,059	6,975	1,326	25,360	
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products	87,838	44,578	9,704	142,121	
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	18,549	16,101	2,600	37,249	
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	64,248	43,280	24,197	131,724	
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	12,465	4,550	2,847	19,861	
4. Pembinaan Construction	15,420	14,604	1,231	31,255	
5. Perkhidmatan Services	1,941,903	198,982	104,181	2,245,065	
5.1 Utiliti Utilities	158,806	40,759	10,992	210,556	
5.2 Perdagangan borong dan runcit Wholesale and retail trade	106,233	15,086	7,555	128,874	
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation	21,202	7,208	962	29,372	
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication	362,065	87,940	19,271	469,276	
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services	589,008	20,899	38,240	648,147	
5.6 Perkhidmatan lain Other services	704,589	27,091	27,161	758,840	
Jumlah SMB Total NKS	2,634,496	397,099	286,657	3,318,252	

Perubahan peratusan tahunan Annual percentage change	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture	4.3	10.4	1.9	4.1
2. Perlombongan dan pengkuarian Mining and quarrying	3.4	-13.4	3.4	2.1
3. Pembuatan Manufacturing	5.9	0.8	6.8	4.2
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco	-1.3	6.8	9.6	3.2
3.2 Produk tekstil dan kayu Textiles and wood products	-2.2	-2.2	4.8	-1.9
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products	11.0	-1.8	9.3	6.5
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	1.1	2.5	6.6	2.1
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	6.0	2.0	6.7	4.8
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	1.6	-6.7	-2.2	-1.0
4. Pembinaan Construction	6.2	4.7	1.3	5.3
5. Perkhidmatan Services	3.8	5.5	5.2	4.0
5.1 Utiliti Utilities	3.0	14.8	0.1	4.9
5.2 Perdagangan borong dan runcit Wholesale and retail trade	7.0	2.1	-0.4	5.9
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation	6.6	6.0	2.8	6.3
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication	5.6	3.0	5.7	5.1
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services	5.0	1.7	10.8	5.2
5.6 Perkhidmatan lain Other services	1.6	5.8	1.4	1.7
Jumlah SMB Total NKS	3.9	1.8	4.4	3.7

Jadual 2.3 SMB mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table NKS by kind of economic activity and type of assets at current prices

2019	Peratus sumbangan mengikut jenis aktiviti ekonomi Percentage share by kind of economic activity	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		1.1	2.7	10.9	2.2
2. Perlombongan dan pengkuarian Mining and quarrying		16.3	9.8	37.1	17.3
3. Pembuatan Manufacturing		8.3	33.7	15.3	11.9
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		0.7	4.6	1.1	1.2
3.2 Produk tekstil dan kayu Textiles and wood products		0.6	1.8	0.5	0.8
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		3.3	11.2	3.4	4.3
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		0.7	4.1	0.9	1.1
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		2.4	10.9	8.4	4.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		0.5	1.1	1.0	0.6
4. Pembinaan Construction		0.6	3.7	0.4	0.9
5. Perkhidmatan Services		73.7	50.1	36.3	67.7
5.1 Utiliti Utilities		6.0	10.3	3.8	6.3
5.2 Perdagangan borong dan runcit Wholesale and retail trade		4.0	3.8	2.6	3.9
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		0.8	1.8	0.3	0.9
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		13.7	22.1	6.7	14.1
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		22.4	5.3	13.3	19.5
5.6 Perkhidmatan lain Other services		26.7	6.8	9.5	22.9
Jumlah SMB Total NKS		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset Percentage share by type of assets	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		41.7	15.0	43.3	100.0
2. Perlombongan dan pengkuarian Mining and quarrying		74.7	6.8	18.5	100.0
3. Pembuatan Manufacturing		55.1	33.9	11.1	100.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		44.8	47.3	8.0	100.0
3.2 Produk tekstil dan kayu Textiles and wood products		67.3	27.5	5.2	100.0
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		61.8	31.4	6.8	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		49.8	43.2	7.0	100.0
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		48.8	32.9	18.4	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		62.8	22.9	14.3	100.0
4. Pembinaan Construction		49.3	46.7	3.9	100.0
5. Perkhidmatan Services		86.5	8.9	4.6	100.0
5.1 Utiliti Utilities		75.4	19.4	5.2	100.0
5.2 Perdagangan borong dan runcit Wholesale and retail trade		82.4	11.7	5.9	100.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		72.2	24.5	3.3	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		77.2	18.7	4.1	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		90.9	3.2	5.9	100.0
5.6 Perkhidmatan lain Other services		92.9	3.6	3.6	100.0
Jumlah SMB Total NKS		79.4	12.0	8.6	100.0

Jadual 2.3 SMB mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table NKS by kind of economic activity and type of assets at current prices

2020	Nilai akhir tahun (RM juta) End year value (RM million)	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		30,839	11,085	30,347	72,271
2. Perlombongan dan pengkuarian Mining and quarrying		436,141	30,050	108,826	575,018
3. Pembuatan Manufacturing		229,680	123,234	44,974	397,889
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		17,321	19,190	3,306	39,816
3.2 Produk tekstil dan kayu Textiles and wood products		16,901	6,483	1,372	24,756
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		95,843	37,834	10,283	143,960
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		18,947	15,343	2,727	37,017
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		67,883	40,398	24,542	132,823
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		12,785	3,986	2,744	19,515
4. Pembinaan Construction		16,802	14,421	1,250	32,473
5. Perkhidmatan Services		2,011,990	192,938	104,091	2,309,020
5.1 Utiliti Utilities		168,295	41,975	10,963	221,233
5.2 Perdagangan borong dan runcit Wholesale and retail trade		113,836	14,037	7,445	135,318
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		23,164	6,809	990	30,963
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		368,779	83,605	20,372	472,756
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		628,851	19,315	39,605	687,771
5.6 Perkhidmatan lain Other services		709,065	27,198	24,717	760,980
Jumlah SMB Total NKS		2,725,453	371,728	289,489	3,386,670
	Perubahan peratusan tahunan Annual percentage change	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		2.9	3.2	-2.5	0.6
2. Perlombongan dan pengkuarian Mining and quarrying		1.5	-22.8	2.3	0.0
3. Pembuatan Manufacturing		5.6	-7.9	2.8	0.7
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		-0.3	4.6	6.9	2.6
3.2 Produk tekstil dan kayu Textiles and wood products		-0.9	-7.1	3.5	-2.4
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		9.1	-15.1	6.0	1.3
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		2.1	-4.7	4.9	-0.6
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		5.7	-6.7	1.4	0.8
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		2.6	-12.4	-3.6	-1.7
4. Pembinaan Construction		9.0	-1.3	1.6	3.9
5. Perkhidmatan Services		3.6	-3.0	-0.1	2.8
5.1 Utiliti Utilities		6.0	3.0	-0.3	5.1
5.2 Perdagangan borong dan runcit Wholesale and retail trade		7.2	-7.0	-1.5	5.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		9.3	-5.5	2.9	5.4
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		1.9	-4.9	5.7	0.7
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		6.8	-7.6	3.6	6.1
5.6 Perkhidmatan lain Other services		0.6	0.4	-9.0	0.3
Jumlah SMB Total NKS		3.5	-6.4	1.0	2.1

Jadual 2.3 SMB mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table NKS by kind of economic activity and type of assets at current prices

2020	Peratus sumbangan mengikut jenis aktiviti ekonomi Percentage share by kind of economic activity	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		1.1	3.0	10.5	2.1
2. Perlombongan dan pengkuarian Mining and quarrying		16.0	8.1	37.6	17.0
3. Pembuatan Manufacturing		8.4	33.2	15.5	11.7
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		0.6	5.2	1.1	1.2
3.2 Produk tekstil dan kayu Textiles and wood products		0.6	1.7	0.5	0.7
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		3.5	10.2	3.6	4.3
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		0.7	4.1	0.9	1.1
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		2.5	10.9	8.5	3.9
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		0.5	1.1	0.9	0.6
4. Pembinaan Construction		0.6	3.9	0.4	1.0
5. Perkhidmatan Services		73.8	51.9	36.0	68.2
5.1 Utiliti Utilities		6.2	11.3	3.8	6.5
5.2 Perdagangan borong dan runcit Wholesale and retail trade		4.2	3.8	2.6	4.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		0.8	1.8	0.3	0.9
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		13.5	22.5	7.0	14.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		23.1	5.2	13.7	20.3
5.6 Perkhidmatan lain Other services		26.0	7.3	8.5	22.5
Jumlah SMB Total NKS		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset Percentage share by type of assets	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		42.7	15.3	42.0	100.0
2. Perlombongan dan pengkuarian Mining and quarrying		75.8	5.2	18.9	100.0
3. Pembuatan Manufacturing		57.7	31.0	11.3	100.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		43.5	48.2	8.3	100.0
3.2 Produk tekstil dan kayu Textiles and wood products		68.3	26.2	5.5	100.0
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		66.6	26.3	7.1	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		51.2	41.4	7.4	100.0
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		51.1	30.4	18.5	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		65.5	20.4	14.1	100.0
4. Pembinaan Construction		51.7	44.4	3.8	100.0
5. Perkhidmatan Services		87.1	8.4	4.5	100.0
5.1 Utiliti Utilities		76.1	19.0	5.0	100.0
5.2 Perdagangan borong dan runcit Wholesale and retail trade		84.1	10.4	5.5	100.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		74.8	22.0	3.2	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		78.0	17.7	4.3	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		91.4	2.8	5.8	100.0
5.6 Perkhidmatan lain Other services		93.2	3.6	3.2	100.0
Jumlah SMB Total NKS		80.5	11.0	8.5	100.0

Jadual 2.3 SMB mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table NKS by kind of economic activity and type of assets at current prices

2021	Nilai akhir tahun (RM juta) End year value (RM million)	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		31,303	11,555	30,486	73,344
2. Perlombongan dan pengkuarian Mining and quarrying		438,916	24,084	110,919	573,919
3. Pembuatan Manufacturing		242,194	117,557	45,008	404,759
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		17,936	20,216	3,434	41,586
3.2 Produk tekstil dan kayu Textiles and wood products		16,737	6,204	1,391	24,332
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		102,795	33,681	10,753	147,229
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		19,721	14,901	2,781	37,402
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		71,923	38,934	24,045	134,902
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		13,082	3,622	2,604	19,308
4. Pembinaan Construction		17,770	14,584	1,260	33,614
5. Perkhidmatan Services		2,070,341	193,306	103,919	2,367,565
5.1 Utiliti Utilities		182,692	42,757	10,750	236,199
5.2 Perdagangan borong dan runcit Wholesale and retail trade		121,266	14,961	7,167	143,394
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		25,199	6,560	1,008	32,767
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		372,671	83,179	22,303	478,153
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		662,591	18,194	39,804	720,588
5.6 Perkhidmatan lain Other services		705,922	27,655	22,887	756,464
Jumlah SMB Total NKS		2,800,524	361,086	291,592	3,453,202
Perubahan peratusan tahunan Annual percentage change		Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		1.5	4.2	0.5	1.5
2. Perlombongan dan pengkuarian Mining and quarrying		0.6	-19.9	1.9	-0.2
3. Pembuatan Manufacturing		5.4	-4.6	0.1	1.7
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		3.6	5.3	3.9	4.4
3.2 Produk tekstil dan kayu Textiles and wood products		-1.0	-4.3	1.3	-1.7
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		7.3	-11.0	4.6	2.3
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		4.1	-2.9	2.0	1.0
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		6.0	-3.6	-2.0	1.6
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		2.3	-9.1	-5.1	-1.1
4. Pembinaan Construction		5.8	1.1	0.8	3.5
5. Perkhidmatan Services		2.9	0.2	-0.2	2.5
5.1 Utiliti Utilities		8.6	1.9	-1.9	6.8
5.2 Perdagangan borong dan runcit Wholesale and retail trade		6.5	6.6	-3.7	6.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		8.8	-3.6	1.8	5.8
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		1.1	-0.5	9.5	1.1
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		5.4	-5.8	0.5	4.8
5.6 Perkhidmatan lain Other services		-0.4	1.7	-7.4	-0.6
Jumlah SMB Total NKS		2.8	-2.9	0.7	2.0

Jadual 2.3 SMB mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table NKS by kind of economic activity and type of assets at current prices

2021	Peratus sumbangan mengikut jenis aktiviti ekonomi Percentage share by kind of economic activity	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		1.1	3.2	10.5	2.1
2. Perlombongan dan pengkuarian Mining and quarrying		15.7	6.7	38.0	16.6
3. Pembuatan Manufacturing		8.6	32.6	15.4	11.7
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		0.6	5.6	1.2	1.2
3.2 Produk tekstil dan kayu Textiles and wood products		0.6	1.7	0.5	0.7
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		3.7	9.3	3.7	4.3
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		0.7	4.1	1.0	1.1
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		2.6	10.8	8.2	3.9
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		0.5	1.0	0.9	0.6
4. Pembinaan Construction		0.6	4.0	0.4	1.0
5. Perkhidmatan Services		73.9	53.5	35.6	68.6
5.1 Utiliti Utilities		6.5	11.8	3.7	6.8
5.2 Perdagangan borong dan runcit Wholesale and retail trade		4.3	4.1	2.5	4.2
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		0.9	1.8	0.3	0.9
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		13.3	23.0	7.6	13.8
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		23.7	5.0	13.7	20.9
5.6 Perkhidmatan lain Other services		25.2	7.7	7.8	21.9
Jumlah SMB Total NKS		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset Percentage share by type of assets	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		42.7	15.8	41.6	100.0
2. Perlombongan dan pengkuarian Mining and quarrying		76.5	4.2	19.3	100.0
3. Pembuatan Manufacturing		59.8	29.0	11.1	100.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		43.1	48.6	8.3	100.0
3.2 Produk tekstil dan kayu Textiles and wood products		68.8	25.5	5.7	100.0
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		69.8	22.9	7.3	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		52.7	39.8	7.4	100.0
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		53.3	28.9	17.8	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		67.8	18.8	13.5	100.0
4. Pembinaan Construction		52.9	43.4	3.7	100.0
5. Perkhidmatan Services		87.4	8.2	4.4	100.0
5.1 Utiliti Utilities		77.3	18.1	4.6	100.0
5.2 Perdagangan borong dan runcit Wholesale and retail trade		84.6	10.4	5.0	100.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		76.9	20.0	3.1	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		77.9	17.4	4.7	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		92.0	2.5	5.5	100.0
5.6 Perkhidmatan lain Other services		93.3	3.7	3.0	100.0
Jumlah SMB Total NKS		81.1	10.5	8.4	100.0

Jadual 2.4 SMB mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table NKS by kind of economic activity and type of assets at constant 2015 prices

2019	Nilai akhir tahun (RM juta) End year value (RM million)	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		27,997	10,482	29,626	68,105
2. Perlombongan dan pengkuarian Mining and quarrying		417,430	37,941	103,345	558,716
3. Pembuatan Manufacturing		205,490	132,495	39,839	377,824
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		16,484	18,153	2,817	37,454
3.2 Produk tekstil dan kayu Textiles and wood products		16,186	6,896	1,208	24,290
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		82,619	44,043	8,848	135,510
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		17,594	15,971	2,368	35,934
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		60,802	42,945	22,006	125,753
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		11,805	4,486	2,592	18,883
4. Pembinaan Construction		14,722	14,356	1,125	30,203
5. Perkhidmatan Services		1,841,072	194,164	94,665	2,129,902
5.1 Utiliti Utilities		146,937	40,314	9,911	197,162
5.2 Perdagangan borong dan runcit Wholesale and retail trade		100,671	14,527	6,909	122,106
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		20,059	7,074	878	28,010
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		333,341	85,079	17,474	435,894
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		582,809	20,504	35,056	638,369
5.6 Perkhidmatan lain Other services		657,255	26,667	24,439	708,360
Jumlah SMB Total NKS		2,506,712	389,437	268,600	3,164,749
	Perubahan peratusan tahunan Annual percentage change	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		3.9	8.9	0.9	3.3
2. Perlombongan dan pengkuarian Mining and quarrying		2.7	-14.4	2.6	1.3
3. Pembuatan Manufacturing		5.8	0.1	3.2	3.5
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		-1.1	6.1	6.1	2.8
3.2 Produk tekstil dan kayu Textiles and wood products		-2.1	-2.9	1.8	-2.1
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		10.6	-2.6	5.9	5.7
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		1.2	1.9	3.3	1.6
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		6.0	1.4	3.0	3.9
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		1.7	-7.5	-5.5	-1.7
4. Pembinaan Construction		6.8	3.7	-1.0	5.0
5. Perkhidmatan Services		4.3	4.2	2.3	4.2
5.1 Utiliti Utilities		2.0	14.1	-2.7	4.0
5.2 Perdagangan borong dan runcit Wholesale and retail trade		7.0	0.2	-2.1	5.6
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		6.6	5.1	0.6	6.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		4.4	1.3	2.9	3.7
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		8.3	0.8	8.9	8.1
5.6 Perkhidmatan lain Other services		1.0	4.8	-3.1	1.0
Jumlah SMB Total NKS		4.2	0.8	2.4	3.6

