



KEMENTERIAN EKONOMI  
JABATAN PERANGKAAN MALAYSIA

# PEMBENTUKAN MODAL TETAP KASAR

---

## GROSS FIXED CAPITAL FORMATION

# 2022

### Pemakluman

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

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

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

### Announcement

*The Department of Statistics Malaysia (DOSM) is conducting the Economic Census in 2023. DOSM greatly appreciates the cooperation of respondents in providing information and ensuring the success of this census. Please visit [www.dosm.gov.my](http://www.dosm.gov.my) for more information.*

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

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

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## **KATA PENGANTAR**

Laporan Pembentukan Modal Tetap Kasar (PMTK) membentangkan siri masa PMTK bagi tahun 2015-2022 pada harga semasa dan harga malar 2015. Statistik ini menyediakan maklumat penting untuk mengukur potensi pertumbuhan ekonomi Malaysia berdasarkan kedudukan pelaburan aset tetap. Statistik PMTK disusun mengikut jenis aktiviti ekonomi, jenis aset dan sektor Awam & Swasta. Penyusunan statistik ini adalah merujuk kepada rangka kerja dan manual Sistem Akaun Negara 2008. Manakala, pengkelasan PMTK mengikut aktiviti ekonomi adalah mengikut Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Ver. 1.0.

Laporan ini mengandungi empat bahagian. Bahagian pertama memaparkan ringkasan penemuan PMTK bagi tahun 2022 dan diikuti oleh siri data PMTK. Nota teknikal dan senarai sumber data turut disediakan bagi memudahkan pemahaman statistik berkenaan.

Statistik ini boleh membantu agensi kerajaan, ahli ekonomi, ahli akademik serta individu bagi tujuan membuat perancangan dan penggubalan dasar, analisis ekonomi dan unjuran serta dapat membantu merancang pembangunan perniagaan.

Jabatan Perangkaan Malaysia (DOSM) merakamkan penghargaan atas kerjasama semua pihak dalam membekalkan data yang diperlukan dan menyumbang kepada kejayaan penerbitan ini. Sebarang maklum balas dan cadangan untuk penambahbaikan penerbitan ini pada masa akan datang amatlah dihargai.

**DATO' SRI DR. MOHD UZIR MAHIDIN**

Ketua Perangkawan Malaysia

Julai 2023

## **PREFACE**

*The Gross Fixed Capital Formation (GFCF) report presents a series of GFCF statistics for 2015-2022 at both current and constant 2015 prices. The statistics provide essential information to measure the potential growth of Malaysia's economy based on its fixed assets investment position. The GFCF statistics are compiled by kind of economic activity, type of asset and public & private sectors. The compilation of the statistics in this report followed the framework and manual of the System of National Accounts 2008. Meanwhile, the classification of GFCF by kind of economic activity was adopted from the Malaysia Standard Industrial Classification (MSIC) 2008 Ver. 1.0.*

*This report contains four parts. The first part of the report highlighted the summary of findings for GFCF 2022, followed by the data series of GFCF. Technical notes and a list of data sources are also included for a better understanding of the statistics.*

*These statistics could assist government agencies, economists, academicians and individuals for planning and formulation of policies, economic analysis and projections as well as for business development planning.*

*The Department of Statistics Malaysia (DOSM) acknowledges the cooperation of all parties that have provided the required data and contributed to the success of this publication. Any feedback and suggestions towards improving the future publication are highly appreciated.*

**DATO' SRI DR. MOHD UZIR MAHIDIN**

*Chief Statistician Malaysia*

*July 2023*



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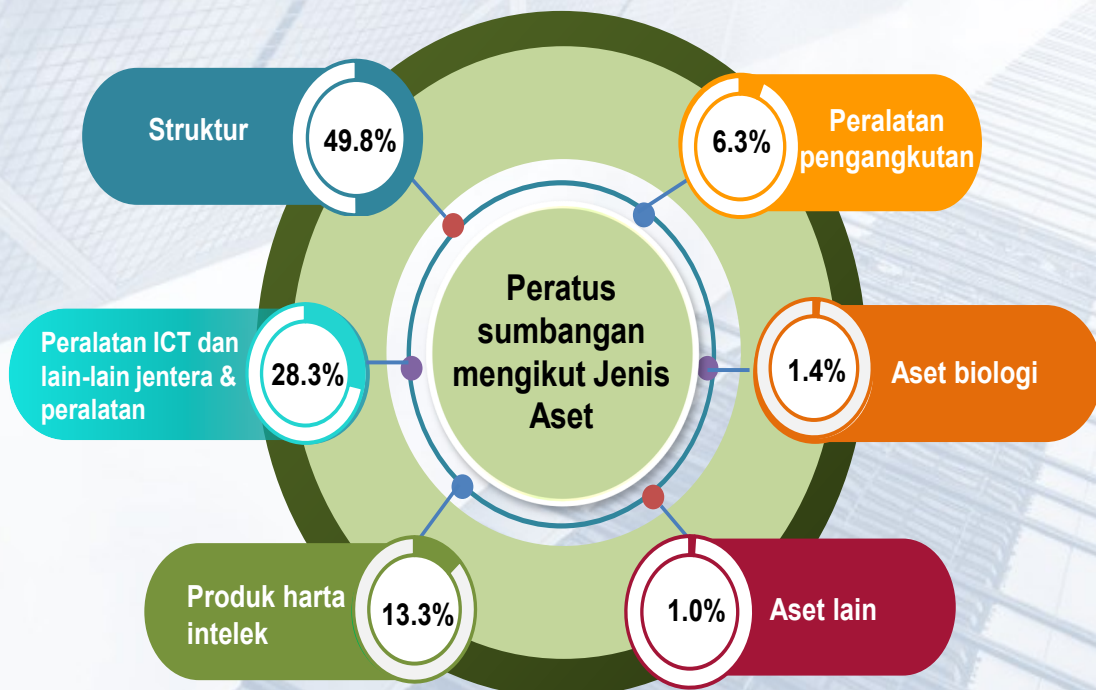
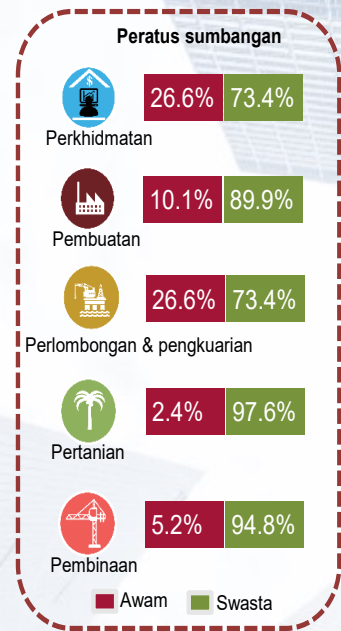
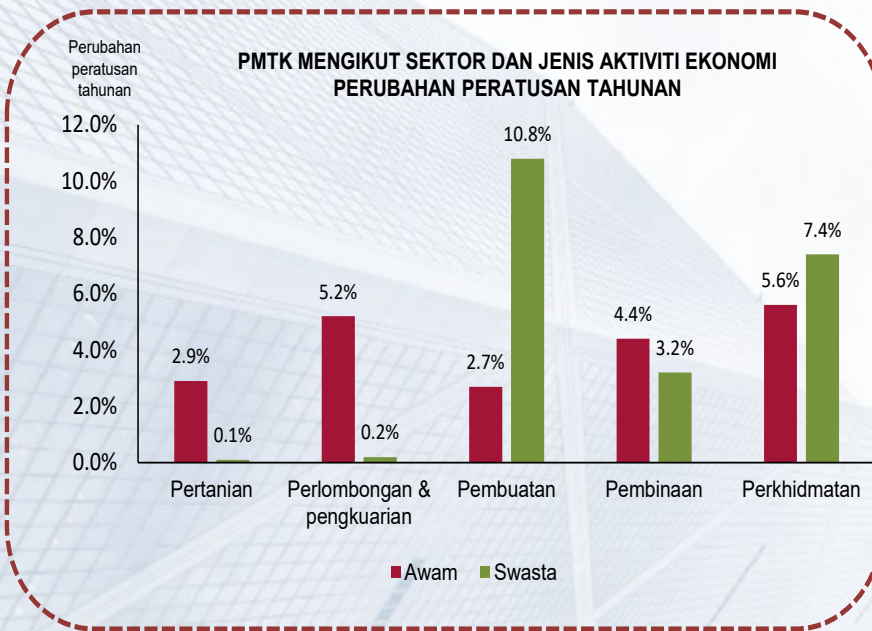
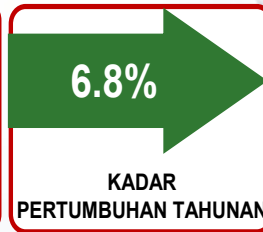
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# PENEMUAN UTAMA