Jadual 2.4 SMB mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table NKS by kind of economic activity and type of assets at constant 2015 prices

2019	Peratus sumbangan mengikut jenis aktiviti ekonomi Percentage share by kind of economic activity	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		1.1	2.7	11.0	2.2
2. Perlombongan dan pengkuarian Mining and quarrying		16.7	9.7	38.5	17.7
3. Pembuatan Manufacturing		8.2	34.0	14.8	11.9
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		0.7	4.7	1.0	1.2
3.2 Produk tekstil dan kayu Textiles and wood products		0.6	1.8	0.4	0.8
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		3.3	11.3	3.3	4.3
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		0.7	4.1	0.9	1.1
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		2.4	11.0	8.2	4.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		0.5	1.2	1.0	0.6
4. Pembinaan Construction		0.6	3.7	0.4	1.0
5. Perkhidmatan Services		73.4	49.9	35.2	67.3
5.1 Utiliti Utilities		5.9	10.4	3.7	6.2
5.2 Perdagangan borong dan runcit Wholesale and retail trade		4.0	3.7	2.6	3.9
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		0.8	1.8	0.3	0.9
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		13.3	21.8	6.5	13.8
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		23.2	5.3	13.1	20.2
5.6 Perkhidmatan lain Other services		26.2	6.8	9.1	22.4
Jumlah SMB Total NKS		100.0	100.0	100.0	100.0

	Peratus sumbangan mengikut jenis aset Percentage share by type of assets	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		41.1	15.4	43.5	100.0
2. Perlombongan dan pengkuarian Mining and quarrying		74.7	6.8	18.5	100.0
3. Pembuatan Manufacturing		54.4	35.1	10.5	100.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		44.0	48.5	7.5	100.0
3.2 Produk tekstil dan kayu Textiles and wood products		66.6	28.4	5.0	100.0
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		61.0	32.5	6.5	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		49.0	44.4	6.6	100.0
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		48.4	34.2	17.5	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		62.5	23.8	13.7	100.0
4. Pembinaan Construction		48.7	47.5	3.7	100.0
5. Perkhidmatan Services		86.4	9.1	4.4	100.0
5.1 Utiliti Utilities		74.5	20.4	5.0	100.0
5.2 Perdagangan borong dan runcit Wholesale and retail trade		82.4	11.9	5.7	100.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		71.6	25.3	3.1	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		76.5	19.5	4.0	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		91.3	3.2	5.5	100.0
5.6 Perkhidmatan lain Other services		92.8	3.8	3.5	100.0
Jumlah SMB Total NKS		79.2	12.3	8.5	100.0

Jadual 2.4 SMB mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table NKS by kind of economic activity and type of assets at constant 2015 prices

2020	Nilai akhir tahun (RM juta) End year value (RM million)	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		28,628	10,974	29,643	69,245
2. Perlombongan dan pengkuarian Mining and quarrying		423,257	29,633	105,608	558,498
3. Pembuatan Manufacturing		215,814	123,429	40,155	379,397
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		16,350	19,234	2,956	38,539
3.2 Produk tekstil dan kayu Textiles and wood products		15,969	6,490	1,228	23,687
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		89,594	37,716	9,207	136,518
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		17,890	15,421	2,439	35,750
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		63,956	40,601	21,874	126,431
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		12,055	3,967	2,450	18,472
4. Pembinaan Construction		15,979	14,345	1,127	31,451
5. Perkhidmatan Services		1,899,301	190,426	93,750	2,183,477
5.1 Utiliti Utilities		154,551	42,038	9,654	206,242
5.2 Perdagangan borong dan runcit Wholesale and retail trade		107,363	13,568	6,713	127,643
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		21,809	6,692	889	29,390
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		337,363	82,019	18,091	437,473
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		620,652	19,026	35,931	675,609
5.6 Perkhidmatan lain Other services		657,563	27,084	22,474	707,120
Jumlah SMB Total NKS		2,582,980	368,807	270,283	3,222,069
	Perubahan peratusan tahunan Annual percentage change	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		2.3	4.7	0.1	1.7
2. Perlombongan dan pengkuarian Mining and quarrying		1.4	-21.9	2.2	0.0
3. Pembuatan Manufacturing		5.0	-6.8	0.8	0.4
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		-0.8	6.0	4.9	2.9
3.2 Produk tekstil dan kayu Textiles and wood products		-1.3	-5.9	1.7	-2.5
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		8.4	-14.4	4.1	0.7
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		1.7	-3.4	3.0	-0.5
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		5.2	-5.5	-0.6	0.5
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		2.1	-11.6	-5.5	-2.2
4. Pembinaan Construction		8.5	-0.1	0.1	4.1
5. Perkhidmatan Services		3.2	-1.9	-1.0	2.5
5.1 Utiliti Utilities		5.2	4.3	-2.6	4.6
5.2 Perdagangan borong dan runcit Wholesale and retail trade		6.6	-6.6	-2.8	4.5
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		8.7	-5.4	1.3	4.9
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		1.2	-3.6	3.5	0.4
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		6.5	-7.2	2.5	5.8
5.6 Perkhidmatan lain Other services		0.0	1.6	-8.0	-0.2
Jumlah SMB Total NKS		3.0	-5.3	0.6	1.8

Jadual 2.4 SMB mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table NKS by kind of economic activity and type of assets at constant 2015 prices

2020	Peratus sumbangan mengikut jenis aktiviti ekonomi Percentage share by kind of economic activity	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		1.1	3.0	11.0	2.1
2. Perlombongan dan pengkuarian Mining and quarrying		16.4	8.0	39.1	17.3
3. Pembuatan Manufacturing		8.4	33.5	14.9	11.8
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		0.6	5.2	1.1	1.2
3.2 Produk tekstil dan kayu Textiles and wood products		0.6	1.8	0.5	0.7
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		3.5	10.2	3.4	4.2
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		0.7	4.2	0.9	1.1
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		2.5	11.0	8.1	3.9
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		0.5	1.1	0.9	0.6
4. Pembinaan Construction		0.6	3.9	0.4	1.0
5. Perkhidmatan Services		73.5	51.6	34.7	67.8
5.1 Utiliti Utilities		6.0	11.4	3.6	6.4
5.2 Perdagangan borong dan runcit Wholesale and retail trade		4.2	3.7	2.5	4.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		0.8	1.8	0.3	0.9
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		13.1	22.2	6.7	13.6
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		24.0	5.2	13.3	21.0
5.6 Perkhidmatan lain Other services		25.5	7.3	8.3	21.9
Jumlah SMB Total NKS		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset Percentage share by type of assets	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		41.3	15.8	42.8	100.0
2. Perlombongan dan pengkuarian Mining and quarrying		75.8	5.3	18.9	100.0
3. Pembuatan Manufacturing		56.9	32.5	10.6	100.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		42.4	49.9	7.7	100.0
3.2 Produk tekstil dan kayu Textiles and wood products		67.4	27.4	5.2	100.0
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		65.6	27.6	6.7	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		50.0	43.1	6.8	100.0
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		50.6	32.1	17.3	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		65.3	21.5	13.3	100.0
4. Pembinaan Construction		50.8	45.6	3.6	100.0
5. Perkhidmatan Services		87.0	8.7	4.3	100.0
5.1 Utiliti Utilities		74.9	20.4	4.7	100.0
5.2 Perdagangan borong dan runcit Wholesale and retail trade		84.1	10.6	5.3	100.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		74.2	22.8	3.0	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		77.1	18.7	4.1	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		91.9	2.8	5.3	100.0
5.6 Perkhidmatan lain Other services		93.0	3.8	3.2	100.0
Jumlah SMB Total NKS		80.2	11.4	8.4	100.0

Jadual 2.4 SMB mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table NKS by kind of economic activity and type of assets at constant 2015 prices

2021	Nilai akhir tahun (RM juta) End year value (RM million)	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		28,928	11,570	29,720	70,218
2. Perlombongan dan pengkuarian Mining and quarrying		425,039	24,136	107,556	556,731
3. Pembuatan Manufacturing		226,987	117,764	40,067	384,818
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		16,894	20,244	3,060	40,198
3.2 Produk tekstil dan kayu Textiles and wood products		15,799	6,212	1,240	23,251
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		95,710	33,686	9,595	138,991
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		18,598	14,942	2,479	36,019
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		67,669	39,065	21,374	128,108
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		12,317	3,616	2,318	18,251
4. Pembinaan Construction		16,893	14,496	1,129	32,518
5. Perkhidmatan Services		1,949,319	192,748	93,152	2,235,220
5.1 Utiliti Utilities		166,633	42,877	9,454	218,963
5.2 Perdagangan borong dan runcit Wholesale and retail trade		114,183	14,690	6,427	135,300
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		23,685	6,539	902	31,125
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		339,056	82,822	19,772	441,650
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		653,878	18,129	35,766	707,774
5.6 Perkhidmatan lain Other services		651,885	27,692	20,831	700,408
Jumlah SMB Total NKS		2,647,166	360,715	271,624	3,279,505
Perubahan peratusan tahunan Annual percentage change		Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		1.0	5.4	0.3	1.4
2. Perlombongan dan pengkuarian Mining and quarrying		0.4	-18.5	1.8	-0.3
3. Pembuatan Manufacturing		5.2	-4.6	-0.2	1.4
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		3.3	5.3	3.5	4.3
3.2 Produk tekstil dan kayu Textiles and wood products		-1.1	-4.3	1.0	-1.8
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		6.8	-10.7	4.2	1.8
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		4.0	-3.1	1.6	0.8
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		5.8	-3.8	-2.3	1.3
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		2.2	-8.8	-5.4	-1.2
4. Pembinaan Construction		5.7	1.1	0.2	3.4
5. Perkhidmatan Services		2.6	1.2	-0.6	2.4
5.1 Utiliti Utilities		7.8	2.0	-2.1	6.2
5.2 Perdagangan borong dan runcit Wholesale and retail trade		6.4	8.3	-4.3	6.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		8.6	-2.3	1.4	5.9
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		0.5	1.0	9.3	1.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		5.4	-4.7	-0.5	4.8
5.6 Perkhidmatan lain Other services		-0.9	2.2	-7.3	-0.9
Jumlah SMB Total NKS		2.5	-2.2	0.5	1.8

Jadual 2.4 SMB mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table NKS by kind of economic activity and type of assets at constant 2015 prices

2021	Peratus sumbangan mengikut jenis aktiviti ekonomi Percentage share by kind of economic activity	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		1.1	3.2	10.9	2.1
2. Perlombongan dan pengkuarian Mining and quarrying		16.1	6.7	39.6	17.0
3. Pembuatan Manufacturing		8.6	32.6	14.8	11.7
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		0.6	5.6	1.1	1.2
3.2 Produk tekstil dan kayu Textiles and wood products		0.6	1.7	0.5	0.7
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		3.6	9.3	3.5	4.2
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		0.7	4.1	0.9	1.1
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		2.6	10.8	7.9	3.9
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		0.5	1.0	0.9	0.6
4. Pembinaan Construction		0.6	4.0	0.4	1.0
5. Perkhidmatan Services		73.6	53.4	34.3	68.2
5.1 Utiliti Utilities		6.3	11.9	3.5	6.7
5.2 Perdagangan borong dan runcit Wholesale and retail trade		4.3	4.1	2.4	4.1
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		0.9	1.8	0.3	0.9
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		12.8	23.0	7.3	13.5
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		24.7	5.0	13.2	21.6
5.6 Perkhidmatan lain Other services		24.6	7.7	7.7	21.4
Jumlah SMB Total NKS		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset Percentage share by type of assets	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		41.2	16.5	42.3	100.0
2. Perlombongan dan pengkuarian Mining and quarrying		76.4	4.3	19.3	100.0
3. Pembuatan Manufacturing		59.0	30.6	10.4	100.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		42.0	50.4	7.6	100.0
3.2 Produk tekstil dan kayu Textiles and wood products		67.9	26.7	5.3	100.0
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		68.9	24.2	6.9	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		51.6	41.5	6.9	100.0
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		52.8	30.5	16.7	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		67.5	19.8	12.7	100.0
4. Pembinaan Construction		51.9	44.6	3.5	100.0
5. Perkhidmatan Services		87.2	8.6	4.2	100.0
5.1 Utiliti Utilities		76.1	19.6	4.3	100.0
5.2 Perdagangan borong dan runcit Wholesale and retail trade		84.4	10.9	4.8	100.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		76.1	21.0	2.9	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		76.8	18.8	4.5	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		92.4	2.6	5.1	100.0
5.6 Perkhidmatan lain Other services		93.1	4.0	3.0	100.0
Jumlah SMB Total NKS		80.7	11.0	8.3	100.0



JADUAL STATISTIK

STATISTICAL TABLES

STOK MODAL PRODUKTIF

PRODUCTIVE CAPITAL STOCK



Jadual **3.1** **SMP mengikut jenis aktiviti ekonomi pada harga semasa**
Table **PKS by kind of economic activity at current prices**

Jenis aktiviti ekonomi Kind of economic activity	2019	2020 ^e	2021 ^p	2019	2020 ^e	2021 ^p
	Nilai akhir tahun (RM juta) End year value (RM million)			Perubahan peratusan tahunan Annual percentage change		
1. Pertanian Agriculture	99,941	101,113	103,214	4.5	1.2	2.1
2. Perlombongan dan pengkuarian Mining and quarrying	733,527	741,376	747,200	3.2	1.1	0.8
3. Pembuatan Manufacturing	545,723	555,195	567,761	4.7	1.7	2.3
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco	54,338	56,254	59,036	4.3	3.5	4.9
3.2 Produk tekstil dan kayu Textiles and wood products	39,071	38,412	37,883	-1.2	-1.7	-1.4
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products	183,904	188,606	194,103	7.3	2.6	2.9
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	52,919	53,271	54,227	2.9	0.7	1.8
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	185,433	188,970	193,164	5.1	1.9	2.2
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	30,058	29,682	29,348	-0.3	-1.3	-1.1
4. Pembinaan Construction	43,731	45,528	47,247	5.5	4.1	3.8
5. Perkhidmatan Services	2,922,097	3,011,965	3,095,190	4.0	3.1	2.8
5.1 Utiliti Utilities	301,870	314,850	332,072	4.4	4.3	5.5
5.2 Perdagangan borong dan runcit Wholesale and retail trade	163,952	172,289	182,209	5.9	5.1	5.8
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation	41,057	42,992	44,938	5.8	4.7	4.5
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication	624,178	632,189	641,777	5.1	1.3	1.5
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services	831,395	880,036	921,694	4.5	5.9	4.7
5.6 Perkhidmatan lain Other services	959,645	969,609	972,501	2.3	1.0	0.3
Jumlah SMP Total PKS	4,345,020	4,455,176	4,560,611	4.0	2.5	2.4

Jenis aktiviti ekonomi Kind of economic activity	2019	2020 ^e	2021 ^p
	Peratus sumbangan SMP Percentage share of PKS		
1. Pertanian Agriculture	2.3	2.3	2.3
2. Perlombongan dan pengkuarian Mining and quarrying	16.9	16.6	16.4
3. Pembuatan Manufacturing	12.6	12.5	12.4
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco	1.3	1.3	1.3
3.2 Produk tekstil dan kayu Textiles and wood products	0.9	0.9	0.8
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products	4.2	4.2	4.3
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	1.2	1.2	1.2
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	4.3	4.2	4.2
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	0.7	0.7	0.6
4. Pembinaan Construction	1.0	1.0	1.0
5. Perkhidmatan Services	67.3	67.6	67.9
5.1 Utiliti Utilities	6.9	7.1	7.3
5.2 Perdagangan borong dan runcit Wholesale and retail trade	3.8	3.9	4.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation	0.9	1.0	1.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication	14.4	14.2	14.1
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services	19.1	19.8	20.2
5.6 Perkhidmatan lain Other services	22.1	21.8	21.3
Jumlah SMP Total PKS	100.0	100.0	100.0

Jadual **3.2** **SMP mengikut jenis aktiviti ekonomi pada harga malar 2015**
Table **PKS by kind of economic activity at constant 2015 prices**

Jenis aktiviti ekonomi Kind of economic activity	2019	2020 ^e	2021 ^p	2019	2020 ^e	2021 ^p
	Nilai akhir tahun (RM juta) End year value (RM million)			Perubahan peratusan tahunan Annual percentage change		
1. Pertanian Agriculture	94,762	96,987	98,957	3.6	2.3	2.0
2. Perlombongan dan pengkuarian Mining and quarrying	712,835	720,264	725,235	2.4	1.0	0.7
3. Pembuatan Manufacturing	522,241	530,195	540,894	4.0	1.5	2.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco	52,462	54,485	57,113	3.8	3.9	4.8
3.2 Produk tekstil dan kayu Textiles and wood products	37,432	36,765	36,214	-1.4	-1.8	-1.5
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products	175,759	179,530	184,101	6.4	2.1	2.5
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	51,077	51,502	52,294	2.4	0.8	1.5
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	176,943	179,829	183,445	4.1	1.6	2.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	28,569	28,083	27,728	-1.1	-1.7	-1.3
4. Pembinaan Construction	42,261	44,122	45,751	5.2	4.4	3.7
5. Perkhidmatan Services	2,772,807	2,849,459	2,924,025	4.1	2.8	2.6
5.1 Utiliti Utilities	282,262	293,233	307,819	3.4	3.9	5.0
5.2 Perdagangan borong dan runcit Wholesale and retail trade	155,394	162,631	172,059	5.6	4.7	5.8
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation	39,211	40,895	42,808	5.5	4.3	4.7
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication	580,410	586,009	594,229	3.6	1.0	1.4
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services	818,804	864,462	905,196	7.3	5.6	4.7
5.6 Perkhidmatan lain Other services	896,727	902,228	901,914	1.6	0.6	0.0
Jumlah SMP Total PKS	4,144,907	4,241,025	4,334,863	3.8	2.3	2.2

Jenis aktiviti ekonomi Kind of economic activity	2019	2020 ^e	2021 ^p
	Peratus sumbangan SMP Percentage share of PKS		
1. Pertanian Agriculture	2.3	2.3	2.3
2. Perlombongan dan pengkuarian Mining and quarrying	17.2	17.0	16.7
3. Pembuatan Manufacturing	12.6	12.5	12.5
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco	1.3	1.3	1.3
3.2 Produk tekstil dan kayu Textiles and wood products	0.9	0.9	0.8
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products	4.2	4.2	4.2
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	1.2	1.2	1.2
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	4.3	4.2	4.2
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	0.7	0.7	0.6
4. Pembinaan Construction	1.0	1.0	1.1
5. Perkhidmatan Services	66.9	67.2	67.4
5.1 Utiliti Utilities	6.8	6.9	7.1
5.2 Perdagangan borong dan runcit Wholesale and retail trade	3.7	3.8	4.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation	0.9	1.0	1.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication	14.0	13.8	13.7
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services	19.8	20.4	20.9
5.6 Perkhidmatan lain Other services	21.6	21.3	20.8
Jumlah SMP Total PKS	100.0	100.0	100.0

Jadual 3.3 SMP mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table 3.3 PKS by kind of economic activity and type of assets at current prices

2019	Nilai akhir tahun (RM juta) End year value (RM million)	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		39,337	15,659	44,946	99,941
2. Perlombongan dan pengkuarian Mining and quarrying		533,098	66,989	133,440	733,527
3. Pembuatan Manufacturing		277,503	199,605	68,614	545,723
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		22,971	26,985	4,383	54,338
3.2 Produk tekstil dan kayu Textiles and wood products		26,122	10,983	1,966	39,071
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		102,731	66,924	14,248	183,904
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		25,351	23,720	3,848	52,919
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		83,079	63,377	38,977	185,433
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		17,250	7,616	5,192	30,058
4. Pembinaan Construction		20,427	21,487	1,817	43,731
5. Perkhidmatan Services		2,463,194	306,217	152,686	2,922,097
5.1 Utiliti Utilities		227,317	58,861	15,691	301,870
5.2 Perdagangan borong dan runcit Wholesale and retail trade		128,566	23,754	11,632	163,952
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		28,401	11,280	1,375	41,057
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		455,888	139,329	28,961	624,178
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		748,540	32,334	50,522	831,395
5.6 Perkhidmatan lain Other services		874,481	40,659	44,505	959,645
Jumlah SMP Total PKS		3,333,559	609,958	401,503	4,345,020
	Perubahan peratusan tahunan Annual percentage change	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		3.8	10.2	3.2	4.5
2. Perlombongan dan pengkuarian Mining and quarrying		4.5	-8.7	4.7	3.2
3. Pembuatan Manufacturing		5.7	2.4	8.0	4.7
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		-0.1	6.9	12.5	4.3
3.2 Produk tekstil dan kayu Textiles and wood products		-1.4	-1.9	7.0	-1.2
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		10.9	1.5	11.5	7.3
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		1.5	3.4	9.1	2.9
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		5.7	3.2	7.1	5.1
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		2.1	-6.2	1.4	-0.3
4. Pembinaan Construction		5.2	6.0	3.4	5.5
5. Perkhidmatan Services		3.7	5.1	5.4	4.0
5.1 Utiliti Utilities		2.8	12.0	1.7	4.4
5.2 Perdagangan borong dan runcit Wholesale and retail trade		7.2	3.3	-1.3	5.9
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		5.3	7.5	3.6	5.8
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		5.8	2.7	5.8	5.1
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		4.1	4.5	11.1	4.5
5.6 Perkhidmatan lain Other services		2.2	5.1	2.3	2.3
Jumlah SMP Total PKS		4.0	2.7	5.3	4.0

Jadual 3.3 SMP mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table **3.3** **PKS by kind of economic activity and type of assets at current prices**

2019	Peratus sumbangan mengikut jenis aktiviti ekonomi Percentage share by kind of economic activity	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		1.2	2.6	11.2	2.3
2. Perlombongan dan pengkuarian Mining and quarrying		16.0	11.0	33.2	16.9
3. Pembuatan Manufacturing		8.3	32.7	17.1	12.6
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		0.7	4.4	1.1	1.3
3.2 Produk tekstil dan kayu Textiles and wood products		0.8	1.8	0.5	0.9
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		3.1	11.0	3.5	4.2
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		0.8	3.9	1.0	1.2
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		2.5	10.4	9.7	4.3
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		0.5	1.2	1.3	0.7
4. Pembinaan Construction		0.6	3.5	0.5	1.0
5. Perkhidmatan Services		73.9	50.2	38.0	67.3
5.1 Utiliti Utilities		6.8	9.7	3.9	6.9
5.2 Perdagangan borong dan runcit Wholesale and retail trade		3.9	3.9	2.9	3.8
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		0.9	1.8	0.3	0.9
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		13.7	22.8	7.2	14.4
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		22.5	5.3	12.6	19.1
5.6 Perkhidmatan lain Other services		26.2	6.7	11.1	22.1
Jumlah SMP Total PKS		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset Percentage share by type of assets	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		39.4	15.7	45.0	100.0
2. Perlombongan dan pengkuarian Mining and quarrying		72.7	9.1	18.2	100.0
3. Pembuatan Manufacturing		50.9	36.6	12.6	100.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		42.3	49.7	8.1	100.0
3.2 Produk tekstil dan kayu Textiles and wood products		66.9	28.1	5.0	100.0
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		55.9	36.4	7.7	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		47.9	44.8	7.3	100.0
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		44.8	34.2	21.0	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		57.4	25.3	17.3	100.0
4. Pembinaan Construction		46.7	49.1	4.2	100.0
5. Perkhidmatan Services		84.3	10.5	5.2	100.0
5.1 Utiliti Utilities		75.3	19.5	5.2	100.0
5.2 Perdagangan borong dan runcit Wholesale and retail trade		78.4	14.5	7.1	100.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		69.2	27.5	3.4	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		73.0	22.3	4.6	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		90.0	3.9	6.1	100.0
5.6 Perkhidmatan lain Other services		91.1	4.2	4.6	100.0
Jumlah SMP Total PKS		76.7	14.0	9.2	100.0

Jadual 3.3 SMP mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table 3.3 PKS by kind of economic activity and type of assets at current prices

2020	Nilai akhir tahun (RM juta) End year value (RM million)	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		40,444	16,284	44,385	101,113
2. Perlombongan dan pengkuarian Mining and quarrying		547,950	55,194	138,231	741,376
3. Pembuatan Manufacturing		292,814	190,703	71,678	555,195
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		23,147	28,284	4,823	56,254
3.2 Produk tekstil dan kayu Textiles and wood products		25,992	10,344	2,076	38,412
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		112,302	60,882	15,422	188,606
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		25,955	23,190	4,126	53,271
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		87,676	61,190	40,104	188,970
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		17,741	6,813	5,127	29,682
4. Pembinaan Construction		21,984	21,671	1,873	45,528
5. Perkhidmatan Services		2,556,938	300,946	154,080	3,011,965
5.1 Utiliti Utilities		238,010	61,018	15,822	314,850
5.2 Perdagangan borong dan runcit Wholesale and retail trade		138,071	22,829	11,390	172,289
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		30,546	11,027	1,419	42,992
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		467,682	133,874	30,633	632,189
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		795,645	31,153	53,238	880,036
5.6 Perkhidmatan lain Other services		886,984	41,046	41,579	969,609
Jumlah SMP Total PKS		3,460,130	584,799	410,247	4,455,176
	Perubahan peratusan tahunan Annual percentage change	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		2.8	4.0	-1.2	1.2
2. Perlombongan dan pengkuarian Mining and quarrying		2.8	-17.6	3.6	1.1
3. Pembuatan Manufacturing		5.5	-4.5	4.5	1.7
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		0.8	4.8	10.0	3.5
3.2 Produk tekstil dan kayu Textiles and wood products		-0.5	-5.8	5.6	-1.7
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		9.3	-9.0	8.2	2.6
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		2.4	-2.2	7.2	0.7
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		5.5	-3.5	2.9	1.9
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		2.8	-10.5	-1.3	-1.3
4. Pembinaan Construction		7.6	0.9	3.1	4.1
5. Perkhidmatan Services		3.8	-1.7	0.9	3.1
5.1 Utiliti Utilities		4.7	3.7	0.8	4.3
5.2 Perdagangan borong dan runcit Wholesale and retail trade		7.4	-3.9	-2.1	5.1
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		7.6	-2.2	3.1	4.7
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		2.6	-3.9	5.8	1.3
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		6.3	-3.7	5.4	5.9
5.6 Perkhidmatan lain Other services		1.4	1.0	-6.6	1.0
Jumlah SMP Total PKS		3.8	-4.1	2.2	2.5

Jadual 3.3 SMP mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table 3.3 PKS by kind of economic activity and type of assets at current prices

2020	Peratus sumbangan mengikut jenis aktiviti ekonomi Percentage share by kind of economic activity	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		1.2	2.8	10.8	2.3
2. Perlombongan dan pengkuarian Mining and quarrying		15.8	9.4	33.7	16.6
3. Pembuatan Manufacturing		8.5	32.6	17.5	12.5
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		0.7	4.8	1.2	1.3
3.2 Produk tekstil dan kayu Textiles and wood products		0.8	1.8	0.5	0.9
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		3.2	10.4	3.8	4.2
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		0.8	4.0	1.0	1.2
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		2.5	10.5	9.8	4.2
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		0.5	1.2	1.2	0.7
4. Pembinaan Construction		0.6	3.7	0.5	1.0
5. Perkhidmatan Services		73.9	51.5	37.6	67.6
5.1 Utiliti Utilities		6.9	10.4	3.9	7.1
5.2 Perdagangan borong dan runcit Wholesale and retail trade		4.0	3.9	2.8	3.9
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		0.9	1.9	0.3	1.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		13.5	22.9	7.5	14.2
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		23.0	5.3	13.0	19.8
5.6 Perkhidmatan lain Other services		25.6	7.0	10.1	21.8
Jumlah SMP Total PKS		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset Percentage share by type of assets	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		40.0	16.1	43.9	100.0
2. Perlombongan dan pengkuarian Mining and quarrying		73.9	7.4	18.6	100.0
3. Pembuatan Manufacturing		52.7	34.3	12.9	100.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		41.1	50.3	8.6	100.0
3.2 Produk tekstil dan kayu Textiles and wood products		67.7	26.9	5.4	100.0
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		59.5	32.3	8.2	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		48.7	43.5	7.7	100.0
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		46.4	32.4	21.2	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		59.8	23.0	17.3	100.0
4. Pembinaan Construction		48.3	47.6	4.1	100.0
5. Perkhidmatan Services		84.9	10.0	5.1	100.0
5.1 Utiliti Utilities		75.6	19.4	5.0	100.0
5.2 Perdagangan borong dan runcit Wholesale and retail trade		80.1	13.3	6.6	100.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		71.1	25.6	3.3	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		74.0	21.2	4.8	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		90.4	3.5	6.0	100.0
5.6 Perkhidmatan lain Other services		91.5	4.2	4.3	100.0
Jumlah SMP Total PKS		77.7	13.1	9.2	100.0

Jadual 3.3 SMP mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table 3.3 PKS by kind of economic activity and type of assets at current prices

2021	Nilai akhir tahun (RM juta) End year value (RM million)	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		41,168	17,025	45,022	103,214
2. Perlombongan dan pengkuarian Mining and quarrying		559,435	45,145	142,620	747,200
3. Pembuatan Manufacturing		308,456	186,337	72,968	567,761
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		23,980	29,886	5,170	59,036
3.2 Produk tekstil dan kayu Textiles and wood products		25,800	9,936	2,147	37,883
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		120,928	56,793	16,382	194,103
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		26,911	23,009	4,307	54,227
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		92,653	60,471	40,040	193,164
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		18,186	6,240	4,921	29,348
4. Pembinaan Construction		23,126	22,209	1,912	47,247
5. Perkhidmatan Services		2,638,715	301,287	155,188	3,095,190
5.1 Utiliti Utilities		253,641	62,827	15,604	332,072
5.2 Perdagangan borong dan runcit Wholesale and retail trade		147,456	23,793	10,960	182,209
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		32,771	10,723	1,443	44,938
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		476,580	132,101	33,095	641,777
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		836,856	29,963	54,875	921,694
5.6 Perkhidmatan lain Other services		891,411	41,879	39,211	972,501
Jumlah SMP Total PKS		3,570,900	572,002	417,709	4,560,611
	Perubahan peratusan tahunan Annual percentage change	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		1.8	4.5	1.4	2.1
2. Perlombongan dan pengkuarian Mining and quarrying		2.1	-18.2	3.2	0.8
3. Pembuatan Manufacturing		5.3	-2.3	1.8	2.3
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		3.6	5.7	7.2	4.9
3.2 Produk tekstil dan kayu Textiles and wood products		-0.7	-3.9	3.5	-1.4
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		7.7	-6.7	6.2	2.9
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		3.7	-0.8	4.4	1.8
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		5.7	-1.2	-0.2	2.2
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		2.5	-8.4	-4.0	-1.1
4. Pembinaan Construction		5.2	2.5	2.1	3.8
5. Perkhidmatan Services		3.2	0.1	0.7	2.8
5.1 Utiliti Utilities		6.6	3.0	-1.4	5.5
5.2 Perdagangan borong dan runcit Wholesale and retail trade		6.8	4.2	-3.8	5.8
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		7.3	-2.7	1.7	4.5
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		1.9	-1.3	8.0	1.5
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		5.2	-3.8	3.1	4.7
5.6 Perkhidmatan lain Other services		0.5	2.0	-5.7	0.3
Jumlah SMP Total PKS		3.2	-2.2	1.8	2.4

Jadual 3.3 SMP mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table **3.3** *PKS by kind of economic activity and type of assets at current prices*

2021	Peratus sumbangan mengikut jenis aktiviti ekonomi <i>Percentage share by kind of economic activity</i>	Struktur <i>Structure</i>	Jentera dan peralatan <i>Machinery and equipment</i>	Aset lain <i>Other assets</i>	Jumlah <i>Total</i>
1. Pertanian <i>Agriculture</i>		1.2	3.0	10.8	2.3
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		15.7	7.9	34.1	16.4
3. Pembuatan <i>Manufacturing</i>		8.6	32.6	17.5	12.4
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		0.7	5.2	1.2	1.3
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		0.7	1.7	0.5	0.8
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		3.4	9.9	3.9	4.3
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		0.8	4.0	1.0	1.2
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		2.6	10.6	9.6	4.2
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		0.5	1.1	1.2	0.6
4. Pembinaan <i>Construction</i>		0.6	3.9	0.5	1.0
5. Perkhidmatan <i>Services</i>		73.9	52.7	37.2	67.9
5.1 Utiliti <i>Utilities</i>		7.1	11.0	3.7	7.3
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		4.1	4.2	2.6	4.0
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		0.9	1.9	0.3	1.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		13.3	23.1	7.9	14.1
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		23.4	5.2	13.1	20.2
5.6 Perkhidmatan lain <i>Other services</i>		25.0	7.3	9.4	21.3
Jumlah SMP <i>Total PKS</i>		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset <i>Percentage share by type of assets</i>	Struktur <i>Structure</i>	Jentera dan peralatan <i>Machinery and equipment</i>	Aset lain <i>Other assets</i>	Jumlah <i>Total</i>
1. Pertanian <i>Agriculture</i>		39.9	16.5	43.6	100.0
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		74.9	6.0	19.1	100.0
3. Pembuatan <i>Manufacturing</i>		54.3	32.8	12.9	100.0
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		40.6	50.6	8.8	100.0
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		68.1	26.2	5.7	100.0
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		62.3	29.3	8.4	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		49.6	42.4	7.9	100.0
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		48.0	31.3	20.7	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		62.0	21.3	16.8	100.0
4. Pembinaan <i>Construction</i>		48.9	47.0	4.0	100.0
5. Perkhidmatan <i>Services</i>		85.3	9.7	5.0	100.0
5.1 Utiliti <i>Utilities</i>		76.4	18.9	4.7	100.0
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		80.9	13.1	6.0	100.0
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		72.9	23.9	3.2	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		74.3	20.6	5.2	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		90.8	3.3	6.0	100.0
5.6 Perkhidmatan lain <i>Other services</i>		91.7	4.3	4.0	100.0
Jumlah SMP <i>Total PKS</i>		78.3	12.5	9.2	100.0