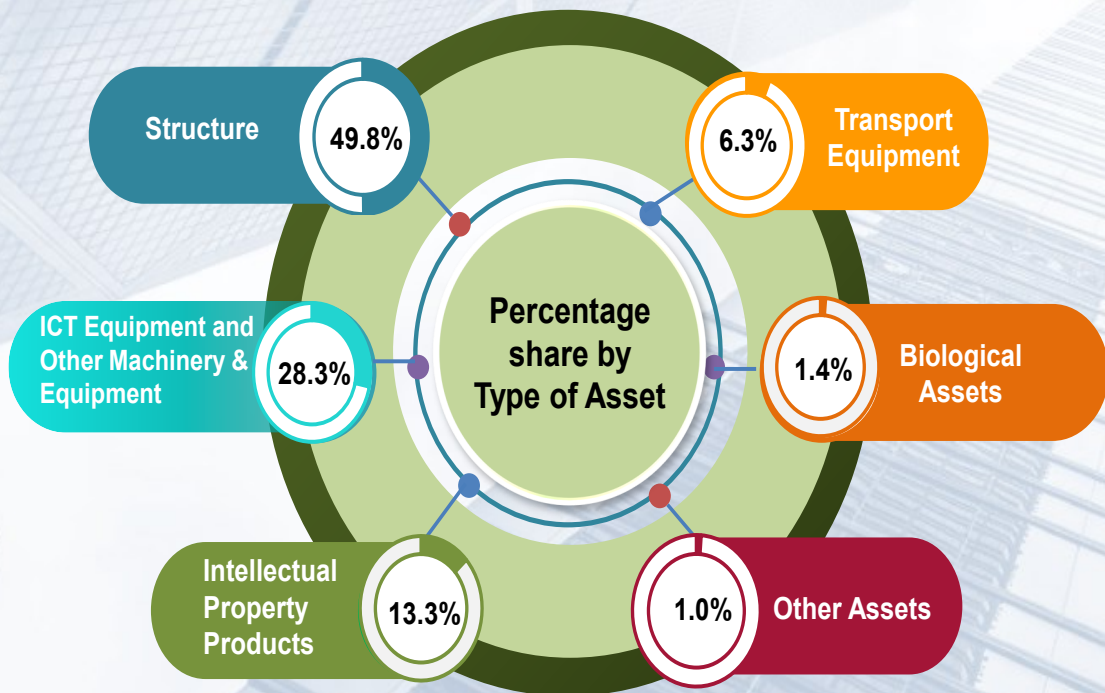
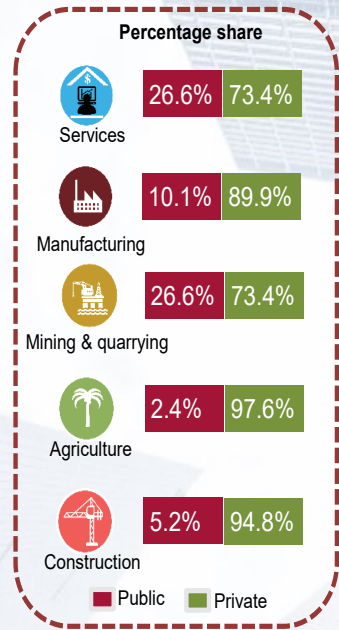
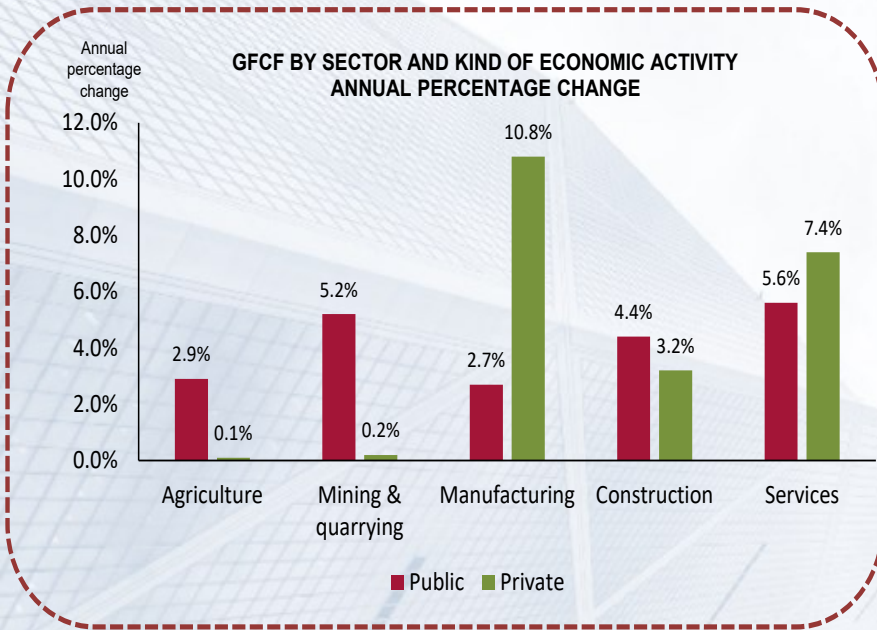
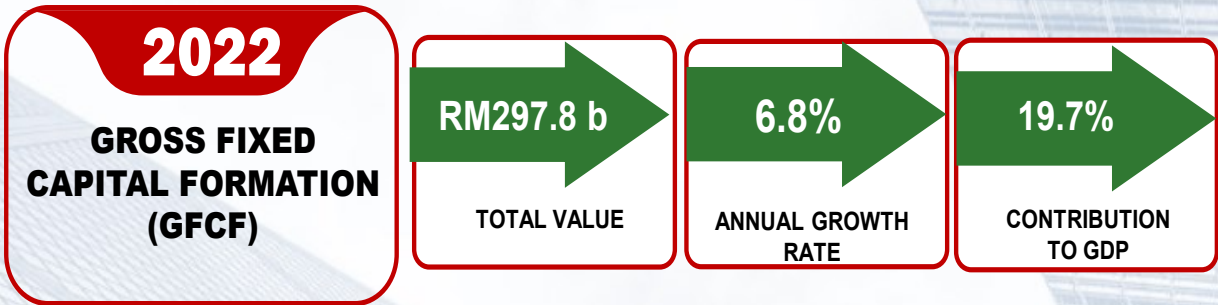


## 2022 PEMBENTUKAN MODAL TETAP KASAR (PMTK)



Sumber: Akaun Negara, Pembentukan Modal Tetap Kasar, Jabatan Perangkaan Malaysia (DOSM)

# MAIN FINDINGS

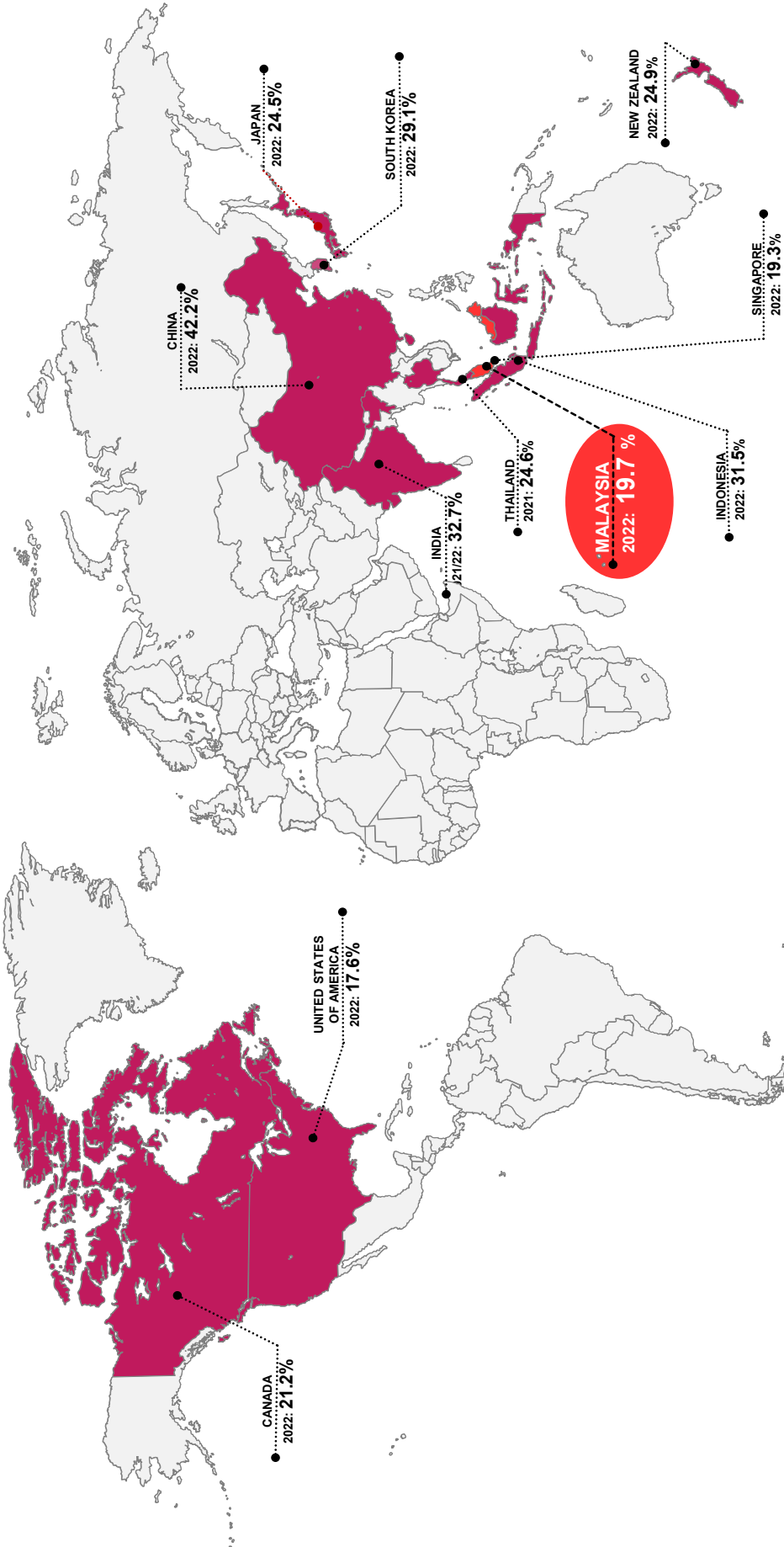


Source: National Accounts, Gross Fixed Capital Formation, Department of Statistics Malaysia (DOSM)



# PERBANDINGAN NEGARA - NEGARA TERPILIH / COMPARISON SELECTED COUNTRIES

## STATISTIK PEMBENTUKAN MODAL TETAP KASAR BAGI NEGARA TERPILIH STATISTICS ON GROSS FIXED CAPITAL FORMATION FOR SELECTED COUNTRIES



Sumber / Sources: Laman sesawang Pejabat Statistik Negara (NSO) terpilih.  
Selected National Statistical Office (NSO) website.