Jadual 3.4 SMP mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table 3.4 PKS by kind of economic activity and type of assets at constant 2015 prices

2019	Nilai akhir tahun (RM juta) End year value (RM million)	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		36,708	15,276	42,778	94,762
2. Perlombongan dan pengkuarian Mining and quarrying		517,978	65,295	129,562	712,835
3. Pembuatan Manufacturing		262,241	197,544	62,457	522,241
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		21,786	26,683	3,993	52,462
3.2 Produk tekstil dan kayu Textiles and wood products		24,786	10,855	1,791	37,432
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		96,662	66,111	12,985	175,759
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		24,053	23,519	3,506	51,077
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		78,623	62,865	35,455	176,943
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		16,332	7,511	4,726	28,569
4. Pembinaan Construction		19,500	21,100	1,661	42,261
5. Perkhidmatan Services		2,335,497	298,562	138,747	2,772,807
5.1 Utiliti Utilities		209,937	58,172	14,153	282,262
5.2 Perdagangan borong dan runcit Wholesale and retail trade		121,874	22,870	10,650	155,394
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		26,884	11,072	1,255	39,211
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		419,470	134,699	26,242	580,410
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		740,716	31,716	46,371	818,804
5.6 Perkhidmatan lain Other services		816,616	40,033	40,077	896,727
Jumlah SMP Total PKS		3,171,924	597,777	375,206	4,144,907
	Perubahan peratusan tahunan Annual percentage change	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		3.4	8.7	2.1	3.6
2. Perlombongan dan pengkuarian Mining and quarrying		3.7	-9.8	3.9	2.4
3. Pembuatan Manufacturing		5.6	1.8	4.3	4.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		0.1	6.2	8.9	3.8
3.2 Produk tekstil dan kayu Textiles and wood products		-1.3	-2.6	3.9	-1.4
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		10.5	0.7	8.0	6.4
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		1.6	2.8	5.7	2.4
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		5.7	2.6	3.3	4.1
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		2.1	-6.9	-2.1	-1.1
4. Pembinaan Construction		5.8	5.0	1.0	5.2
5. Perkhidmatan Services		4.3	3.7	2.5	4.1
5.1 Utiliti Utilities		1.7	11.4	-1.2	3.4
5.2 Perdagangan borong dan runcit Wholesale and retail trade		7.2	1.3	-2.9	5.6
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		5.3	6.6	1.3	5.5
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		4.5	0.9	2.9	3.6
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		7.4	3.6	9.4	7.3
5.6 Perkhidmatan lain Other services		1.7	4.1	-2.2	1.6
Jumlah SMP Total PKS		4.3	1.6	3.2	3.8

Jadual 3.4 SMP mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table 3.4 PKS by kind of economic activity and type of assets at constant 2015 prices

2019	Peratus sumbangan mengikut jenis aktiviti ekonomi <i>Percentage share by kind of economic activity</i>	Struktur <i>Structure</i>	Jentera dan peralatan <i>Machinery and equipment</i>	Aset lain <i>Other assets</i>	Jumlah <i>Total</i>
1. Pertanian <i>Agriculture</i>		1.2	2.6	11.4	2.3
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		16.3	10.9	34.5	17.2
3. Pembuatan <i>Manufacturing</i>		8.3	33.0	16.6	12.6
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		0.7	4.5	1.1	1.3
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		0.8	1.8	0.5	0.9
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		3.0	11.1	3.5	4.2
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		0.8	3.9	0.9	1.2
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		2.5	10.5	9.4	4.3
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		0.5	1.3	1.3	0.7
4. Pembinaan <i>Construction</i>		0.6	3.5	0.4	1.0
5. Perkhidmatan <i>Services</i>		73.6	49.9	37.0	66.9
5.1 Utiliti <i>Utilities</i>		6.6	9.7	3.8	6.8
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		3.8	3.8	2.8	3.7
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		0.8	1.9	0.3	0.9
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		13.2	22.5	7.0	14.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		23.4	5.3	12.4	19.8
5.6 Perkhidmatan lain <i>Other services</i>		25.7	6.7	10.7	21.6
Jumlah SMP <i>Total PKS</i>		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset <i>Percentage share by type of assets</i>	Struktur <i>Structure</i>	Jentera dan peralatan <i>Machinery and equipment</i>	Aset lain <i>Other assets</i>	Jumlah <i>Total</i>
1. Pertanian <i>Agriculture</i>		38.7	16.1	45.1	100.0
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		72.7	9.2	18.2	100.0
3. Pembuatan <i>Manufacturing</i>		50.2	37.8	12.0	100.0
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		41.5	50.9	7.6	100.0
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		66.2	29.0	4.8	100.0
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		55.0	37.6	7.4	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		47.1	46.0	6.9	100.0
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		44.4	35.5	20.0	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		57.2	26.3	16.5	100.0
4. Pembinaan <i>Construction</i>		46.1	49.9	3.9	100.0
5. Perkhidmatan <i>Services</i>		84.2	10.8	5.0	100.0
5.1 Utiliti <i>Utilities</i>		74.4	20.6	5.0	100.0
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		78.4	14.7	6.9	100.0
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		68.6	28.2	3.2	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		72.3	23.2	4.5	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		90.5	3.9	5.7	100.0
5.6 Perkhidmatan lain <i>Other services</i>		91.1	4.5	4.5	100.0
Jumlah SMP <i>Total PKS</i>		76.5	14.4	9.1	100.0

Jadual 3.4 SMP mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table **PKS** by kind of economic activity and type of assets at constant 2015 prices

2020	Nilai akhir tahun (RM juta) End year value (RM million)	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		37,521	16,111	43,355	96,987
2. Perlombongan dan pengkuarian Mining and quarrying		531,858	54,394	134,011	720,264
3. Pembuatan Manufacturing		275,293	190,916	63,986	530,195
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		21,849	28,324	4,313	54,485
3.2 Produk tekstil dan kayu Textiles and wood products		24,560	10,347	1,858	36,765
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		105,039	60,694	13,797	179,530
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		24,516	23,296	3,690	51,502
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		82,606	61,473	35,751	179,829
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		16,723	6,783	4,577	28,083
4. Pembinaan Construction		20,905	21,529	1,689	44,122
5. Perkhidmatan Services		2,413,806	296,758	138,894	2,849,459
5.1 Utiliti Utilities		218,263	61,031	13,939	293,233
5.2 Perdagangan borong dan runcit Wholesale and retail trade		130,274	22,070	10,288	162,631
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		28,778	10,843	1,274	40,895
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		427,577	131,258	27,174	586,009
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		785,362	30,692	48,407	864,462
5.6 Perkhidmatan lain Other services		823,552	40,865	37,811	902,228
Jumlah SMP Total PKS		3,279,382	579,708	381,935	4,241,025
Perubahan peratusan tahunan Annual percentage change					
1. Pertanian Agriculture		2.2	5.5	1.3	2.3
2. Perlombongan dan pengkuarian Mining and quarrying		2.7	-16.7	3.4	1.0
3. Pembuatan Manufacturing		5.0	-3.4	2.4	1.5
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		0.3	6.1	8.0	3.9
3.2 Produk tekstil dan kayu Textiles and wood products		-0.9	-4.7	3.7	-1.8
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		8.7	-8.2	6.3	2.1
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		1.9	-0.9	5.3	0.8
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		5.1	-2.2	0.8	1.6
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		2.4	-9.7	-3.2	-1.7
4. Pembinaan Construction		7.2	2.0	1.7	4.4
5. Perkhidmatan Services		3.4	-0.6	0.1	2.8
5.1 Utiliti Utilities		4.0	4.9	-1.5	3.9
5.2 Perdagangan borong dan runcit Wholesale and retail trade		6.9	-3.5	-3.4	4.7
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		7.0	-2.1	1.5	4.3
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		1.9	-2.6	3.6	1.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		6.0	-3.2	4.4	5.6
5.6 Perkhidmatan lain Other services		0.8	2.1	-5.7	0.6
Jumlah SMP Total PKS		3.4	-3.0	1.8	2.3

Jadual 3.4 SMP mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table 3.4 PKS by kind of economic activity and type of assets at constant 2015 prices

2020	Peratus sumbangan mengikut jenis aktiviti ekonomi Percentage share by kind of economic activity	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		1.1	2.8	11.4	2.3
2. Perlombongan dan pengkuarian Mining and quarrying		16.2	9.4	35.1	17.0
3. Pembuatan Manufacturing		8.4	32.9	16.8	12.5
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		0.7	4.9	1.1	1.3
3.2 Produk tekstil dan kayu Textiles and wood products		0.7	1.8	0.5	0.9
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		3.2	10.5	3.6	4.2
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		0.7	4.0	1.0	1.2
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		2.5	10.6	9.4	4.2
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		0.5	1.2	1.2	0.7
4. Pembinaan Construction		0.6	3.7	0.4	1.0
5. Perkhidmatan Services		73.6	51.2	36.4	67.2
5.1 Utiliti Utilities		6.7	10.5	3.6	6.9
5.2 Perdagangan borong dan runcit Wholesale and retail trade		4.0	3.8	2.7	3.8
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		0.9	1.9	0.3	1.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		13.0	22.6	7.1	13.8
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		23.9	5.3	12.7	20.4
5.6 Perkhidmatan lain Other services		25.1	7.0	9.9	21.3
Jumlah SMP Total PKS		100.0	100.0	100.0	100.0

	Peratus sumbangan mengikut jenis aset Percentage share by type of assets	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		38.7	16.6	44.7	100.0
2. Perlombongan dan pengkuarian Mining and quarrying		73.8	7.6	18.6	100.0
3. Pembuatan Manufacturing		51.9	36.0	12.1	100.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		40.1	52.0	7.9	100.0
3.2 Produk tekstil dan kayu Textiles and wood products		66.8	28.1	5.1	100.0
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		58.5	33.8	7.7	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		47.6	45.2	7.2	100.0
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		45.9	34.2	19.9	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		59.5	24.2	16.3	100.0
4. Pembinaan Construction		47.4	48.8	3.8	100.0
5. Perkhidmatan Services		84.7	10.4	4.9	100.0
5.1 Utiliti Utilities		74.4	20.8	4.8	100.0
5.2 Perdagangan borong dan runcit Wholesale and retail trade		80.1	13.6	6.3	100.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		70.4	26.5	3.1	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		73.0	22.4	4.6	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		90.8	3.6	5.6	100.0
5.6 Perkhidmatan lain Other services		91.3	4.5	4.2	100.0
Jumlah SMP Total PKS		77.3	13.7	9.0	100.0

Jadual 3.4 SMP mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table **PKS** by kind of economic activity and type of assets at constant 2015 prices

2021	Nilai akhir tahun (RM juta) End year value (RM million)	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		38,020	17,034	43,903	98,957
2. Perlombongan dan pengkuarian Mining and quarrying		541,879	45,208	138,148	725,235
3. Pembuatan Manufacturing		289,317	186,630	64,947	540,894
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		22,590	29,915	4,607	57,113
3.2 Produk tekstil dan kayu Textiles and wood products		24,355	9,944	1,915	36,214
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		112,687	56,807	14,607	184,101
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		25,389	23,065	3,839	52,294
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		87,178	60,669	35,598	183,445
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		17,117	6,230	4,381	27,728
4. Pembinaan Construction		21,981	22,056	1,714	45,751
5. Perkhidmatan Services		2,484,391	300,375	139,259	2,924,025
5.1 Utiliti Utilities		231,113	62,978	13,728	307,819
5.2 Perdagangan borong dan runcit Wholesale and retail trade		138,919	23,297	9,843	172,059
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		30,825	10,692	1,290	42,808
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		433,278	131,636	29,315	594,229
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		825,948	29,857	49,391	905,196
5.6 Perkhidmatan lain Other services		824,309	41,914	35,691	901,914
Jumlah SMP Total PKS		3,375,588	571,304	387,971	4,334,863
Perubahan peratusan tahunan Annual percentage change					
1. Pertanian Agriculture		1.3	5.7	1.3	2.0
2. Perlombongan dan pengkuarian Mining and quarrying		1.9	-16.9	3.1	0.7
3. Pembuatan Manufacturing		5.1	-2.2	1.5	2.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		3.4	5.6	6.8	4.8
3.2 Produk tekstil dan kayu Textiles and wood products		-0.8	-3.9	3.1	-1.5
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		7.3	-6.4	5.9	2.5
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		3.6	-1.0	4.0	1.5
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		5.5	-1.3	-0.4	2.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		2.4	-8.2	-4.3	-1.3
4. Pembinaan Construction		5.1	2.4	1.5	3.7
5. Perkhidmatan Services		2.9	1.2	0.3	2.6
5.1 Utiliti Utilities		5.9	3.2	-1.5	5.0
5.2 Perdagangan borong dan runcit Wholesale and retail trade		6.6	5.6	-4.3	5.8
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		7.1	-1.4	1.3	4.7
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		1.3	0.3	7.9	1.4
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		5.2	-2.7	2.0	4.7
5.6 Perkhidmatan lain Other services		0.1	2.6	-5.6	0.0
Jumlah SMP Total PKS		2.9	-1.4	1.6	2.2

Jadual 3.4 SMP mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table 3.4 PKS by kind of economic activity and type of assets at constant 2015 prices

2021	Peratus sumbangan mengikut jenis aktiviti ekonomi <i>Percentage share by kind of economic activity</i>	Struktur <i>Structure</i>	Jentera dan peralatan <i>Machinery and equipment</i>	Aset lain <i>Other assets</i>	Jumlah <i>Total</i>
1. Pertanian <i>Agriculture</i>		1.1	3.0	11.3	2.3
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		16.1	7.9	35.6	16.7
3. Pembuatan <i>Manufacturing</i>		8.6	32.7	16.7	12.5
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		0.7	5.2	1.2	1.3
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		0.7	1.7	0.5	0.8
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		3.3	9.9	3.8	4.2
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		0.8	4.0	1.0	1.2
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		2.6	10.6	9.2	4.2
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		0.5	1.1	1.1	0.6
4. Pembinaan <i>Construction</i>		0.7	3.9	0.4	1.1
5. Perkhidmatan <i>Services</i>		73.6	52.6	35.9	67.4
5.1 Utiliti <i>Utilities</i>		6.8	11.0	3.5	7.1
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		4.1	4.1	2.5	4.0
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		0.9	1.9	0.3	1.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		12.8	23.0	7.6	13.7
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		24.5	5.2	12.7	20.9
5.6 Perkhidmatan lain <i>Other services</i>		24.4	7.3	9.2	20.8
Jumlah SMP <i>Total PKS</i>		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset <i>Percentage share by type of assets</i>	Struktur <i>Structure</i>	Jentera dan peralatan <i>Machinery and equipment</i>	Aset lain <i>Other assets</i>	Jumlah <i>Total</i>
1. Pertanian <i>Agriculture</i>		38.4	17.2	44.4	100.0
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		74.7	6.2	19.0	100.0
3. Pembuatan <i>Manufacturing</i>		53.5	34.5	12.0	100.0
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		39.6	52.4	8.1	100.0
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		67.3	27.5	5.3	100.0
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		61.2	30.9	7.9	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		48.6	44.1	7.3	100.0
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		47.5	33.1	19.4	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		61.7	22.5	15.8	100.0
4. Pembinaan <i>Construction</i>		48.0	48.2	3.7	100.0
5. Perkhidmatan <i>Services</i>		85.0	10.3	4.8	100.0
5.1 Utiliti <i>Utilities</i>		75.1	20.5	4.5	100.0
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		80.7	13.5	5.7	100.0
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		72.0	25.0	3.0	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		72.9	22.2	4.9	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		91.2	3.3	5.5	100.0
5.6 Perkhidmatan lain <i>Other services</i>		91.4	4.6	4.0	100.0
Jumlah SMP <i>Total PKS</i>		77.9	13.2	8.9	100.0



JADUAL STATISTIK

STATISTICAL TABLES

PENGUNAAN MODAL TETAP

***CONSUMPTION OF
FIXED CAPITAL***



Jadual **4.1** PMT mengikut jenis aktiviti ekonomi pada harga semasa
Table **COFC** by kind of economic activity at current prices

Jenis aktiviti ekonomi Kind of economic activity	2019	2020 ^e	2021 ^p	2019	2020 ^e	2021 ^p
	RM juta RM million			Perubahan peratusan tahunan Annual percentage change		
1. Pertanian <i>Agriculture</i>	9,034	9,183	9,410	5.4	1.6	2.5
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>	29,188	28,011	26,305	1.5	-4.0	-6.1
3. Pembuatan <i>Manufacturing</i>	49,004	49,483	49,454	4.9	1.0	-0.1
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	5,615	5,844	6,127	5.6	4.1	4.8
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>	3,198	3,100	2,996	-0.9	-3.1	-3.4
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>	15,983	16,194	16,000	7.5	1.3	-1.2
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	5,046	5,074	5,095	3.7	0.6	0.4
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	16,552	16,753	16,816	4.8	1.2	0.4
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	2,611	2,517	2,421	-1.5	-3.6	-3.8
4. Pembinaan <i>Construction</i>	4,739	4,848	4,966	6.0	2.3	2.4
5. Perkhidmatan <i>Services</i>	139,962	144,245	147,135	4.6	3.1	2.0
5.1 Utiliti <i>Utilities</i>	19,507	20,213	20,746	5.3	3.6	2.6
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	10,253	10,586	10,840	6.6	3.2	2.4
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>	3,554	3,708	3,713	8.6	4.3	0.1
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>	37,946	38,555	38,851	4.3	1.6	0.8
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>	35,612	37,567	39,026	4.7	5.5	3.9
5.6 Perkhidmatan lain <i>Other services</i>	33,090	33,617	33,959	3.6	1.6	1.0
Jumlah PMT <i>Total COFC</i>	231,927	235,770	237,270	4.3	1.7	0.6

Jenis aktiviti ekonomi Kind of economic activity	2019	2020 ^e	2021 ^p
	Peratus sumbangan PMT Percentage share of COFC		
1. Pertanian <i>Agriculture</i>	3.9	3.9	4.0
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>	12.6	11.9	11.1
3. Pembuatan <i>Manufacturing</i>	21.1	21.0	20.8
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	2.4	2.5	2.6
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>	1.4	1.3	1.3
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>	6.9	6.9	6.7
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	2.2	2.2	2.1
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>	7.1	7.1	7.1
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>	1.1	1.1	1.0
4. Pembinaan <i>Construction</i>	2.0	2.1	2.1
5. Perkhidmatan <i>Services</i>	60.3	61.2	62.0
5.1 Utiliti <i>Utilities</i>	8.4	8.6	8.7
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>	4.4	4.5	4.6
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>	1.5	1.6	1.6
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>	16.4	16.4	16.4
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>	15.4	15.9	16.4
5.6 Perkhidmatan lain <i>Other services</i>	14.3	14.3	14.3
Jumlah PMT <i>Total COFC</i>	100.0	100.0	100.0

Jadual **4.2** **PMT mengikut jenis aktiviti ekonomi pada harga malar 2015**
Table **COFC by kind of economic activity at constant 2015 prices**

Jenis aktiviti ekonomi Kind of economic activity	2019	2020 ^e	2021 ^p	2019	2020 ^e	2021 ^p
	RM juta RM million			Perubahan peratusan tahunan Annual percentage change		
1. Pertanian Agriculture	8,558	8,856	9,094	4.3	3.5	2.7
2. Perlombongan dan pengkuarian Mining and quarrying	28,325	27,231	25,701	0.5	-3.9	-5.6
3. Pembuatan Manufacturing	47,490	48,072	48,071	3.9	1.2	0.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco	5,473	5,735	6,019	4.7	4.8	5.0
3.2 Produk tekstil dan kayu Textiles and wood products	3,098	3,012	2,913	-1.5	-2.8	-3.3
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products	15,517	15,739	15,584	6.5	1.4	-1.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	4,928	4,988	5,001	3.0	1.2	0.2
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	15,970	16,187	16,234	3.6	1.4	0.3
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	2,505	2,410	2,320	-2.7	-3.8	-3.7
4. Pembinaan Construction	4,599	4,737	4,857	5.0	3.0	2.5
5. Perkhidmatan Services	133,845	138,056	141,287	4.2	3.1	2.3
5.1 Utiliti Utilities	18,577	19,284	19,803	4.4	3.8	2.7
5.2 Perdagangan borong dan runcit Wholesale and retail trade	9,752	10,058	10,343	5.4	3.1	2.8
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation	3,441	3,583	3,627	8.0	4.1	1.2
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication	36,002	36,716	37,319	2.6	2.0	1.6
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services	34,902	36,741	38,216	6.7	5.3	4.0
5.6 Perkhidmatan lain Other services	31,171	31,675	31,979	2.6	1.6	1.0
Jumlah PMT <i>Total COFC</i>	222,818	226,951	229,010	3.7	1.9	0.9

Jenis aktiviti ekonomi Kind of economic activity	2019	2020 ^e	2021 ^p
	Peratus sumbangan PMT Percentage share of COFC		
1. Pertanian Agriculture	3.8	3.9	4.0
2. Perlombongan dan pengkuarian Mining and quarrying	12.7	12.0	11.2
3. Pembuatan Manufacturing	21.3	21.2	21.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco	2.5	2.5	2.6
3.2 Produk tekstil dan kayu Textiles and wood products	1.4	1.3	1.3
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products	7.0	6.9	6.8
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	2.2	2.2	2.2
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products	7.2	7.1	7.1
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair	1.1	1.1	1.0
4. Pembinaan Construction	2.1	2.1	2.1
5. Perkhidmatan Services	60.1	60.8	61.7
5.1 Utiliti Utilities	8.3	8.5	8.6
5.2 Perdagangan borong dan runcit Wholesale and retail trade	4.4	4.4	4.5
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation	1.5	1.6	1.6
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication	16.2	16.2	16.3
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services	15.7	16.2	16.7
5.6 Perkhidmatan lain Other services	14.0	14.0	14.0
Jumlah PMT <i>Total COFC</i>	100.0	100.0	100.0

Jadual 4.3 PMT mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table COFC by kind of economic activity and type of assets at current prices

2019	RM juta RM million	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		1,389	2,647	4,998	9,034
2. Perlombongan dan pengkuarian Mining and quarrying		11,823	14,019	3,346	29,188
3. Pembuatan Manufacturing		9,398	33,547	6,059	49,004
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		823	4,436	355	5,615
3.2 Produk tekstil dan kayu Textiles and wood products		1,078	1,967	152	3,198
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		3,062	11,758	1,162	15,983
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		936	3,794	316	5,046
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		2,855	10,128	3,568	16,552
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		643	1,463	505	2,611
4. Pembinaan Construction		722	3,879	138	4,739
5. Perkhidmatan Services		72,254	55,566	12,142	139,962
5.1 Utiliti Utilities		8,779	9,830	897	19,507
5.2 Perdagangan borong dan runcit Wholesale and retail trade		4,056	5,485	712	10,253
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		1,018	2,448	88	3,554
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		11,827	23,878	2,241	37,946
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		25,133	6,757	3,722	35,612
5.6 Perkhidmatan lain Other services		21,439	7,168	4,483	33,090
Jumlah PMT Total COFC		95,586	109,657	26,684	231,927
	Perubahan peratusan tahunan Annual percentage change	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		3.7	8.3	4.5	5.4
2. Perlombongan dan pengkuarian Mining and quarrying		6.7	-3.8	7.7	1.5
3. Pembuatan Manufacturing		5.9	3.9	8.9	4.9
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		1.4	5.6	15.8	5.6
3.2 Produk tekstil dan kayu Textiles and wood products		-0.7	-1.7	9.8	-0.9
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		12.2	5.9	13.0	7.5
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		1.9	3.5	12.6	3.7
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		5.6	3.7	7.5	4.8
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		2.6	-4.7	3.4	-1.5
4. Pembinaan Construction		3.7	6.5	5.5	6.0
5. Perkhidmatan Services		3.7	5.6	5.7	4.6
5.1 Utiliti Utilities		2.4	8.2	2.3	5.3
5.2 Perdagangan borong dan runcit Wholesale and retail trade		7.5	7.1	-2.0	6.6
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		4.0	10.8	4.0	8.6
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		6.2	3.1	7.5	4.3
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		3.0	8.3	10.6	4.7
5.6 Perkhidmatan lain Other services		3.1	5.4	2.9	3.6
Jumlah PMT Total COFC		4.3	3.9	6.4	4.3

Jadual Table 4.3 PMT mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
COFC by kind of economic activity and type of assets at current prices

2019	Peratus sumbangan mengikut jenis aktiviti ekonomi Percentage share by kind of economic activity	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian <i>Agriculture</i>		1.5	2.4	18.7	3.9
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		12.4	12.8	12.5	12.6
3. Pembuatan <i>Manufacturing</i>		9.8	30.6	22.7	21.1
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		0.9	4.0	1.3	2.4
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		1.1	1.8	0.6	1.4
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		3.2	10.7	4.4	6.9
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		1.0	3.5	1.2	2.2
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		3.0	9.2	13.4	7.1
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		0.7	1.3	1.9	1.1
4. Pembinaan <i>Construction</i>		0.8	3.5	0.5	2.0
5. Perkhidmatan <i>Services</i>		75.6	50.7	45.5	60.3
5.1 Utiliti <i>Utilities</i>		9.2	9.0	3.4	8.4
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		4.2	5.0	2.7	4.4
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		1.1	2.2	0.3	1.5
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		12.4	21.8	8.4	16.4
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		26.3	6.2	13.9	15.4
5.6 Perkhidmatan lain <i>Other services</i>		22.4	6.5	16.8	14.3
Jumlah PMT Total COFC		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset Percentage share by type of assets	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian <i>Agriculture</i>		15.4	29.3	55.3	100.0
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		40.5	48.0	11.5	100.0
3. Pembuatan <i>Manufacturing</i>		19.2	68.5	12.4	100.0
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		14.7	79.0	6.3	100.0
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		33.7	61.5	4.8	100.0
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		19.2	73.6	7.3	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		18.6	75.2	6.3	100.0
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		17.2	61.2	21.6	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		24.6	56.0	19.3	100.0
4. Pembinaan <i>Construction</i>		15.2	81.9	2.9	100.0
5. Perkhidmatan <i>Services</i>		51.6	39.7	8.7	100.0
5.1 Utiliti <i>Utilities</i>		45.0	50.4	4.6	100.0
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		39.6	53.5	6.9	100.0
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		28.7	68.9	2.5	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		31.2	62.9	5.9	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		70.6	19.0	10.5	100.0
5.6 Perkhidmatan lain <i>Other services</i>		64.8	21.7	13.5	100.0
Jumlah PMT Total COFC		41.2	47.3	11.5	100.0

Jadual 4.3 PMT mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table 4.3 COFC by kind of economic activity and type of assets at current prices

2020	RM juta RM million	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		1,433	2,752	4,998	9,183
2. Perlombongan dan pengkuarian Mining and quarrying		12,484	11,975	3,552	28,011
3. Pembuatan Manufacturing		9,930	33,137	6,416	49,483
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		839	4,605	400	5,844
3.2 Produk tekstil dan kayu Textiles and wood products		1,076	1,860	164	3,100
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		3,376	11,536	1,282	16,194
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		960	3,769	345	5,074
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		3,016	10,018	3,719	16,753
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		663	1,349	505	2,517
4. Pembinaan Construction		763	3,942	143	4,848
5. Perkhidmatan Services		75,612	56,268	12,365	144,245
5.1 Utiliti Utilities		9,034	10,274	905	20,213
5.2 Perdagangan borong dan runcit Wholesale and retail trade		4,373	5,519	694	10,586
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		1,072	2,546	90	3,708
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		12,366	23,785	2,404	38,555
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		26,689	6,862	4,016	37,567
5.6 Perkhidmatan lain Other services		22,078	7,283	4,256	33,617
Jumlah PMT Total COFC		100,222	108,074	27,474	235,770
	Perubahan peratusan tahunan Annual percentage change	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		3.1	4.0	0.0	1.6
2. Perlombongan dan pengkuarian Mining and quarrying		5.6	-14.6	6.1	-4.0
3. Pembuatan Manufacturing		5.7	-1.2	5.9	1.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		1.9	3.8	12.6	4.1
3.2 Produk tekstil dan kayu Textiles and wood products		-0.2	-5.5	7.6	-3.1
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		10.3	-1.9	10.3	1.3
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		2.5	-0.6	9.1	0.6
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		5.6	-1.1	4.2	1.2
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		3.1	-7.8	0.1	-3.6
4. Pembinaan Construction		5.8	1.6	3.8	2.3
5. Perkhidmatan Services		4.6	1.3	1.8	3.1
5.1 Utiliti Utilities		2.9	4.5	0.9	3.6
5.2 Perdagangan borong dan runcit Wholesale and retail trade		7.8	0.6	-2.5	3.2
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		5.2	4.0	2.8	4.3
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		4.6	-0.4	7.3	1.6
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		6.2	1.6	7.9	5.5
5.6 Perkhidmatan lain Other services		3.0	1.6	-5.1	1.6
Jumlah PMT Total COFC		4.9	-1.4	3.0	1.7

Jadual Table 4.3 PMT mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
COFC by kind of economic activity and type of assets at current prices

2020	Peratus sumbangan mengikut jenis aktiviti ekonomi Percentage share by kind of economic activity	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		1.4	2.5	18.2	3.9
2. Perlombongan dan pengkuarian Mining and quarrying		12.5	11.1	12.9	11.9
3. Pembuatan Manufacturing		9.9	30.7	23.4	21.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		0.8	4.3	1.5	2.5
3.2 Produk tekstil dan kayu Textiles and wood products		1.1	1.7	0.6	1.3
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		3.4	10.7	4.7	6.9
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		1.0	3.5	1.3	2.2
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		3.0	9.3	13.5	7.1
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		0.7	1.2	1.8	1.1
4. Pembinaan Construction		0.8	3.6	0.5	2.1
5. Perkhidmatan Services		75.4	52.1	45.0	61.2
5.1 Utiliti Utilities		9.0	9.5	3.3	8.6
5.2 Perdagangan borong dan runcit Wholesale and retail trade		4.4	5.1	2.5	4.5
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		1.1	2.4	0.3	1.6
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		12.3	22.0	8.8	16.4
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		26.6	6.3	14.6	15.9
5.6 Perkhidmatan lain Other services		22.0	6.7	15.5	14.3
Jumlah PMT Total COFC		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset Percentage share by type of assets	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		15.6	30.0	54.4	100.0
2. Perlombongan dan pengkuarian Mining and quarrying		44.6	42.8	12.7	100.0
3. Pembuatan Manufacturing		20.1	67.0	13.0	100.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		14.4	78.8	6.8	100.0
3.2 Produk tekstil dan kayu Textiles and wood products		34.7	60.0	5.3	100.0
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		20.8	71.2	7.9	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		18.9	74.3	6.8	100.0
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		18.0	59.8	22.2	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		26.3	53.6	20.1	100.0
4. Pembinaan Construction		15.7	81.3	2.9	100.0
5. Perkhidmatan Services		52.4	39.0	8.6	100.0
5.1 Utiliti Utilities		44.7	50.8	4.5	100.0
5.2 Perdagangan borong dan runcit Wholesale and retail trade		41.3	52.1	6.6	100.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		28.9	68.7	2.4	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		32.1	61.7	6.2	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		71.0	18.3	10.7	100.0
5.6 Perkhidmatan lain Other services		65.7	21.7	12.7	100.0
Jumlah PMT Total COFC		42.5	45.8	11.7	100.0

Jadual 4.3 PMT mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table 4.3 COFC by kind of economic activity and type of assets at current prices

2021	RM juta RM million	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian <i>Agriculture</i>		1,466	2,828	5,116	9,410
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		13,101	9,466	3,737	26,305
3. Pembuatan <i>Manufacturing</i>		10,444	32,415	6,595	49,454
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		861	4,828	438	6,127
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		1,070	1,753	173	2,996
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		3,672	10,948	1,380	16,000
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		987	3,741	367	5,095
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		3,174	9,895	3,747	16,816
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		681	1,250	490	2,421
4. Pembinaan <i>Construction</i>		803	4,016	147	4,966
5. Perkhidmatan <i>Services</i>		78,695	55,950	12,490	147,135
5.1 Utiliti <i>Utilities</i>		9,410	10,446	890	20,746
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		4,689	5,481	670	10,840
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		1,132	2,490	92	3,713
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		12,798	23,471	2,582	38,851
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		28,089	6,697	4,240	39,026
5.6 Perkhidmatan lain <i>Other services</i>		22,576	7,365	4,018	33,959
Jumlah PMT Total COFC		104,511	104,674	28,085	237,270
Perubahan peratusan tahunan <i>Annual percentage change</i>					
1. Pertanian <i>Agriculture</i>		2.4	2.7	2.4	2.5
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		4.9	-21.0	5.2	-6.1
3. Pembuatan <i>Manufacturing</i>		5.2	-2.2	2.8	-0.1
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		2.6	4.8	9.6	4.8
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		-0.5	-5.8	5.5	-3.4
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		8.8	-5.1	7.6	-1.2
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		2.8	-0.7	6.3	0.4
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		5.2	-1.2	0.8	0.4
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		2.7	-7.3	-3.1	-3.8
4. Pembinaan <i>Construction</i>		5.2	1.9	3.0	2.4
5. Perkhidmatan <i>Services</i>		4.1	-0.6	1.0	2.0
5.1 Utiliti <i>Utilities</i>		4.2	1.7	-1.7	2.6
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		7.2	-0.7	-3.5	2.4
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		5.6	-2.2	1.4	0.1
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		3.5	-1.3	7.4	0.8
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		5.2	-2.4	5.6	3.9
5.6 Perkhidmatan lain <i>Other services</i>		2.3	1.1	-5.6	1.0
Jumlah PMT Total COFC		4.3	-3.1	2.2	0.6