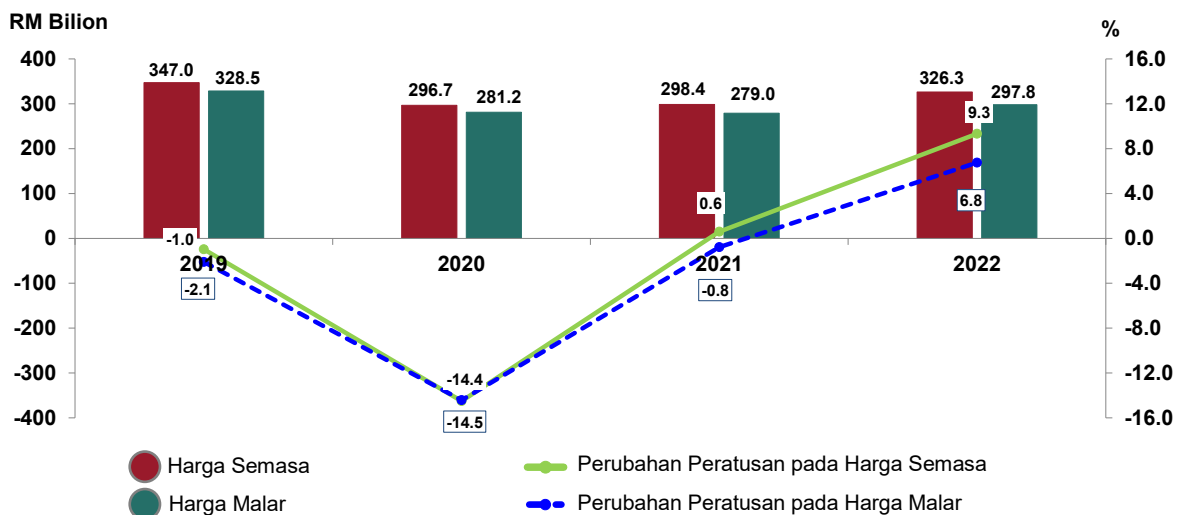
Nota / Note:  
Angka menunjukkan peratus sumbangan PMTK kepada KDNK pada harga malar. Peratus sumbangan ini dikira oleh Jabatan Perangkaan Malaysia (DOSM).  
The numbers show the percentage share of GFCF to GDP at constant prices. The percentage share was calculated by Department of Statistics Malaysia (DOSM).

## PEMBENTUKAN MODAL TETAP KASAR 2022

Pembentukan Modal Tetap Kasar (PMTK) Malaysia bagi tahun 2022 merekodkan RM326.3 bilion berbanding RM298.4 bilion pada tahun sebelumnya pada harga semasa. Manakala PMTK pada harga malar mencatatkan RM297.8 bilion dengan pertumbuhan 6.8 peratus berbanding penyusutan marginal 0.8 peratus pada tahun sebelumnya, seperti di **Carta 1**. Pertumbuhan ini didorong oleh prestasi yang memberangsangkan oleh sektor Perkhidmatan, Pembuatan dan Perlombongan & pengkuarian. PMTK kekal sebagai penyumbang kedua terbesar dalam Keluaran Dalam Negeri Kasar (KDNK) dengan sumbangan sebanyak 19.7 peratus (2021: 20.1%), seperti yang ditunjukkan dalam **Paparan 1**. Pelaburan aset tetap ini didominasi oleh sektor Swasta dengan sumbangan 77.8 peratus, sebaliknya berbanding sektor Awam 22.2 peratus. Dari segi jenis aset, PMTK diterajui oleh Struktur.

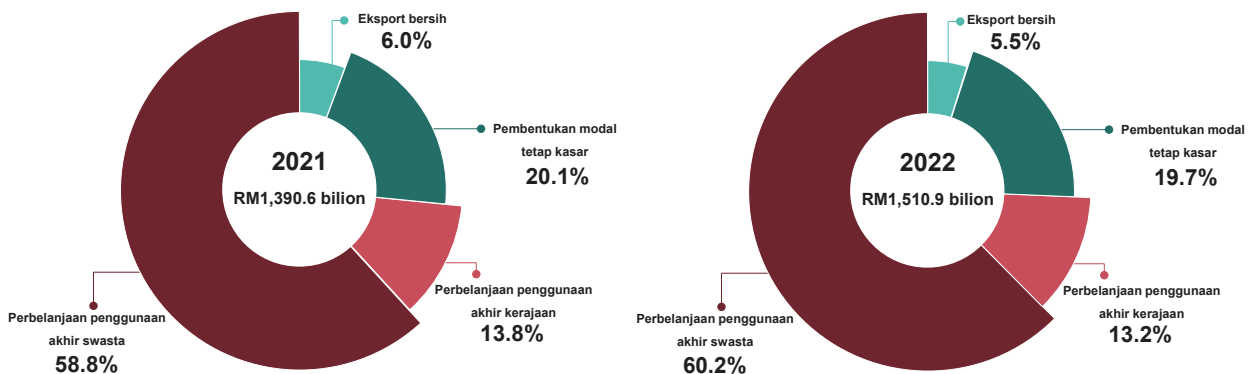
### CARTA 1

**PMTK - Nilai dan Perubahan Peratusan Tahunan pada Harga Semasa dan Harga Malar 2015**



### PAPARAN 1

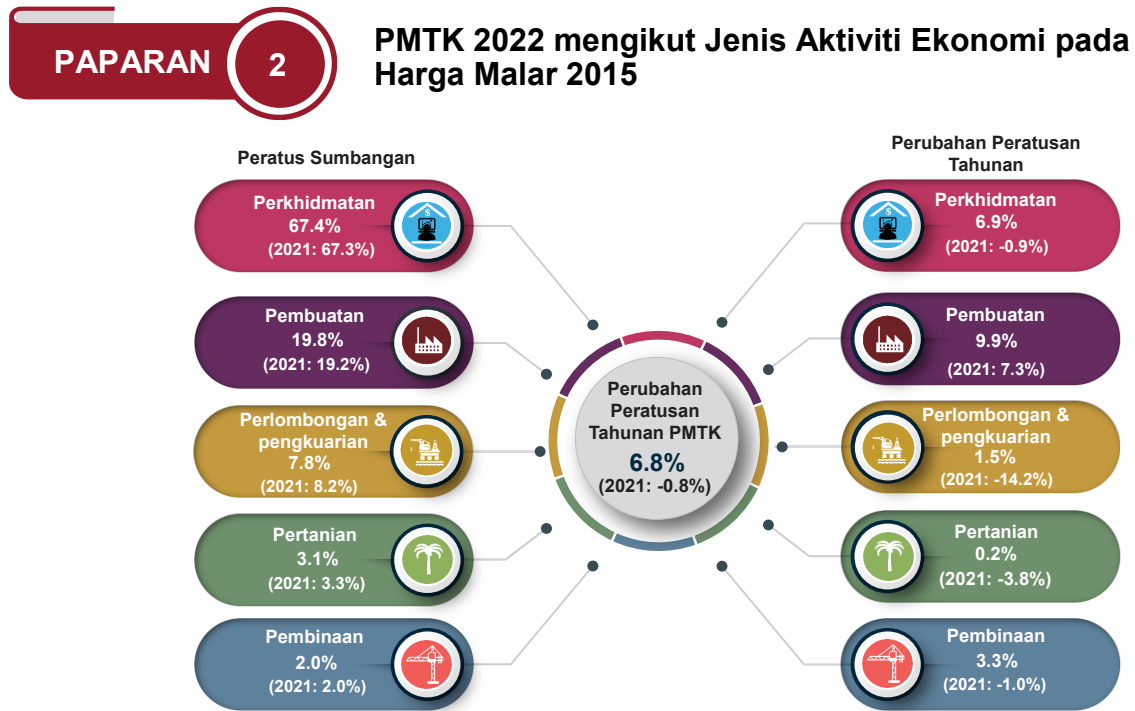
**Peratus Sumbangan KDNK mengikut Kaedah Perbelanjaan pada Harga Malar 2015**



Nota: Tidak termasuk Perubahan Inventori, Barangan Berharga & Perbezaan Statistik

## PMTK MENGIKUT JENIS AKTIVITI EKONOMI

PMTK merekodkan peningkatan 6.8 peratus berbanding negatif 0.8 peratus pada tahun sebelumnya (**Paparan 2**), yang dipengaruhi oleh pertumbuhan positif dalam kesemua sektor.



PMTK bagi sektor **Perkhidmatan** meningkat 6.9 peratus disumbangkan oleh peningkatan bagi aktiviti Perdagangan borong dan runcit, Pengangkutan & penyimpanan dan maklumat & komunikasi dan Makanan & minuman dan penginapan yang masing-masing melonjak 13.6 peratus, 10.0 peratus dan 9.9 peratus pada tahun 2022.

Pertumbuhan positif perolehan aset tetap dalam sektor **Pembuatan** pada 9.9 peratus (2021: 7.3%) didorong oleh prestasi yang menggalakkan bagi subsektor Pembuatan makanan, minuman dan tembakau yang mencatatkan 14.1 peratus (2021: 11.3%) dan Produk mineral bukan logam, logam asas dan produk logam yang direka, 13.9 peratus (2021: 9.8%). Sementara itu, Produk elektrik, elektronik & optikal dan peralatan pengangkutan turut meningkat kepada 9.4 peratus berbanding 5.9 peratus pada tahun sebelumnya.

Sektor **Pembinaan** merekodkan pertumbuhan 3.3 peratus pada 2022 selepas jatuh 1.0 peratus pada tahun sebelumnya. Selain itu, sektor **Perlombongan & pengkuarian** turut mencatatkan peningkatan sebanyak 1.5 peratus berbanding negatif 14.2 peratus yang direkodkan pada tahun sebelumnya.