Jadual **4.3** PMT mengikut jenis aktiviti ekonomi dan jenis aset pada harga semasa
Table **4.3** COFC by kind of economic activity and type of assets at current prices

2021	Peratus sumbangan mengikut jenis aktiviti ekonomi Percentage share by kind of economic activity	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		1.4	2.7	18.2	4.0
2. Perlombongan dan pengkuarian Mining and quarrying		12.5	9.0	13.3	11.1
3. Pembuatan Manufacturing		10.0	31.0	23.5	20.8
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		0.8	4.6	1.6	2.6
3.2 Produk tekstil dan kayu Textiles and wood products		1.0	1.7	0.6	1.3
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		3.5	10.5	4.9	6.7
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		0.9	3.6	1.3	2.1
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		3.0	9.5	13.3	7.1
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		0.7	1.2	1.7	1.0
4. Pembinaan Construction		0.8	3.8	0.5	2.1
5. Perkhidmatan Services		75.3	53.5	44.5	62.0
5.1 Utiliti Utilities		9.0	10.0	3.2	8.7
5.2 Perdagangan borong dan runcit Wholesale and retail trade		4.5	5.2	2.4	4.6
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		1.1	2.4	0.3	1.6
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		12.2	22.4	9.2	16.4
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		26.9	6.4	15.1	16.4
5.6 Perkhidmatan lain Other services		21.6	7.0	14.3	14.3
Jumlah PMT Total COFC		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset Percentage share by type of assets	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		15.6	30.0	54.4	100.0
2. Perlombongan dan pengkuarian Mining and quarrying		49.8	36.0	14.2	100.0
3. Pembuatan Manufacturing		21.1	65.5	13.3	100.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		14.0	78.8	7.2	100.0
3.2 Produk tekstil dan kayu Textiles and wood products		35.7	58.5	5.8	100.0
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		22.9	68.4	8.6	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		19.4	73.4	7.2	100.0
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		18.9	58.8	22.3	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		28.1	51.6	20.2	100.0
4. Pembinaan Construction		16.2	80.9	3.0	100.0
5. Perkhidmatan Services		53.5	38.0	8.5	100.0
5.1 Utiliti Utilities		45.4	50.4	4.3	100.0
5.2 Perdagangan borong dan runcit Wholesale and retail trade		43.3	50.6	6.2	100.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		30.5	67.0	2.5	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		32.9	60.4	6.6	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		72.0	17.2	10.9	100.0
5.6 Perkhidmatan lain Other services		66.5	21.7	11.8	100.0
Jumlah PMT Total COFC		44.0	44.1	11.8	100.0

Jadual 4.4 PMT mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table PMT by kind of economic activity and type of assets at constant 2015 prices

2019	RM juta RM million	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian <i>Agriculture</i>		1,295	2,574	4,689	8,558
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		11,476	13,628	3,221	28,325
3. Pembuatan <i>Manufacturing</i>		8,887	33,088	5,515	47,490
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		781	4,368	324	5,473
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		1,023	1,936	139	3,098
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		2,884	11,574	1,059	15,517
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		889	3,751	288	4,928
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		2,702	10,021	3,246	15,970
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		609	1,437	460	2,505
4. Pembinaan <i>Construction</i>		689	3,784	126	4,599
5. Perkhidmatan <i>Services</i>		68,779	54,014	11,052	133,845
5.1 Utiliti <i>Utilities</i>		8,095	9,670	811	18,577
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		3,848	5,252	653	9,752
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		965	2,396	80	3,441
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		10,902	23,056	2,045	36,002
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		24,874	6,600	3,429	34,902
5.6 Perkhidmatan lain <i>Other services</i>		20,096	7,040	4,035	31,171
Jumlah PMT Total COFC		91,127	107,088	24,603	222,818
Perubahan peratusan tahunan <i>Annual percentage change</i>					
1. Pertanian <i>Agriculture</i>		3.3	6.8	3.3	4.3
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		6.0	-4.9	6.4	0.5
3. Pembuatan <i>Manufacturing</i>		5.8	3.2	5.1	3.9
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		1.5	4.8	12.0	4.7
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		-0.6	-2.5	6.5	-1.5
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		11.9	5.0	9.2	6.5
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		2.1	2.8	8.9	3.0
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		5.6	3.0	3.7	3.6
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		2.7	-5.5	-0.3	-2.7
4. Pembinaan <i>Construction</i>		4.3	5.2	3.0	5.0
5. Perkhidmatan <i>Services</i>		4.5	4.2	2.7	4.2
5.1 Utiliti <i>Utilities</i>		1.3	7.5	-0.6	4.4
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		7.6	4.9	-3.5	5.4
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		4.1	9.9	1.6	8.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		5.1	1.3	5.0	2.6
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		6.3	7.3	9.1	6.7
5.6 Perkhidmatan lain <i>Other services</i>		2.8	4.4	-1.7	2.6
Jumlah PMT Total COFC		4.8	2.7	3.8	3.7

Jadual 4.4 PMT mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table PMT by kind of economic activity and type of assets at constant 2015 prices

2019	Peratus sumbangan mengikut jenis aktiviti ekonomi Percentage share by kind of economic activity	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		1.4	2.4	19.1	3.8
2. Perlombongan dan pengkuarian Mining and quarrying		12.6	12.7	13.1	12.7
3. Pembuatan Manufacturing		9.8	30.9	22.4	21.3
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		0.9	4.1	1.3	2.5
3.2 Produk tekstil dan kayu Textiles and wood products		1.1	1.8	0.6	1.4
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		3.2	10.8	4.3	7.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		1.0	3.5	1.2	2.2
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		3.0	9.4	13.2	7.2
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		0.7	1.3	1.9	1.1
4. Pembinaan Construction		0.8	3.5	0.5	2.1
5. Perkhidmatan Services		75.5	50.4	44.9	60.1
5.1 Utiliti Utilities		8.9	9.0	3.3	8.3
5.2 Perdagangan borong dan runcit Wholesale and retail trade		4.2	4.9	2.7	4.4
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		1.1	2.2	0.3	1.5
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		12.0	21.5	8.3	16.2
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		27.3	6.2	13.9	15.7
5.6 Perkhidmatan lain Other services		22.1	6.6	16.4	14.0
Jumlah PMT Total COFC		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset Percentage share by type of assets	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		15.1	30.1	54.8	100.0
2. Perlombongan dan pengkuarian Mining and quarrying		40.5	48.1	11.4	100.0
3. Pembuatan Manufacturing		18.7	69.7	11.6	100.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		14.3	79.8	5.9	100.0
3.2 Produk tekstil dan kayu Textiles and wood products		33.0	62.5	4.5	100.0
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		18.6	74.6	6.8	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		18.0	76.1	5.8	100.0
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		16.9	62.8	20.3	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		24.3	57.4	18.4	100.0
4. Pembinaan Construction		15.0	82.3	2.7	100.0
5. Perkhidmatan Services		51.4	40.4	8.3	100.0
5.1 Utiliti Utilities		43.6	52.1	4.4	100.0
5.2 Perdagangan borong dan runcit Wholesale and retail trade		39.5	53.9	6.7	100.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		28.0	69.6	2.3	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		30.3	64.0	5.7	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		71.3	18.9	9.8	100.0
5.6 Perkhidmatan lain Other services		64.5	22.6	12.9	100.0
Jumlah PMT Total COFC		40.9	48.1	11.0	100.0

Jadual 4.4 PMT mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table COFC by kind of economic activity and type of assets at constant 2015 prices

2020	RM juta RM million	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian <i>Agriculture</i>		1,328	2,708	4,819	8,856
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		12,103	11,723	3,405	27,231
3. Pembuatan <i>Manufacturing</i>		9,344	33,002	5,726	48,072
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		792	4,585	358	5,735
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		1,017	1,849	147	3,012
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		3,162	11,431	1,146	15,739
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		907	3,773	308	4,988
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		2,842	10,029	3,316	16,187
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		624	1,335	451	2,410
4. Pembinaan <i>Construction</i>		726	3,882	129	4,737
5. Perkhidmatan <i>Services</i>		71,669	55,173	11,214	138,056
5.1 Utiliti <i>Utilities</i>		8,275	10,207	801	19,284
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		4,129	5,299	629	10,058
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		1,010	2,492	81	3,583
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		11,327	23,240	2,148	36,716
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		26,347	6,718	3,676	36,741
5.6 Perkhidmatan lain <i>Other services</i>		20,580	7,216	3,878	31,675
Jumlah PMT Total COFC		95,170	106,489	25,292	226,951
Perubahan peratusan tahunan <i>Annual percentage change</i>					
1. Pertanian <i>Agriculture</i>		2.5	5.2	2.8	3.5
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		5.5	-14.0	5.7	-3.9
3. Pembuatan <i>Manufacturing</i>		5.1	-0.3	3.8	1.2
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		1.4	5.0	10.5	4.8
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		-0.6	-4.5	5.7	-2.8
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		9.6	-1.2	8.2	1.4
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		2.1	0.6	7.0	1.2
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		5.2	0.1	2.2	1.4
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		2.6	-7.1	-1.9	-3.8
4. Pembinaan <i>Construction</i>		5.3	2.6	2.4	3.0
5. Perkhidmatan <i>Services</i>		4.2	2.1	1.5	3.1
5.1 Utiliti <i>Utilities</i>		2.2	5.6	-1.3	3.8
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		7.3	0.9	-3.7	3.1
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		4.8	4.0	1.2	4.1
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		3.9	0.8	5.1	2.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		5.9	1.8	7.2	5.3
5.6 Perkhidmatan lain <i>Other services</i>		2.4	2.5	-3.9	1.6
Jumlah PMT Total COFC		4.4	-0.6	2.8	1.9

Jadual 4.4 PMT mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table COFC by kind of economic activity and type of assets at constant 2015 prices

2020	Peratus sumbangan mengikut jenis aktiviti ekonomi Percentage share by kind of economic activity	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		1.4	2.5	19.1	3.9
2. Perlombongan dan pengkuarian Mining and quarrying		12.7	11.0	13.5	12.0
3. Pembuatan Manufacturing		9.8	31.0	22.6	21.2
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		0.8	4.3	1.4	2.5
3.2 Produk tekstil dan kayu Textiles and wood products		1.1	1.7	0.6	1.3
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		3.3	10.7	4.5	6.9
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		1.0	3.5	1.2	2.2
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		3.0	9.4	13.1	7.1
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		0.7	1.3	1.8	1.1
4. Pembinaan Construction		0.8	3.6	0.5	2.1
5. Perkhidmatan Services		75.3	51.8	44.3	60.8
5.1 Utiliti Utilities		8.7	9.6	3.2	8.5
5.2 Perdagangan borong dan runcit Wholesale and retail trade		4.3	5.0	2.5	4.4
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		1.1	2.3	0.3	1.6
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		11.9	21.8	8.5	16.2
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		27.7	6.3	14.5	16.2
5.6 Perkhidmatan lain Other services		21.6	6.8	15.3	14.0
Jumlah PMT Total COFC		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset Percentage share by type of assets	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian Agriculture		15.0	30.6	54.4	100.0
2. Perlombongan dan pengkuarian Mining and quarrying		44.4	43.0	12.5	100.0
3. Pembuatan Manufacturing		19.4	68.7	11.9	100.0
3.1 Makanan, minuman dan tembakau Food, beverages and tobacco		13.8	80.0	6.2	100.0
3.2 Produk tekstil dan kayu Textiles and wood products		33.8	61.4	4.9	100.0
3.3 Produk petroleum, kimia, getah dan plastik Petroleum, chemicals, rubber and plastic products		20.1	72.6	7.3	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		18.2	75.6	6.2	100.0
3.5 Produk elektrik, elektronik dan optikal Electrical, electronic and optical products		17.6	62.0	20.5	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan Transport equipment, other manufacturing and repair		25.9	55.4	18.7	100.0
4. Pembinaan Construction		15.3	82.0	2.7	100.0
5. Perkhidmatan Services		51.9	40.0	8.1	100.0
5.1 Utiliti Utilities		42.9	52.9	4.2	100.0
5.2 Perdagangan borong dan runcit Wholesale and retail trade		41.1	52.7	6.3	100.0
5.3 Makanan & minuman dan penginapan Food & beverage and accommodation		28.2	69.5	2.3	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi Transportation & storage and information & communication		30.9	63.3	5.9	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan Finance, insurance, real estate and business services		71.7	18.3	10.0	100.0
5.6 Perkhidmatan lain Other services		65.0	22.8	12.2	100.0
Jumlah PMT Total COFC		41.9	46.9	11.2	100.0

Jadual 4.4 PMT mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table 4.4 COFC by kind of economic activity and type of assets at constant 2015 prices

2021	RM juta RM million	Struktur Structure	Jentera dan peralatan Machinery and equipment	Aset lain Other assets	Jumlah Total
1. Pertanian <i>Agriculture</i>		1,353	2,817	4,924	9,094
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		12,674	9,448	3,579	25,701
3. Pembuatan <i>Manufacturing</i>		9,808	32,395	5,869	48,071
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		811	4,818	391	6,019
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		1,011	1,749	154	2,913
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		3,427	10,927	1,229	15,584
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		932	3,742	327	5,001
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		2,987	9,915	3,332	16,234
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		641	1,244	436	2,320
4. Pembinaan <i>Construction</i>		764	3,961	132	4,857
5. Perkhidmatan <i>Services</i>		74,406	55,609	11,272	141,287
5.1 Utiliti <i>Utilities</i>		8,568	10,450	785	19,803
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		4,422	5,318	603	10,343
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		1,066	2,479	82	3,627
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		11,661	23,357	2,300	37,319
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		27,725	6,657	3,834	38,216
5.6 Perkhidmatan lain <i>Other services</i>		20,965	7,347	3,667	31,979
Jumlah PMT Total COFC		99,005	104,230	25,776	229,010
Perubahan peratusan tahunan <i>Annual percentage change</i>					
1. Pertanian <i>Agriculture</i>		1.9	4.0	2.2	2.7
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		4.7	-19.4	5.1	-5.6
3. Pembuatan <i>Manufacturing</i>		5.0	-1.8	2.5	0.0
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		2.4	5.1	9.2	5.0
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		-0.6	-5.4	5.1	-3.3
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		8.4	-4.4	7.3	-1.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		2.7	-0.8	5.9	0.2
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		5.1	-1.1	0.5	0.3
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		2.6	-6.8	-3.4	-3.7
4. Pembinaan <i>Construction</i>		5.2	2.0	2.4	2.5
5. Perkhidmatan <i>Services</i>		3.8	0.8	0.5	2.3
5.1 Utiliti <i>Utilities</i>		3.5	2.4	-1.9	2.7
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		7.1	0.4	-4.1	2.8
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		5.5	-0.5	1.0	1.2
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		2.9	0.5	7.1	1.6
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		5.2	-0.9	4.3	4.0
5.6 Perkhidmatan lain <i>Other services</i>		1.9	1.8	-5.5	1.0
Jumlah PMT Total COFC		4.0	-2.1	1.9	0.9

Jadual 4.4 PMT mengikut jenis aktiviti ekonomi dan jenis aset pada harga malar 2015
Table 4.4 COFC by kind of economic activity and type of assets at constant 2015 prices

2021	Peratus sumbangan mengikut jenis aktiviti ekonomi <i>Percentage share by kind of economic activity</i>	Struktur <i>Structure</i>	Jentera dan peralatan <i>Machinery and equipment</i>	Aset lain <i>Other assets</i>	Jumlah <i>Total</i>
1. Pertanian <i>Agriculture</i>		1.4	2.7	19.1	4.0
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		12.8	9.1	13.9	11.2
3. Pembuatan <i>Manufacturing</i>		9.9	31.1	22.8	21.0
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		0.8	4.6	1.5	2.6
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		1.0	1.7	0.6	1.3
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		3.5	10.5	4.8	6.8
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		0.9	3.6	1.3	2.2
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		3.0	9.5	12.9	7.1
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		0.6	1.2	1.7	1.0
4. Pembinaan <i>Construction</i>		0.8	3.8	0.5	2.1
5. Perkhidmatan <i>Services</i>		75.2	53.4	43.7	61.7
5.1 Utiliti <i>Utilities</i>		8.7	10.0	3.0	8.6
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		4.5	5.1	2.3	4.5
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		1.1	2.4	0.3	1.6
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		11.8	22.4	8.9	16.3
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		28.0	6.4	14.9	16.7
5.6 Perkhidmatan lain <i>Other services</i>		21.2	7.0	14.2	14.0
Jumlah PMT <i>Total COFC</i>		100.0	100.0	100.0	100.0
	Peratus sumbangan mengikut jenis aset <i>Percentage share by type of assets</i>	Struktur <i>Structure</i>	Jentera dan peralatan <i>Machinery and equipment</i>	Aset lain <i>Other assets</i>	Jumlah <i>Total</i>
1. Pertanian <i>Agriculture</i>		14.9	31.0	54.1	100.0
2. Perlombongan dan pengkuarian <i>Mining and quarrying</i>		49.3	36.8	13.9	100.0
3. Pembuatan <i>Manufacturing</i>		20.4	67.4	12.2	100.0
3.1 Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>		13.5	80.0	6.5	100.0
3.2 Produk tekstil dan kayu <i>Textiles and wood products</i>		34.7	60.0	5.3	100.0
3.3 Produk petroleum, kimia, getah dan plastik <i>Petroleum, chemicals, rubber and plastic products</i>		22.0	70.1	7.9	100.0
3.4 Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>		18.6	74.8	6.5	100.0
3.5 Produk elektrik, elektronik dan optikal <i>Electrical, electronic and optical products</i>		18.4	61.1	20.5	100.0
3.6 Peralatan pengangkutan, pembuatan lain dan pembaikan <i>Transport equipment, other manufacturing and repair</i>		27.6	53.6	18.8	100.0
4. Pembinaan <i>Construction</i>		15.7	81.6	2.7	100.0
5. Perkhidmatan <i>Services</i>		52.6	39.4	8.0	100.0
5.1 Utiliti <i>Utilities</i>		43.3	52.8	4.0	100.0
5.2 Perdagangan borong dan runcit <i>Wholesale and retail trade</i>		42.7	51.4	5.8	100.0
5.3 Makanan & minuman dan penginapan <i>Food & beverage and accommodation</i>		29.4	68.4	2.3	100.0
5.4 Pengangkutan & penyimpanan dan maklumat & komunikasi <i>Transportation & storage and information & communication</i>		31.2	62.6	6.2	100.0
5.5 Kewangan, insurans, hartanah dan perkhidmatan perniagaan <i>Finance, insurance, real estate and business services</i>		72.5	17.4	10.0	100.0
5.6 Perkhidmatan lain <i>Other services</i>		65.6	23.0	11.5	100.0
Jumlah PMT <i>Total COFC</i>		43.2	45.5	11.3	100.0



NOTA TEKNIKAL

TECHNICAL NOTES



1. DEFINISI

1.1 Stok Modal Kasar (SMK)

SMK merupakan pelaburan terkumpul ditolak dengan nilai aset terkumpul yang tidak lagi beroperasi (iaitu telah bersara atau dibuang).

1.2 Stok Modal Bersih (SMB)

SMB merupakan pelaburan terkumpul ditolak dengan nilai aset yang telah bersara dan susut nilai terkumpul bagi aset yang masih beroperasi (SMK ditolak dengan susut nilai terkumpul bagi aset masih beroperasi). Ia juga merupakan nilai bersih semasa bagi menjana perkhidmatan modal di masa depan yang akan diberikan oleh aset terkumpul tersebut.

1.3 Stok Modal Produktif (SMP)

SMP diperoleh daripada nilai kasar aset bagi aset yang berbeza usianya kerana perbezaan kecekapan aset-aset tersebut.

1.4 Penggunaan Modal Tetap (PMT)

PMT merupakan aset yang digunakan dalam proses pengeluaran semasa tempoh perakaunan.

Nilai bagi SMK, SMB dan SMP adalah merujuk kepada nilai akhir tahun manakala bagi PMT merujuk kepada nilai tahun semasa.

2. METODOLOGI

Perpetual Inventory Method (PIM) menjana anggaran stok modal dengan mengumpul pembelian aset-aset terdahulu mengikut anggaran hayat perkhidmatannya. Terdapat dua pendekatan dalam melaksanakan PIM iaitu tradisional PIM dan pendekatan bersepadu.

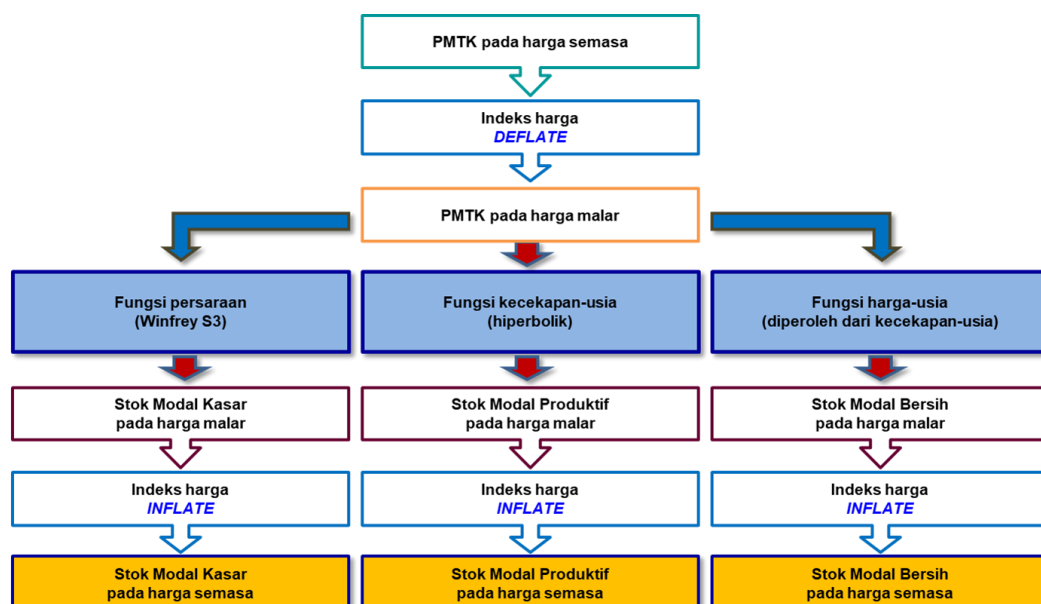
2.1 PIM pendekatan bersepadu

PIM pendekatan bersepadu digunakan untuk menganggarkan stok modal di Malaysia. Pendekatan bersepadu PIM dipelopori oleh *United States Bureau of Labor Statistics (BLS)* dan turut digunakan oleh *Australian Bureau of Statistics (ABS)*.

Pendekatan bersepadu mempunyai kelebihan iaitu semua data stok dan aliran perlu konsisten antara satu sama lain. Pendekatan ini digunakan kerana ia memastikan konsistensi antara pengukuran perkhidmatan modal, PMT dan SMB.

Profil kecekapan-usia digunakan untuk menjana profil harga-usia aset dan di mana kemudiannya PMT diperoleh secara tidak langsung sebagai perbezaan antara turutan nilai SMB. Langkah-langkah yang terlibat dalam melaksanakan PIM diringkaskan dalam Rajah 1.

Rajah 1: Aplikasi PIM (Pendekatan bersepadu)



2.2 Keperluan PIM

Keperluan asas untuk menjana PIM adalah:

i. Pembentukan Modal Tetap Kasar (PMTK)

Data siri masa PMTK mengikut jenis aktiviti ekonomi dan jenis aset.

ii. Indeks harga

Indeks harga mengikut jenis aset untuk sepanjang tempoh PMTK.

iii. Purata hayat perkhidmatan aset

Purata hayat perkhidmatan aset iaitu purata tempoh masa sesuatu aset digunakan dalam pengeluaran.

iv. Fungsi persamaan

Setakat mana harta bersara sebelum, semasa atau selepas purata jangka hayatnya. Persamaan terjadi apabila harta modal dikeluarkan daripada stok modal pada akhir hayat perkhidmatannya. Persamaan juga sinonim dengan “dibuang” dan “dimusnahkan”.

v. Profil kecekapan-usia

Profil kecekapan-usia aset menggambarkan perubahan (biasanya penurunan) dalam kecekapan aset apabila usia sesuatu aset meningkat. Dalam konteks ini, kecekapan merujuk kepada kemampuan aset untuk menghasilkan kuantiti perkhidmatan modal bagi jumlah input yang telah diberikan. Ia digunakan untuk mendapatkan anggaran SMP.

vi. Profil harga-usia

Profil harga-usia aset menggambarkan perubahan (biasanya penurunan) dalam harga aset apabila usia sesuatu aset meningkat. Ia digunakan untuk mendapatkan anggaran SMB dan PMT.

2.3 Pola persamaan, fungsi kecekapan-usia dan harga-usia

i. Pola persamaan

Empat jenis pola persamaan yang disarankan dalam manual OECD iaitu:

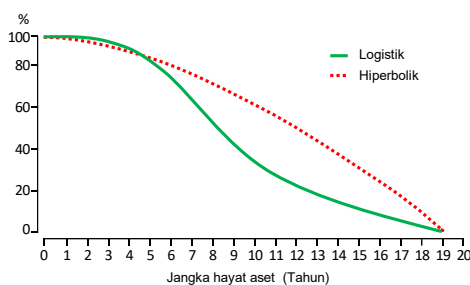
- keluar serentak
- linear
- linear tertangguh
- bentuk loceng (*Winfrey*, *Weibull* dan *Lognormal*)

*Winfrey S3*¹ digunakan untuk fungsi persamaan bagi semua jenis aset kecuali aset hiburan, kesusasteraan dan kesenian asal, *Winfrey S0*.

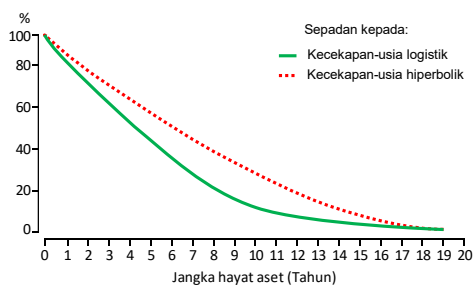
ii. Fungsi kecekapan-usia

Terdapat beberapa fungsi kecekapan-usia yang telah dibincangkan dalam manual OECD. Fungsi hiperbolik yang digunakan adalah sama seperti yang digunakan oleh ABS dan BLS. Fungsi kecekapan-usia hiperbolik menerangkan bahawa kecekapan aset pada mulanya menurun dengan jumlah yang kecil dan kadar penurunan mula meningkat apabila aset tersebut semakin meningkat usianya (Rajah 2).

Rajah 2: Fungsi kecekapan-usia



Rajah 3: Fungsi harga-usia



¹ Keluk *mortality function Winfrey S3* telah dibangunkan oleh Robley Winfrey berdasarkan kepada kajian beliau ke atas 176 kumpulan aset industri. Keluk *mortality function Winfrey S3* ini telah mengandaikan bahawa "pembuangan aset" bermula pada 45% daripada purata jangka hayat dan berterusan ke 155% daripada purata, di mana semua aset bagi umur yang diberikan telah dibuang. *Engineering Valuation and Depreciation*, 1953, Jadual B.1 halaman 416.

Penurunan hiperbolik adalah dalam bentuk:

$$E_t = \frac{M - A_t}{M - \beta A_t}$$

- Di mana ;
- E_t adalah kecekapan aset pada waktu t (sebagai nisbah kecekapan hayat aset semasa aset tersebut masih baru)
 - M adalah jangka hayat aset untuk setiap taburan *Winfrey*
 - A_t adalah usia aset pada masa t
 - β adalah parameter pengurangan kecekapan

Parameter pengurangan kecekapan β ditetapkan pada 0.5 untuk jentera dan peralatan, perabot dan pemasangan, komputer dan 0.75 untuk struktur (yang sama digunakan oleh ABS dan BLS seperti yang disarankan dalam manual OECD). Untuk cari gali mineral & penilaian dan penyelidikan & pembangunan, β ditetapkan pada 1, menggambarkan bahawa tiada penurunan kecekapan dalam pengetahuan.

Rajah 2 dan 3 menunjukkan jenis utama bagi fungsi kecekapan-usia dan fungsi harga-usia yang berkaitan dengan setiap fungsi kecekapan-usia. Apabila fungsi hiperbolik bagi setiap kemungkinan hayat perkhidmatan aset diwajarkan bersama (untuk setiap taburan *Winfrey*), ia menghasilkan purata fungsi kecekapan-usia yang menyerupai fungsi logistik dengan titik lengkok balas apabila mencapai akhir usia maksimum aset².

iii. Fungsi harga-usia

Fungsi harga-usia dikira menggunakan fungsi kecekapan-usia dan kadar diskaun benar. Ia menggambarkan penurunan aliran perkhidmatan modal bagi aset yang semakin meningkat usia. Dengan menggunakan kadar diskaun tersebut, nilai bersih semasa perkhidmatan modal masa hadapan dapat dikira. Dalam penyusunan ini, kadar diskaun benar lima peratus telah dipilih iaitu hampir kepada kadar benar purata bagi 10 tahun bon kerajaan Malaysia.

² *Australian System of National Accounts : Concepts, Sources and Methods 2015*, Bab 14 halaman 357-381

3. SUMBER DATA

3.1 Pembentukan Modal Tetap Kasar (PMTK)

Data siri masa PMTK dikumpul dan disusun bermula dari tahun 1955 hingga tahun terkini mengikut 16 jenis aset dan 24 jenis aktiviti ekonomi di Malaysia. Bagi tahun-tahun terkini, data PMTK diperoleh daripada penyusunan PMTK tahunan.

i. Sumber data dalaman

Bagi data siri masa terdahulu, sumber data dalaman diperoleh daripada banci dan penyiasatan ekonomi yang dijalankan oleh Jabatan, penerbitan yang mengandungi maklumat agensi lain dan data import barangan modal.

ii. Sumber data luaran

Sumber data luaran adalah daripada rekod pentadbiran, laporan tahunan syarikat, akaun kewangan syarikat, data yang diperoleh dan diekstrak daripada Arkib Negara Malaysia, penerbitan agensi lain dan maklumat daripada Rancangan Malaysia. Data siri masa terutamanya untuk sektor pengangkutan dan utiliti disusun daripada rekod pentadbiran dan laporan tahunan syarikat yang diekstrak daripada Arkib Negara Malaysia. Selain itu, bagi tahun di mana data PMTK tidak diperoleh, pelbagai teknik anggaran digunakan untuk memperoleh data PMTK termasuk menggunakan petunjuk-petunjuk seperti pengeluaran, pendapatan dan jualan.

Maklumat daripada Rancangan Malaysia dan Kajian Separuh Penggal Rancangan Malaysia memberikan panduan nilai belanjawan yang diperuntukkan dan telah digunakan terutama bagi projek-projek utama dalam pelbagai sektor seperti pengangkutan, utiliti dan telekomunikasi. Maklumat ini turut merangkumi projek-projek yang telah dilaksanakan atau ditangguhkan.

Oleh itu, Rancangan Malaysia dan Kajian Separuh Penggal juga sangat penting untuk menyokong dan menjadi asas kepada anggaran PMTK bagi suatu tempoh masa tertentu terutamanya pada peringkat sektor ekonomi.

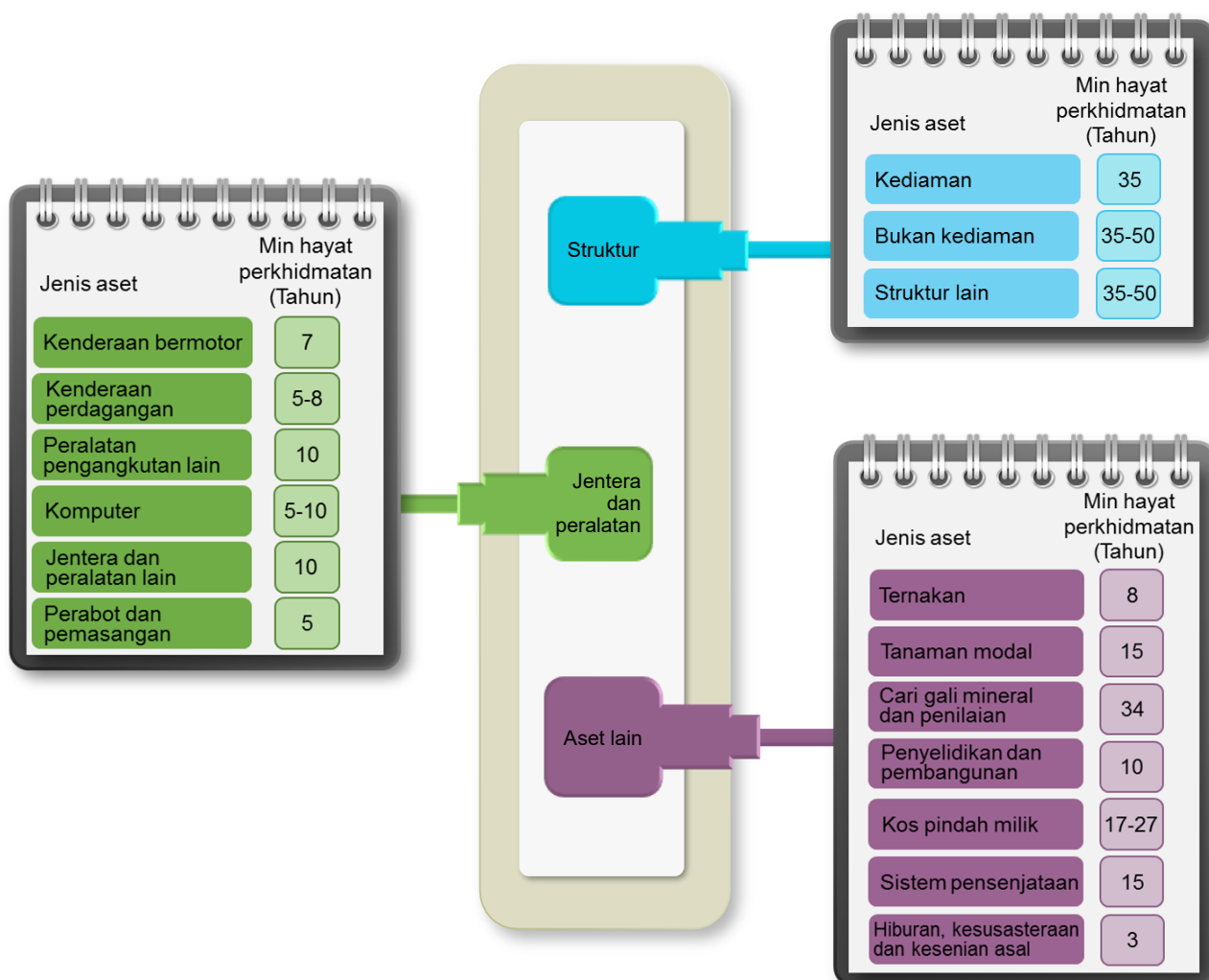
3.2 Pendeflasi Harga

Indeks harga utama yang digunakan sebagai pendeflasi untuk mendapatkan anggaran stok modal pada harga malar adalah Indeks Harga Pengeluar (IHPR), Indeks Kos Bahan Binaan Bangunan (IKB) dan Indeks Harga Pengguna (IHP). IHPR digunakan untuk pendeflasi sebahagian besar aset seperti jentera dan peralatan, peralatan pengangkutan, komputer dan perabot & pemasangan. IKB digunakan untuk mendeflasi struktur. Pendeflasi untuk hiburan, kesusasteraan dan kesenian asal adalah menggunakan IHP dan IHPR yang relevan bagi item tersebut.