Pada masa yang sama, sektor **Pertanian** turut meningkat marginal pada 0.2 peratus (2021: -3.8%) yang disumbangkan oleh prestasi yang lebih baik bagi subsektor Pertanian lain dan Ternakan & perikanan dengan pertumbuhan masing-masing 8.2 peratus dan 4.8 peratus.



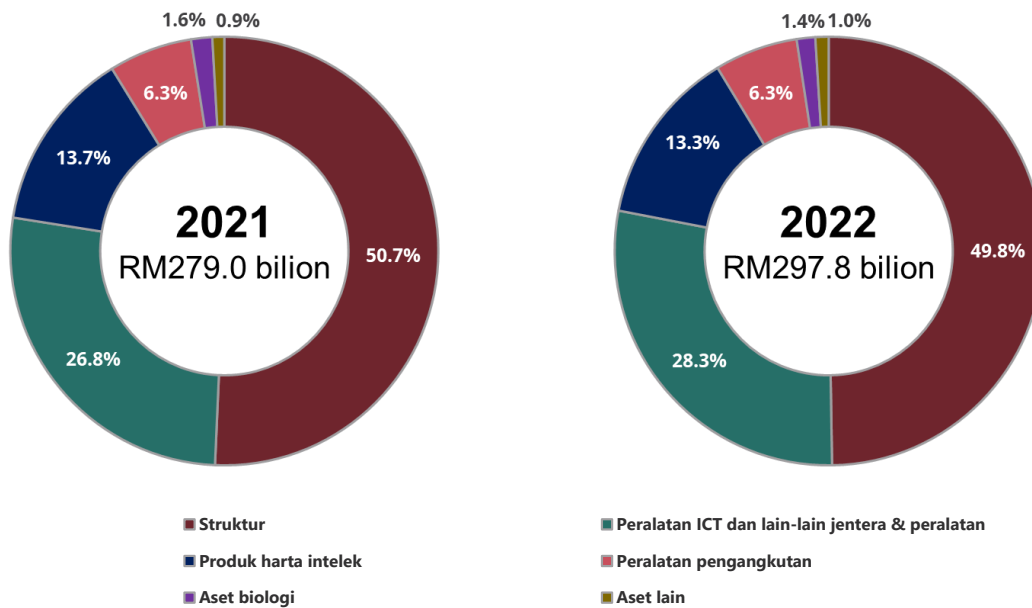
## PMTK MENGIKUT JENIS ASET

Perolehan aset tetap mengikut jenis aset diterajui oleh Struktur dengan sumbangan 49.8 peratus, menunjukkan peningkatan 4.7 peratus berbanding penyusutan 10.0 peratus pada harga malar pada tahun 2021. Sementara itu, Peralatan ICT dan lain-lain jentera & peralatan dan Produk harta intelek masing-masing meningkat 12.8 peratus (2021: 16.8%) dan 3.4 peratus (2021: 3.1%).

### PAPARAN

3

#### Peratus Sumbangan PMTK mengikut Jenis Aset pada Harga Malar 2015



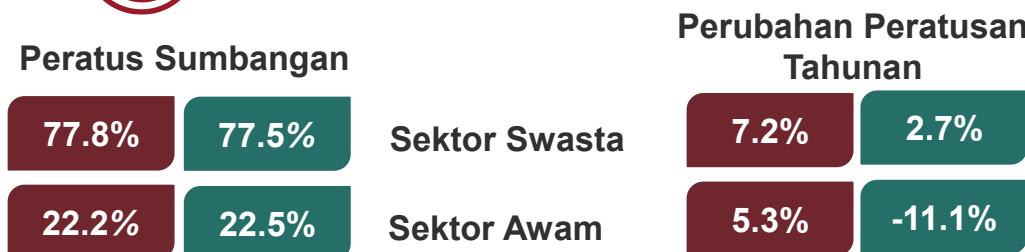
## PMTK MENGIKUT SEKTOR DAN JENIS AKTIVITI EKONOMI

Sektor Swasta kekal sebagai penyumbang terbesar kepada PMTK dengan sumbangan sebanyak 77.8 peratus seperti yang ditunjukkan di **Paparan 4**. Sektor ini, meningkat 7.2 peratus berbanding 2.7 peratus pada 2021. Selain itu, sektor Awam turut meningkat 5.3 peratus (sumbangan: 22.2%) berbanding penurunan 11.1 peratus pada tahun 2021.

### PAPARAN

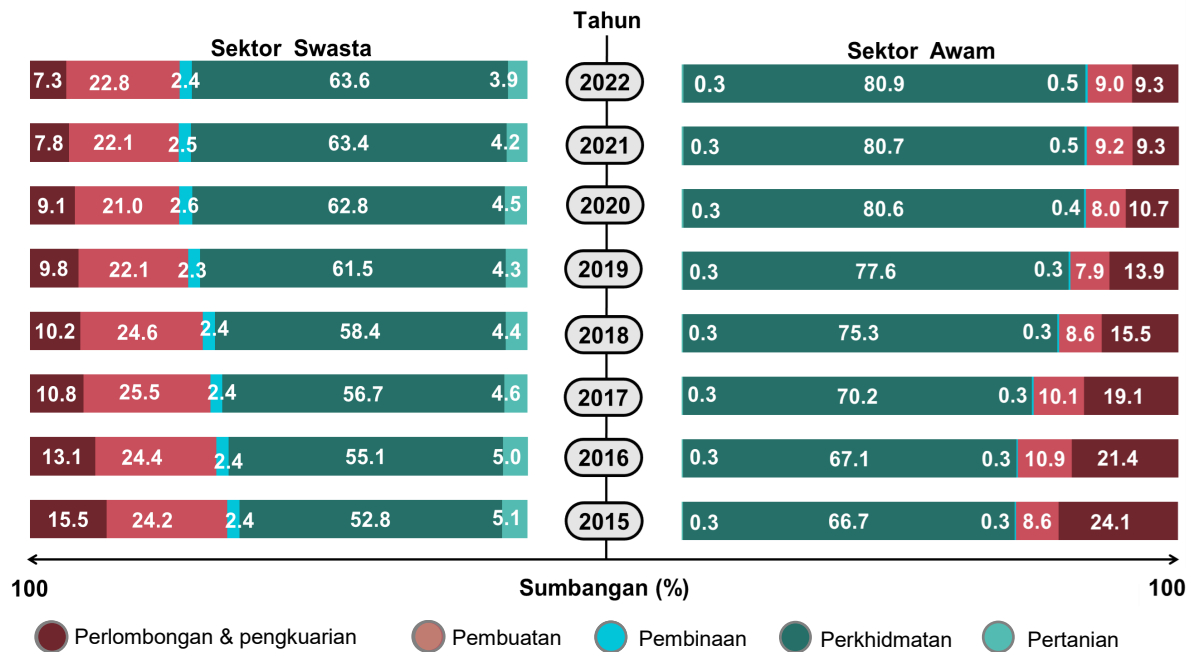
4

#### Peratus Tahunan dan Perubahan Peratusan Tahunan PMTK mengikut sektor pada Harga Malar 2015.



2022 2021

Peratus Sumbangan PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Malar 2015



Aktiviti Perkhidmatan merupakan penyumbang utama dalam PMTK sektor Swasta yang menyumbang 63.6 peratus. Ini diikuti oleh aktiviti Pembuatan yang menyumbang 22.8 peratus, seperti yang digambarkan dalam Carta 2. Sementara itu, aktiviti-aktiviti lain menyumbang sebanyak 13.6 peratus kepada keseluruhan PMTK sektor Swasta.

PMTK sektor Awam dipacu oleh aktiviti Perkhidmatan dengan sumbangan 80.9 peratus, diikuti oleh aktiviti Perlombongan & pengkuarian dan Pembuatan, masing-masing menyumbang 9.3 peratus dan 9.0 peratus.

# SUMMARY OF FINDINGS

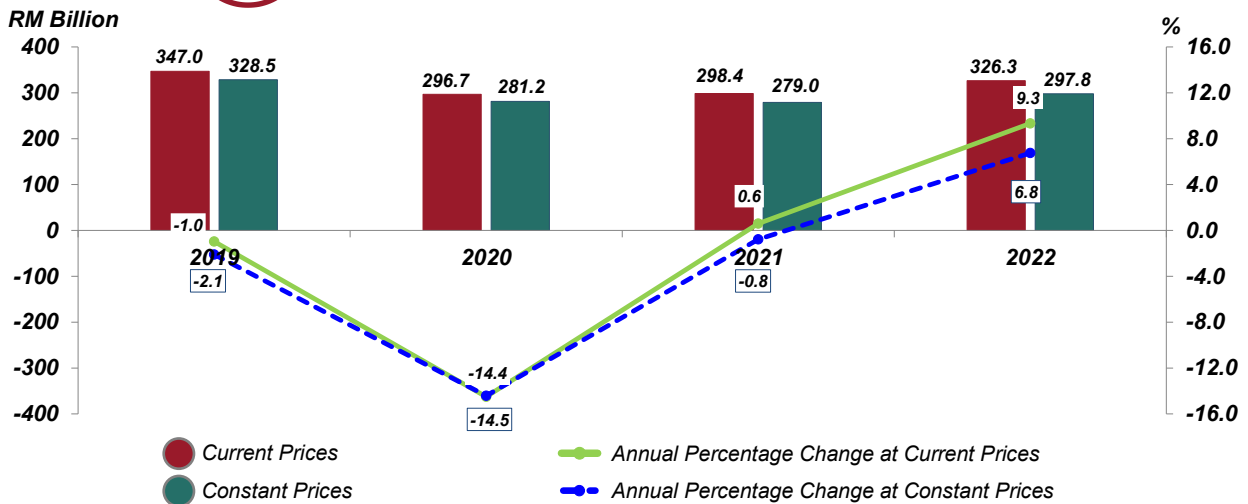
## GROSS FIXED CAPITAL FORMATION 2022

Malaysia's Gross Fixed Capital Formation (GFCF) for 2022 recorded RM326.3 billion as compared to RM298.4 billion in the previous year at current prices. Meanwhile, GFCF at constant prices recorded RM297.8 billion with a growth of 6.8 per cent as compared to a marginal decline of 0.8 per cent the year before, as per **Chart 1**. The growth was driven by strong performance in the Services, Manufacturing and Mining & quarrying sectors. GFCF remains the second largest contributor to Gross Domestic Product (GDP) with a contribution of 19.7 per cent (2021: 20.1%), as shown in **Exhibit 1**. Fixed asset investment was dominated by the Private sector with the share of 77.8 per cent, while Public sector contributed 22.2 per cent. In terms of type of assets, Structure dominated the GFCF.

**CHART**

**1**

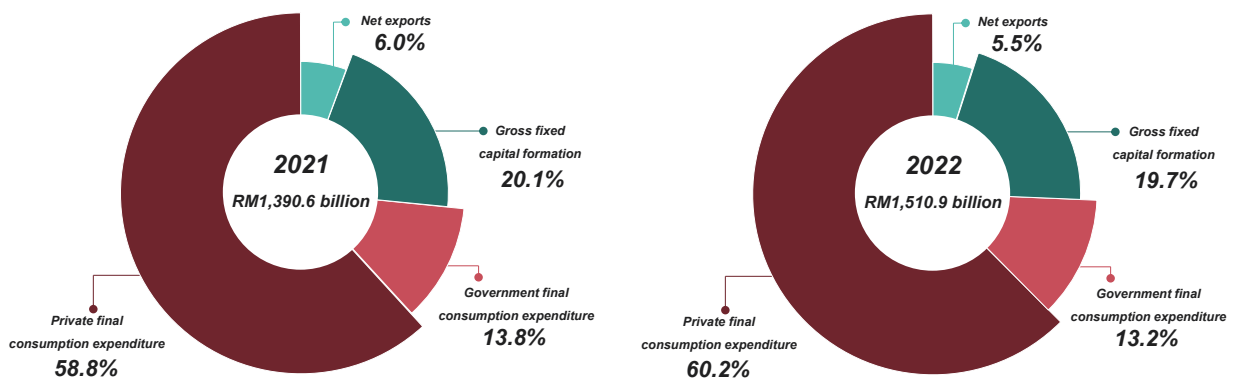
**GFCF - Value and Annual Percentage Change at Current Prices and Constant 2015 Prices**



**EXHIBIT**

**1**

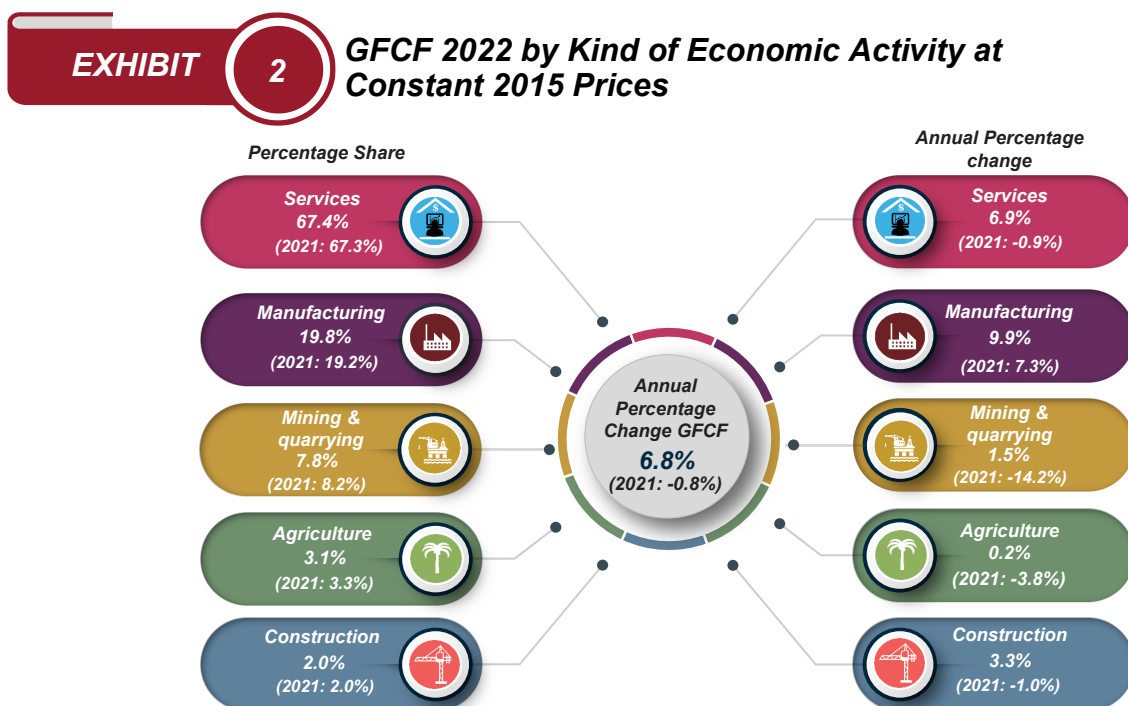
**Percentage Share of GDP by Expenditure Approach at Constant 2015 Prices**



Note: Exclude Changes in Inventories, Valuables & Statistical Discrepancy

## GFCF BY KIND OF ECONOMIC ACTIVITY

GFCF recorded an increase of 6.8 per cent as compared to a negative 0.8 per cent in the previous year (**Exhibit 2**), which was influenced by the positive growth in all sectors.



GFCF in the **Services** sector increased 6.9 per cent, supported by the increase in Wholesale and retail trade, Transportation & storage and information & communications and Food & beverages and accommodation activities, which leaped 13.6 per cent, 10.0 per cent and 9.9 per cent, respectively in 2022.

The positive growth in fixed asset investment in the **Manufacturing** sector at 9.9 per cent (2021: 7.3%) was driven by the favourable performance of Food, beverages and tobacco which recorded 14.1 per cent (2021: 11.3%) and Non-metallic mineral products, base metals and metal products designed, 13.9 per cent (2021: 9.8%). Meanwhile, Electrical, electronic & optical products and transport equipment also increased to 9.4 per cent as compared to 5.9 per cent in the previous year.

The **Construction** sector recorded a growth of 3.3 per cent in 2022 after falling by 1.0 per cent in the preceding year. Furthermore, the **Mining & quarrying** sector also recorded an increase of 1.5 per cent as compared to a negative 14.2 per cent recorded in the previous year.

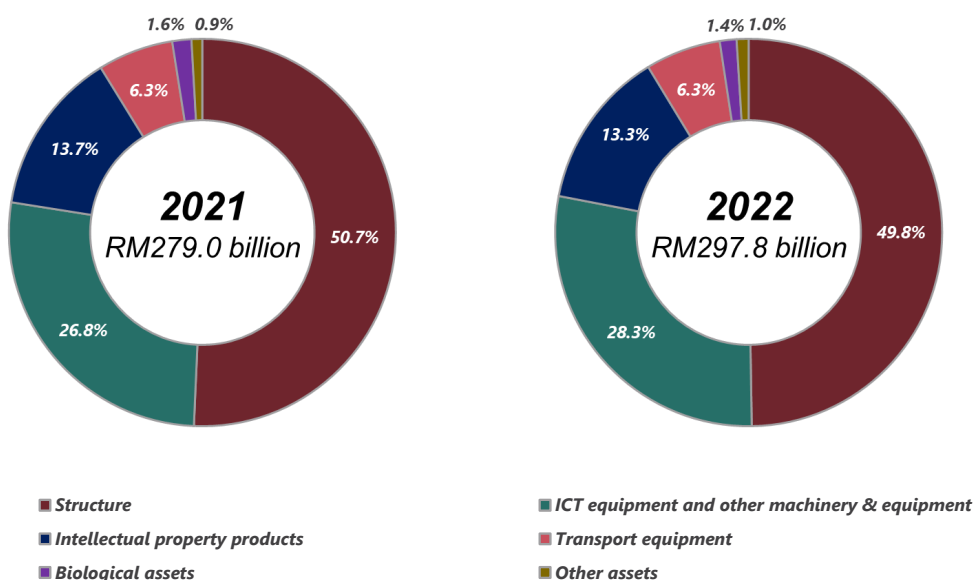
Concurrently, the **Agriculture** sector also increased marginally at 0.2 per cent (2021: -3.8%) driven by the better performance of Other agriculture and Livestock & fishing sub-sectors, with the growth of 8.2 per cent and 4.8 per cent, respectively.

## GFCF BY TYPE OF ASSETS

The acquisition of fixed assets by type of asset, led by Structure with a contribution of 49.8 per cent, showed a 4.7 per cent increased over the 10.0 per cent declined at constant prices in 2021. Meanwhile, ICT equipment and other machinery & equipment and Intellectual property products increased by 12.8 per cent (2021: 16.8%) and 3.4 per cent (2021: 3.1%) respectively.

### EXHIBIT 3

Percentage Share of GFCF by Type of Assets at Constant 2015 Prices



## GFCF BY SECTOR AND KIND OF ECONOMIC ACTIVITY

The Private sector remained as the largest contributor to GFCF with a share of 77.8 per cent as shown in Exhibit 4. This sector increased 7.2 per cent as against 2.7 per cent in 2021. Moreover, the Public sector (share: 22.2%) also increased 5.3 per cent as compared a decline of 11.1 per cent in 2021.