3.3 Min hayat perkhidmatan aset

Hayat perkhidmatan aset diperoleh daripada pelbagai sumber, terutamanya daripada laporan tahunan syarikat pelbagai industri. Anggaran hayat perkhidmatan aset tertentu adalah berdasarkan kepada perbincangan dengan industri, penilaian pakar dan hayat perkhidmatan aset tertentu di negara-negara lain yang dianggap sama³. Hayat perkhidmatan bagi semua aset adalah tetap sepanjang masa. Semakan hayat perkhidmatan komputer dan kos pindah milik telah dilaksanakan semasa pelaksanaan pengasasan semula. Min hayat perkhidmatan aset yang digunakan dalam siri ini adalah seperti jadual di bawah.

Min hayat perkhidmatan aset



³ Organisation for Economic Co-operation and Development (OECD), *Measuring Capital OECD Manual*, 2009, halaman 110.

1. DEFINITIONS

1.1 Gross Capital Stock (GKS)

GKS represents accumulated investment less the accumulated value of the assets no longer operating (that is retired or discarded).

1.2 Net Capital Stock (NKS)

NKS represents accumulated investment less retirements and accumulated depreciation for assets still operating (GKS less accumulated depreciation on assets still operating). It also represents the net present values of the future capital services to be provided by the assets.

1.3 Productive Capital Stock (PKS)

PKS is derived from the gross value of assets of different ages due to differences in their efficiencies.

1.4 Consumption of Fixed Capital (COFC)

COFC is the assets used up in the production process during an accounting period.

The value of GKS, NKS and PKS was referred to the end year value, while COFC was referred to the value of current year.

2. METHODOLOGY

The Perpetual Inventory Method (PIM) generates an estimate of capital stock by accumulating past purchases of assets over their estimated service lives. There are two approaches in applying PIM that are the traditional PIM and integrated approach.

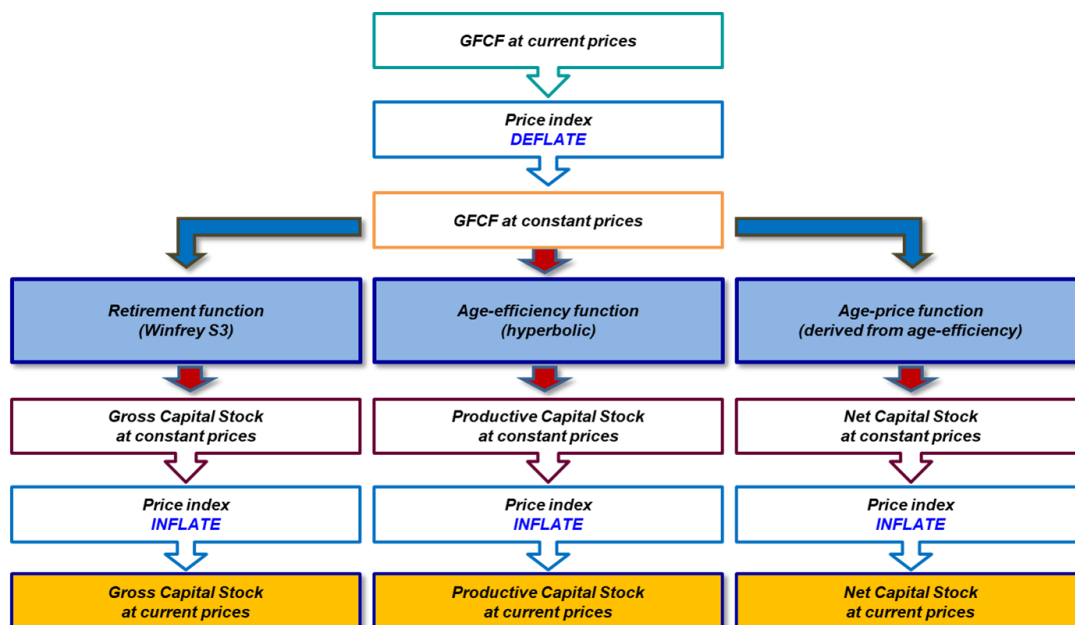
2.1 PIM integrated approach

PIM integrated approach is applied to estimate the capital stocks in Malaysia. The PIM integrated approach was pioneered by the United States Bureau of Labor Statistics (BLS) and also used by the Australian Bureau of Statistics (ABS).

The integrated approach has an advantage that all stocks and flow data are necessarily consistent with each other. This approach is used as it ensures consistency between the measurement of capital services, COFC and NKS.

The age-efficiency profile is used to generate age-price profiles for assets and then to derive COFC indirectly as the difference between successive values of the NKS. The steps involved in applying the PIM are summarised in Diagram 1.

Diagram 1: Application of PIM (Integrated approach)



2.2 Requirements of PIM

The basic requirements to apply the PIM are:

i. Gross Fixed Capital Formation (GFCF)

Time series of GFCF data by kind of economic activity and by type of assets.

ii. Price indices

Price indices by type of assets for the entire time span of GFCF.

iii. Average asset service lives

The average length of asset service lives, i.e. average length of time they are used in production.

iv. Retirement function

The extent to which assets are retired before, on or after the average asset lives for that asset. Retirements occur when capital assets are withdrawn from the capital stocks at the end of their service lives. Retirements are also synonymous with “discards” and “scrapping”.

v. Age-efficiency profile

The age-efficiency profile of an asset describes the change (usually the decline) in the efficiency of an asset as it ages. In this context, efficiency refers to the asset's ability to produce quantity of capital services for a given amount of inputs. It is used to derive PKS estimates.

vi. Age-price profile

The age-price profile of an asset describes the change (usually the decline) in the price of an asset as it ages. It is used to derive NKS and COFC estimates.

2.3 Retirement patterns, age-efficiency and age-price functions

i. Retirement patterns

Four types of retirement patterns are recommended in the OECD manual, which are:

- simultaneous exit
- linear
- delayed linear
- bell shaped (Winfrey, Weibull and Lognormal)

Winfrey S3¹ was applied for retirement functions for all the asset types except entertainment, literary and artistic originals, Winfrey S0.

ii. Age-efficiency functions

There are several age-efficiency functions that were discussed in the OECD manual. Hyperbolic functions are applied as used by ABS and BLS. The hyperbolic age-efficiency function describes that the efficiency of the asset declines by small amounts at first and the rate of decline increases as the asset ages (Diagram 2).

Diagram 2: Age-efficiency functions

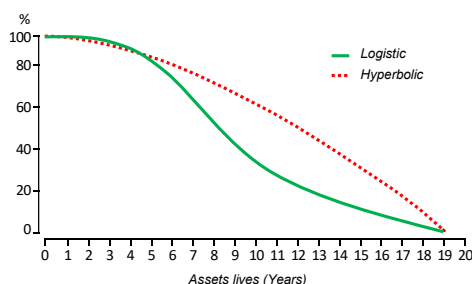
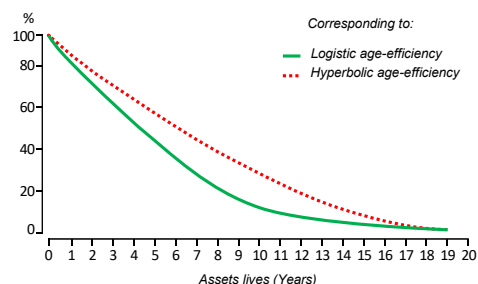


Diagram 3: Age-price functions



¹ Winfrey S3 curve mortality function was developed by Robley Winfrey based on his studies on 176 groups of industrial assets. The Winfrey S3 curve mortality function assumes that discards start at 45% of the average age and continue to 155% of the average, by which time all the assets of a given vintage have been discarded. *Engineering Valuation and Depreciation*, 1953, Table B.1 page 416.

Hyperbolic decline in the form:

$$E_t = \frac{M - A_t}{M - \beta A_t}$$

Where ; E_t is the efficiency of the asset at time t (as a ratio of the asset's lives efficiency when the asset is new)

M is the asset lives as per the Winfrey distribution

A_t is the age of the asset at time t

β is the efficiency reduction parameter

The efficiency reduction parameter β is set to 0.5 for machinery and equipment, furniture and fittings, computers and 0.75 for structure (the same being used by ABS and BLS as recommended in the OECD Manual). For mineral exploration & evaluation and research & development, β is set to 1, implying that there is no efficiency decline in knowledge.

Diagram 2 and 3 show the main types of age-efficiency functions and the age-price functions respectively relating to each of the age-efficiency functions. When the hyperbolic functions for each of the possible lives of an asset are weighted together (as per the Winfrey distributions), the resulting average age-efficiency function resembles a logistic function with a point of inflection towards the end of its maximum lives of assets².

iii. Age-price function

Age-price function is calculated using age-efficiency functions and a real discount rate. It describes the decline in the flow of capital services of an asset as it ages. By using the discount rate, the net present values of future capital services can be calculated. In this compilation, a real discount rate of five per cent has been chosen, which is approximately to the average real Malaysia's 10-year government bond rate.

² Australian System of National Accounts : Concepts, Sources and Methods 2015, Chapter 14 page 357-381

3. DATA SOURCES

3.1 Gross Fixed Capital Formation (GFCF)

The GFCF time series data was collected and compiled from 1955 onwards by 16 types of assets and 24 kind of economic activities in Malaysia. In the recent years, GFCF data are obtained from the annual GFCF compilation.

i. Internal data sources

For the historical time series data, internal data sources are obtained from the economic censuses and surveys conducted by the Department, publications containing information from other agencies and imported capital goods data.

ii. External data sources

External data sources are from administrative records, company annual reports, company financial accounts, data obtained and extracted from National Archives of Malaysia, other agencies' publications and information from the Malaysia Plans. The time series data particularly for transport and the utilities sectors is compiled from the administrative records and company annual reports extracted from National Archives of Malaysia. Other than that, for years when the GFCF data are not available, various estimation techniques are applied to obtain GFCF data which include using indicators such as production, revenues and sales.

Information from the Malaysia Plan and the Mid-Term Review Malaysia Plan provides guidelines on the value of the budget allocated and used especially for key projects in various sectors such as the transportation, utilities and telecommunication sectors. The information also includes the projects that had been implemented or postponed.

Thus, the Malaysia Plan and Mid-Term Review Malaysia Plans are very essential to support and to provide basis for the estimation of the GFCF data for the respective period specifically at the level of economic sectors.

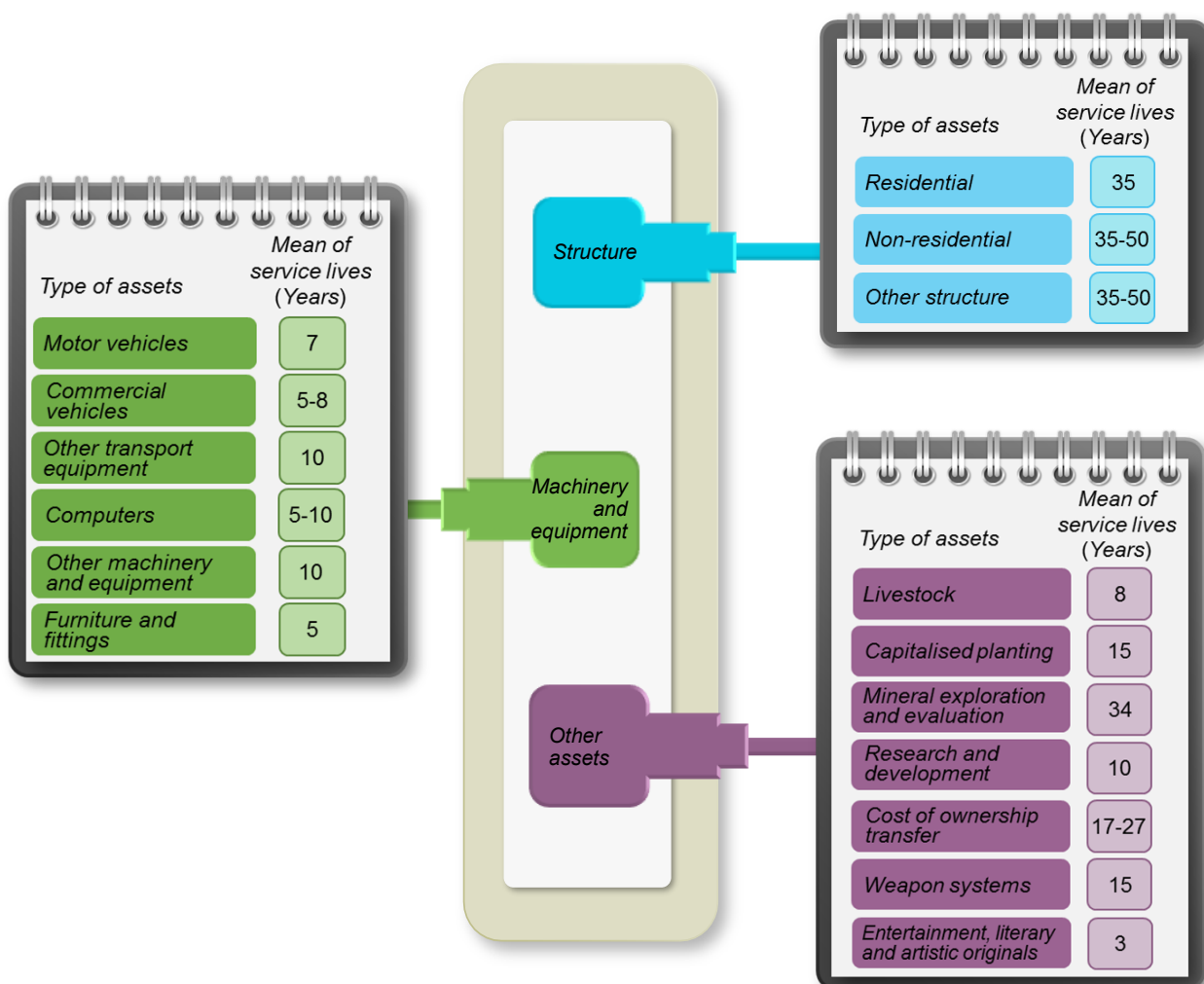
3.2 Price Deflator

Main price indices that are being used as the deflator for estimation of capital stock at constant prices are Producer Price Index (PPI), Building Material Cost Index (BCI) and Consumer Price Index (CPI). The PPI is used to deflate most of the assets such as machinery and equipment, transport equipment, computers and furniture & fittings. The BCI is used to deflate structure. The deflator for the entertainment, literary and artistic originals are the relevant CPI and PPI for the items.

3.3 Mean service lives of assets

The service lives of assets are obtained from various sources, mainly from the company annual reports of various industries. The estimation of service lives for certain assets are based on discussion with the industry, expert judgment and service lives of certain assets of other countries which are deemed to be similar³. Service lives for all assets are fixed over time. Revisions on the service lives of computers and cost of ownership transfer had been done during the rebasing exercise. The mean service lives of assets in this series is shown in the table below.

Mean service lives of assets



³ Organisation for Economic Co-operation and Development (OECD), *Measuring Capital OECD Manual*, 2009, page 110.

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