### EXHIBIT 4

Percentage share and Annual Percentage Change of GFCF by sector at a Constant 2015 prices

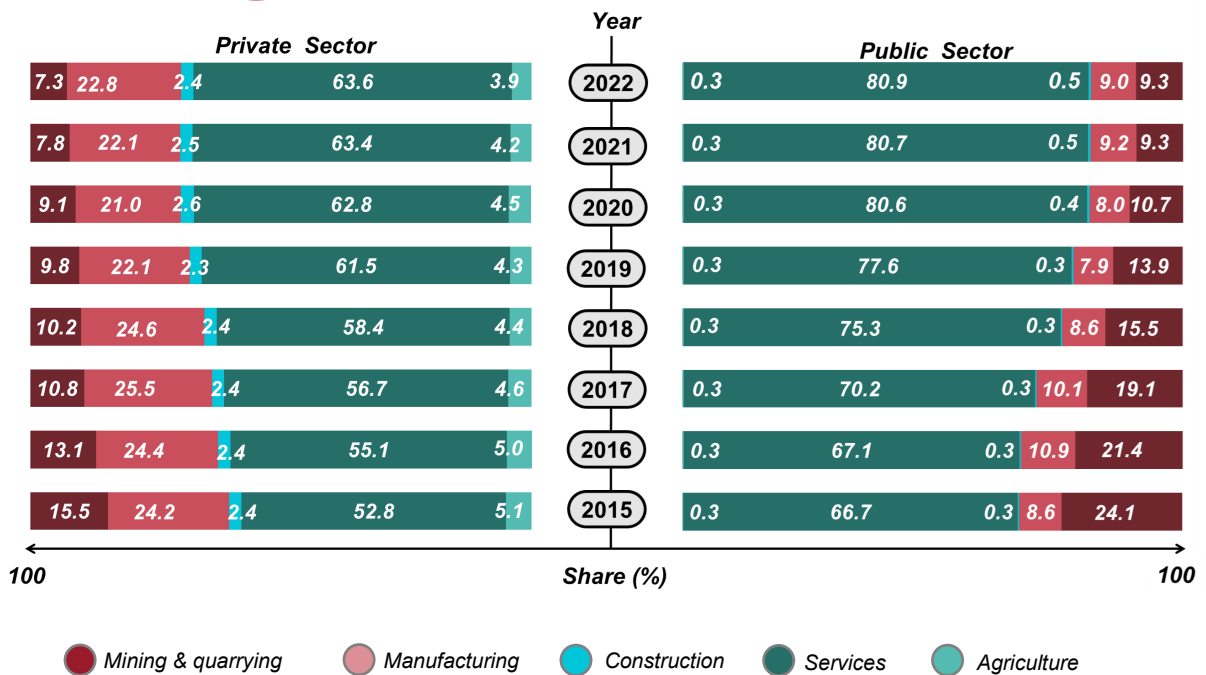


2022 2021

**CHART**

**2**

**Percentage Share of GFCF by Sector and Kind of Economic Activity at Constant 2015 Prices**



Services activity was the main contributors to the GFCF of the Private sector, which contributed of 63.6 per cent. This was followed by Manufacturing activity which contributed 22.8 per cent as depicted in **Chart 2**. Meanwhile, other activities 13.6 per cent to overall GFCF of the Private sector.

The GFCF of the Public sector was led by Services activity, with a contribution of 80.9 per cent, followed by Mining & quarrying and Manufacturing activities, which each contributed 9.3 per cent and 9.0 per cent respectively.

**JADUAL STATISTIK**  
***STATISTICAL TABLES***

**JADUAL 1A** PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa  
**TABLE 1A** GFCF by Kind of Economic Activity at Current Prices

RM Juta/ Million

Jenis aktiviti ekonomi	Tahun/ Year								Kind of economic activity
	2015	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>	
<b>Pertanian</b>	<b>10,324</b>	<b>10,825</b>	<b>11,176</b>	<b>11,139</b>	<b>11,363</b>	<b>10,391</b>	<b>10,089</b>	<b>10,135</b>	<b>Agriculture</b>
Getah dan kelapa sawit	6,789	6,962	7,085	6,765	6,741	5,903	5,353	5,109	Rubber and oil palm
Teranakan dan perikanan	2,335	2,620	2,910	3,208	3,514	3,413	3,577	3,785	Livestock and fishing
Pertanian lain	1,199	1,244	1,181	1,166	1,108	1,075	1,158	1,241	Other agriculture
<b>Perlombongan dan pengkuarian</b>	<b>56,258</b>	<b>49,967</b>	<b>45,075</b>	<b>40,235</b>	<b>36,819</b>	<b>27,937</b>	<b>24,779</b>	<b>25,183</b>	<b>Mining and quarrying</b>
<b>Pembuatan</b>	<b>57,054</b>	<b>63,156</b>	<b>70,470</b>	<b>68,958</b>	<b>62,661</b>	<b>51,978</b>	<b>56,073</b>	<b>61,868</b>	<b>Manufacturing</b>
Makanan, minuman dan tembakau	6,889	6,386	6,508	6,414	6,660	6,933	7,755	8,923	Food, beverages and tobacco
Produk tekstil dan kayu	2,862	2,834	2,770	2,839	2,649	2,479	2,541	2,681	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	21,158	27,029	28,995	28,299	23,943	17,896	19,391	21,049	Petroleum, chemical, rubber and plastic products
Produk mineral bukan logam, logam asas dan produk logam yang direka	5,436	5,465	6,418	6,069	5,642	5,022	5,534	6,348	Non-metallic mineral products, basic metal and fabricated metal
Produk elektrik, elektronik & optikal dan peralatan pengangkutan	20,709	21,443	25,779	25,337	23,768	19,649	20,852	22,867	Electrical, electronic & optical products and transport eSuiipment
<b>Pembinaan</b>	<b>5,065</b>	<b>5,418</b>	<b>5,884</b>	<b>6,193</b>	<b>6,229</b>	<b>6,147</b>	<b>6,119</b>	<b>6,337</b>	<b>Construction</b>
<b>Perkhidmatan</b>	<b>175,722</b>	<b>189,529</b>	<b>211,336</b>	<b>223,840</b>	<b>229,901</b>	<b>200,211</b>	<b>201,378</b>	<b>222,745</b>	<b>Services</b>
Perdagangan borong dan runcit	14,629	15,550	16,807	17,230	17,170	16,547	18,909	22,158	Wholesale and retail trade
Makanan & minuman dan penginapan	3,576	3,980	4,473	4,852	5,233	5,214	5,653	6,274	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	41,597	43,773	50,951	54,134	54,888	40,466	42,574	48,684	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	60,105	70,167	76,536	80,933	84,296	75,735	72,156	78,855	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	55,815	56,059	62,569	66,691	68,314	62,250	62,087	66,774	Other services (including government services)
<b>Jumlah</b>	<b>304,423</b>	<b>318,895</b>	<b>343,942</b>	<b>350,365</b>	<b>346,973</b>	<b>296,663</b>	<b>298,437</b>	<b>326,269</b>	<b>Total</b>

**JADUAL 1B** PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Malar 2015  
**TABLE 1B** GFCF by Kind of Economic Activity at Constant 2015 Prices

RM Juta/ Million

Jenis aktiviti ekonomi	Tahun/ Year								Kind of economic activity
	2015	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>	
<b>Pertanian</b>	<b>10,324</b>	<b>10,619</b>	<b>10,719</b>	<b>10,534</b>	<b>10,561</b>	<b>9,623</b>	<b>9,254</b>	<b>9,273</b>	<b>Agriculture</b>
Getah dan kelapa sawit	6,789	6,867	6,857	6,514	6,449	5,584	5,062	4,842	Rubber and oil palm
Teranakan dan perikanan	2,335	2,532	2,731	2,914	3,069	3,029	3,106	3,256	Livestock and fishing
Pertanian lain	1,199	1,219	1,132	1,107	1,042	1,010	1,086	1,176	Other agriculture
<b>Perlombongan dan pengkuarian</b>	<b>56,258</b>	<b>49,705</b>	<b>44,387</b>	<b>39,485</b>	<b>35,815</b>	<b>26,619</b>	<b>22,828</b>	<b>23,171</b>	<b>Mining and quarrying</b>
<b>Pembuatan</b>	<b>57,054</b>	<b>61,977</b>	<b>68,321</b>	<b>66,579</b>	<b>59,895</b>	<b>49,868</b>	<b>53,528</b>	<b>58,822</b>	<b>Manufacturing</b>
Makanan, minuman dan tembakau	6,889	6,304	6,331	6,370	6,558	6,778	7,545	8,608	Food, beverages and tobacco
Produk tekstil dan kayu	2,862	2,798	2,697	2,730	2,525	2,355	2,410	2,533	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	21,158	26,332	28,075	27,239	22,656	17,098	18,358	19,854	Petroleum, chemical, rubber and plastic products
Produk mineral bukan logam, logam asas dan produk logam yang direka	5,436	5,387	6,113	5,764	5,349	4,801	5,273	6,004	Non-metallic mineral products, basic metal and fabricated metal
Produk elektrik, elektronik & optikal dan peralatan pengangkutan	20,709	21,156	25,106	24,476	22,808	18,836	19,942	21,823	Electrical, electronic & optical products and transport eSuiipment
<b>Pembinaan</b>	<b>5,065</b>	<b>5,350</b>	<b>5,743</b>	<b>5,992</b>	<b>5,912</b>	<b>5,757</b>	<b>5,700</b>	<b>5,889</b>	<b>Construction</b>
<b>Perkhidmatan</b>	<b>175,722</b>	<b>184,539</b>	<b>201,922</b>	<b>213,002</b>	<b>216,354</b>	<b>189,308</b>	<b>187,672</b>	<b>200,661</b>	<b>Services</b>
Perdagangan borong dan runcit	14,629	15,230	16,124	16,251	15,893	15,339	17,091	19,415	Wholesale and retail trade
Makanan & minuman dan penginapan	3,576	3,905	4,306	4,530	4,890	4,862	5,238	5,759	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	41,597	42,627	48,578	52,580	52,452	38,896	40,676	44,756	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	60,105	67,864	72,846	76,541	79,609	72,388	68,978	73,838	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	55,815	54,913	60,068	63,101	63,509	57,822	55,690	56,893	Other services (including government services)
<b>Jumlah</b>	<b>304,423</b>	<b>312,190</b>	<b>331,093</b>	<b>335,592</b>	<b>328,536</b>	<b>281,175</b>	<b>278,982</b>	<b>297,816</b>	<b>Total</b>



JADUAL 1C PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa - Perubahan Peratusan Tahunan  
TABLE 1C GFCF by Kind of Economic Activity at Current Prices - Annual Percentage Change

(%)

Jenis aktiviti ekonomi	Tahun/ Year							Kind of economic activity
	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>	
<b>Pertanian</b>	<b>4.9</b>	<b>3.2</b>	<b>-0.3</b>	<b>2.0</b>	<b>-8.6</b>	<b>-2.9</b>	<b>0.5</b>	<b>Agriculture</b>
Getah dan kelapa sawit	2.5	1.8	-4.5	-0.4	-12.4	-9.3	-4.6	Rubber and oil palm
Ternakan dan perikanan	12.2	11.1	10.2	9.6	-2.9	4.8	5.8	Livestock and fishing
Pertanian lain	3.7	-5.0	-1.3	-5.0	-3.0	7.8	7.1	Other agriculture
<b>Perombongan dan pengkuarian</b>	<b>-11.2</b>	<b>-9.8</b>	<b>-10.7</b>	<b>-8.5</b>	<b>-24.1</b>	<b>-11.3</b>	<b>1.6</b>	<b>Mining and quarrying</b>
<b>Pembuatan</b>	<b>10.7</b>	<b>11.6</b>	<b>-2.1</b>	<b>-9.1</b>	<b>-17.0</b>	<b>7.9</b>	<b>10.3</b>	<b>Manufacturing</b>
Makanan, minuman dan tembakau	-7.3	1.9	-1.4	3.8	4.1	11.9	15.1	Food, beverages and tobacco
Produk tekstil dan kayu	-1.0	-2.2	2.5	-6.7	-6.4	2.5	5.5	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	27.7	7.3	-2.4	-15.4	-25.3	8.4	8.6	Petroleum, chemical, rubber and plastic products
Produk mineral bukan logam, logam asas dan produk logam yang direka	0.5	17.4	-5.4	-7.0	-11.0	10.2	14.7	Non-metallic mineral products, basic metal and fabricated metal
Produk elektrik, elektronik & optikal dan peralatan pengangkutan	3.5	20.2	-1.7	-6.2	-17.3	6.1	9.7	Electrical, electronic & optical products and transport equipment
<b>Pembinaan</b>	<b>7.0</b>	<b>8.6</b>	<b>5.2</b>	<b>0.6</b>	<b>-1.3</b>	<b>-0.5</b>	<b>3.6</b>	<b>Construction</b>
<b>Perkhidmatan</b>	<b>7.9</b>	<b>11.5</b>	<b>5.9</b>	<b>2.7</b>	<b>-12.9</b>	<b>0.6</b>	<b>10.6</b>	<b>Services</b>
Perdagangan borong dan runcit	6.3	8.1	2.5	-0.3	-3.6	14.3	17.2	Wholesale and retail trade
Makanan & minuman dan penginapan	11.3	12.4	8.5	7.9	-0.4	8.4	11.0	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	5.2	16.4	6.2	1.4	-26.3	5.2	14.4	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	16.7	9.1	5.7	4.2	-10.2	-4.7	9.3	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	0.4	11.6	6.6	2.4	-8.9	-0.3	7.5	Other services (including government services)
<b>Jumlah</b>	<b>4.8</b>	<b>7.9</b>	<b>1.9</b>	<b>-1.0</b>	<b>-14.5</b>	<b>0.6</b>	<b>9.3</b>	<b>Total</b>

JADUAL 1D PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Malar 2015 - Perubahan Peratusan Tahunan  
TABLE 1D GFCF by Kind of Economic Activity at Constant 2015 Prices - Annual Percentage Change

(%)

Jenis aktiviti ekonomi	Tahun/ Year							Kind of economic activity
	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>	
<b>Pertanian</b>	<b>2.9</b>	<b>0.9</b>	<b>-1.7</b>	<b>0.2</b>	<b>-8.9</b>	<b>-3.8</b>	<b>0.2</b>	<b>Agriculture</b>
Getah dan kelapa sawit	1.1	-0.2	-5.0	-1.0	-13.4	-9.4	-4.4	Rubber and oil palm
Ternakan dan perikanan	8.4	7.8	6.7	5.3	-1.3	2.5	4.8	Livestock and fishing
Pertanian lain	1.6	-7.2	-2.2	-5.8	-3.1	7.6	8.2	Other agriculture
<b>Perombongan dan pengkuarian</b>	<b>-11.6</b>	<b>-10.7</b>	<b>-11.0</b>	<b>-9.3</b>	<b>-25.7</b>	<b>-14.2</b>	<b>1.5</b>	<b>Mining and quarrying</b>
<b>Pembuatan</b>	<b>8.6</b>	<b>10.2</b>	<b>-2.6</b>	<b>-10.0</b>	<b>-16.7</b>	<b>7.3</b>	<b>9.9</b>	<b>Manufacturing</b>
Makanan, minuman dan tembakau	-8.5	0.4	0.6	2.9	3.4	11.3	14.1	Food, beverages and tobacco
Produk tekstil dan kayu	-2.2	-3.6	1.2	-7.5	-6.7	2.3	5.1	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	24.5	6.6	-3.0	-16.8	-24.5	7.4	8.2	Petroleum, chemical, rubber and plastic products
Produk mineral bukan logam, logam asas dan produk logam yang direka	-0.9	13.5	-5.7	-7.2	-10.2	9.8	13.9	Non-metallic mineral products, basic metal and fabricated metal
Produk elektrik, elektronik & optikal dan peralatan pengangkutan	2.2	18.7	-2.5	-6.8	-17.4	5.9	9.4	Electrical, electronic & optical products and transport equipment
<b>Pembinaan</b>	<b>5.6</b>	<b>7.3</b>	<b>4.3</b>	<b>-1.3</b>	<b>-2.6</b>	<b>-1.0</b>	<b>3.3</b>	<b>Construction</b>
<b>Perkhidmatan</b>	<b>5.0</b>	<b>9.4</b>	<b>5.5</b>	<b>1.6</b>	<b>-12.5</b>	<b>-0.9</b>	<b>6.9</b>	<b>Services</b>
Perdagangan borong dan runcit	4.1	5.9	0.8	-2.2	-3.5	11.4	13.6	Wholesale and retail trade
Makanan & minuman dan penginapan	9.2	10.3	5.2	8.0	-0.6	7.7	9.9	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	2.5	14.0	8.2	-0.2	-25.8	4.6	10.0	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	12.9	7.3	5.1	4.0	-9.1	-4.7	7.0	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	-1.6	9.4	5.0	0.6	-9.0	-3.7	2.2	Other services (including government services)
<b>Jumlah</b>	<b>2.6</b>	<b>6.1</b>	<b>1.4</b>	<b>-2.1</b>	<b>-14.4</b>	<b>-0.8</b>	<b>6.8</b>	<b>Total</b>

**JADUAL 1E** PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa - Peratus Sumbangan kepada Jumlah PMTK  
**TABLE 1E** GFCF by Kind of Economic Activity at Current Prices - Percentage Share to Total GFCF

(%)

Jenis aktiviti ekonomi	Tahun/ Year								Kind of economic activity
	2015	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>	
<b>Pertanian</b>	<b>3.4</b>	<b>3.4</b>	<b>3.2</b>	<b>3.2</b>	<b>3.3</b>	<b>3.5</b>	<b>3.4</b>	<b>3.1</b>	<b>Agriculture</b>
Getah dan kelapa sawit	2.2	2.2	2.1	1.9	1.9	2.0	1.8	1.6	Rubber and oil palm
Ternakan dan perikanan	0.8	0.8	0.8	0.9	1.0	1.2	1.2	1.2	Livestock and fishing
Pertanian lain	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	Other agriculture
<b>Perombongan dan pengkuarian</b>	<b>18.5</b>	<b>15.7</b>	<b>13.1</b>	<b>11.5</b>	<b>10.6</b>	<b>9.4</b>	<b>8.3</b>	<b>7.7</b>	<b>Mining and quarrying</b>
<b>Pembuatan</b>	<b>18.7</b>	<b>19.8</b>	<b>20.5</b>	<b>19.7</b>	<b>18.1</b>	<b>17.5</b>	<b>18.8</b>	<b>19.0</b>	<b>Manufacturing</b>
Makanan, minuman dan tembakau	2.3	2.0	1.9	1.8	1.9	2.3	2.6	2.7	Food, beverages and tobacco
Produk tekstil dan kayu	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.8	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	7.0	8.5	8.4	8.1	6.9	6.0	6.5	6.5	Petroleum, chemical, rubber and plastic products
Produk mineral bukan logam, logam asas dan produk logam yang direka	1.8	1.7	1.9	1.7	1.6	1.7	1.9	1.9	Non-metallic mineral products, basic metal and fabricated metal
Produk elektrik, elektronik & optikal dan peralatan pengangkutan	6.8	6.7	7.5	7.2	6.8	6.6	7.0	7.0	Electrical, electronic & optical products and transport equipment
<b>Pembinaan</b>	<b>1.7</b>	<b>1.7</b>	<b>1.7</b>	<b>1.8</b>	<b>1.8</b>	<b>2.1</b>	<b>2.1</b>	<b>1.9</b>	<b>Construction</b>
<b>Perkhidmatan</b>	<b>57.7</b>	<b>59.4</b>	<b>61.4</b>	<b>63.9</b>	<b>66.3</b>	<b>67.5</b>	<b>67.5</b>	<b>68.3</b>	<b>Services</b>
Perdagangan borong dan runcit	4.8	4.9	4.9	4.9	4.9	5.6	6.3	6.8	Wholesale and retail trade
Makanan & minuman dan penginapan	1.2	1.2	1.3	1.4	1.5	1.8	1.9	1.9	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	13.7	13.7	14.8	15.5	15.8	13.6	14.3	14.9	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	19.7	22.0	22.3	23.1	24.3	25.5	24.2	24.2	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	18.3	17.6	18.2	19.0	19.7	21.0	20.8	20.5	Other services (including government services)
<b>Jumlah</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>Total</b>

**JADUAL 1F** PMTK mengikut Jenis Aktiviti Ekonomi pada Harga Malar 2015 - Peratus Sumbangan kepada Jumlah PMTK  
**TABLE 1F** GFCF by Kind of Economic Activity at Constant 2015 Prices - Percentage Share to Total GFCF

(%)

Jenis aktiviti ekonomi	Tahun/ Year								Kind of economic activity
	2015	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>	
<b>Pertanian</b>	<b>3.4</b>	<b>3.4</b>	<b>3.2</b>	<b>3.1</b>	<b>3.2</b>	<b>3.4</b>	<b>3.3</b>	<b>3.1</b>	<b>Agriculture</b>
Getah dan kelapa sawit	2.2	2.2	2.1	1.9	2.0	2.0	1.8	1.6	Rubber and oil palm
Ternakan dan perikanan	0.8	0.8	0.8	0.9	0.9	1.1	1.1	1.1	Livestock and fishing
Pertanian lain	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4	Other agriculture
<b>Perombongan dan pengkuarian</b>	<b>18.5</b>	<b>15.9</b>	<b>13.4</b>	<b>11.8</b>	<b>10.9</b>	<b>9.5</b>	<b>8.2</b>	<b>7.8</b>	<b>Mining and quarrying</b>
<b>Pembuatan</b>	<b>18.7</b>	<b>19.9</b>	<b>20.6</b>	<b>19.8</b>	<b>18.2</b>	<b>17.7</b>	<b>19.2</b>	<b>19.8</b>	<b>Manufacturing</b>
Makanan, minuman dan tembakau	2.3	2.0	1.9	1.9	2.0	2.4	2.7	2.9	Food, beverages and tobacco
Produk tekstil dan kayu	0.9	0.9	0.8	0.8	0.8	0.8	0.9	0.9	Textiles and wood products
Produk petroleum, kimia, getah dan plastik	7.0	8.4	8.5	8.1	6.9	6.1	6.6	6.7	Petroleum, chemical, rubber and plastic products
Produk mineral bukan logam, logam asas dan produk logam yang direka	1.8	1.7	1.8	1.7	1.6	1.7	1.9	2.0	Non-metallic mineral products, basic metal and fabricated metal
Produk elektrik, elektronik & optikal dan peralatan pengangkutan	6.8	6.8	7.6	7.3	6.9	6.7	7.1	7.3	Electrical, electronic & optical products and transport equipment
<b>Pembinaan</b>	<b>1.7</b>	<b>1.7</b>	<b>1.7</b>	<b>1.8</b>	<b>1.8</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	<b>Construction</b>
<b>Perkhidmatan</b>	<b>57.7</b>	<b>59.1</b>	<b>61.0</b>	<b>63.5</b>	<b>65.9</b>	<b>67.3</b>	<b>67.3</b>	<b>67.4</b>	<b>Services</b>
Perdagangan borong dan runcit	4.8	4.9	4.9	4.8	4.8	5.5	6.1	6.5	Wholesale and retail trade
Makanan & minuman dan penginapan	1.2	1.3	1.3	1.3	1.5	1.7	1.9	1.9	Food & beverage and accommodation
Pengangkutan & penyimpanan dan maklumat & komunikasi	13.7	13.7	14.7	15.7	16.0	13.8	14.6	15.0	Transportation & storage and information & communication
Kewangan, insurans, hartanah dan perkhidmatan perniagaan	19.7	21.7	22.0	22.8	24.2	25.7	24.7	24.8	Finance, insurance, real estate and business services
Perkhidmatan lain (termasuk perkhidmatan kerajaan)	18.3	17.6	18.1	18.8	19.3	20.6	20.0	19.1	Other services (including government services)
<b>Jumlah</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>Total</b>

JADUAL 2A PMTK mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa  
TABLE 2A GFCF by Kind of Economic Activity and Type of Assets at Current Prices

RM Juta/ Million

Jenis aktiviti ekonomi dan jenis aset		Tahun/ Year								Kind of economic activity and type of assets	
		2015	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>		
Pertanian	Struktur	2,549	2,699	2,918	3,014	2,842	2,223	1,468	1,523	Structure	Agriculture
	Jentera dan peralatan	2,688	2,907	2,993	3,100	3,311	3,242	3,491	3,465	Machinery and equipment	
	Aset lain	5,087	5,219	5,265	5,025	5,210	4,926	5,130	5,147	Other assets	
Perlombongan dan pengkuarian	Struktur	33,839	30,142	26,226	21,931	23,936	18,589	15,365	16,257	Structure	Mining and quarrying
	Jentera dan peralatan	14,890	12,778	12,365	12,195	6,874	3,491	3,696	2,863	Machinery and equipment	
	Aset lain	7,529	7,048	6,484	6,109	6,009	5,857	5,717	6,063	Other assets	
Pembuatan	Struktur	17,442	20,765	21,141	22,198	19,298	14,584	13,107	14,191	Structure	Manufacturing
	Jentera dan peralatan	33,562	36,648	42,482	40,082	36,144	30,948	37,208	42,425	Machinery and equipment	
	Aset lain	6,051	5,744	6,847	6,679	7,219	6,446	5,758	5,252	Other assets	
Pembinaan	Struktur	1,138	1,106	1,114	1,492	1,857	1,824	1,725	1,868	Structure	Construction
	Jentera dan peralatan	3,840	4,223	4,676	4,607	4,281	4,234	4,308	4,381	Machinery and equipment	
	Aset lain	87	89	94	94	91	89	86	87	Other assets	
Perkhidmatan	Struktur	119,272	132,810	147,826	156,725	158,535	132,481	124,075	133,750	Structure	Services
	Jentera dan peralatan	47,419	47,754	54,806	57,365	61,455	59,421	67,617	78,267	Machinery and equipment	
	Aset lain	9,031	8,964	8,704	9,750	9,911	8,309	9,686	10,729	Other assets	
Jumlah	Struktur	174,240	187,521	199,226	205,359	206,468	169,700	155,741	167,589	Structure	Total
	Jentera dan peralatan	102,399	104,310	117,322	117,348	112,065	101,335	116,319	131,401	Machinery and equipment	
	Aset lain	27,784	27,064	27,394	27,657	28,440	25,628	26,377	27,279	Other assets	
Jumlah		304,423	318,895	343,942	350,365	346,973	296,663	298,437	326,269	Total	

JADUAL 2B PMTK mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa - Peratus Sumbangan mengikut Jenis Aset  
TABLE 2B GFCF by Kind of Economic Activity and Type of Assets at Current Prices - Percentage Share by Type of Assets

(%)

Jenis aktiviti ekonomi dan jenis aset		Tahun/ Year								Kind of economic activity and type of assets	
		2015	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>		
Pertanian	Struktur	24.7	24.9	26.1	27.1	25.0	21.4	14.5	15.0	Structure	Agriculture
	Jentera dan peralatan	26.0	26.9	26.8	27.8	29.1	31.2	34.6	34.2	Machinery and equipment	
	Aset lain	49.3	48.2	47.1	45.1	45.9	47.4	50.8	50.8	Other assets	
Perlombongan dan pengkuarian	Struktur	60.1	60.3	58.2	54.5	65.0	66.5	62.0	64.6	Structure	Mining and quarrying
	Jentera dan peralatan	26.5	25.6	27.4	30.3	18.7	12.5	14.9	11.4	Machinery and equipment	
	Aset lain	13.4	14.1	14.4	15.2	16.3	21.0	23.1	24.1	Other assets	
Pembuatan	Struktur	30.6	32.9	30.0	32.2	30.8	28.1	23.4	22.9	Structure	Manufacturing
	Jentera dan peralatan	58.8	58.0	60.3	58.1	57.7	59.5	66.4	68.6	Machinery and equipment	
	Aset lain	10.6	9.1	9.7	9.7	11.5	12.4	10.3	8.5	Other assets	
Pembinaan	Struktur	22.5	20.4	18.9	24.1	29.8	29.7	28.2	29.5	Structure	Construction
	Jentera dan peralatan	75.8	77.9	79.5	74.4	68.7	68.9	70.4	69.1	Machinery and equipment	
	Aset lain	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.4	Other assets	
Perkhidmatan	Struktur	67.9	70.1	69.9	70.0	69.0	66.2	61.6	60.0	Structure	Services
	Jentera dan peralatan	27.0	25.2	25.9	25.6	26.7	29.7	33.6	35.1	Machinery and equipment	
	Aset lain	5.1	4.7	4.1	4.4	4.3	4.2	4.8	4.8	Other assets	
Jumlah	Struktur	57.2	58.8	57.9	58.6	59.5	57.2	52.2	51.4	Structure	Total
	Jentera dan peralatan	33.6	32.7	34.1	33.5	32.3	34.2	39.0	40.3	Machinery and equipment	
	Aset lain	9.1	8.5	8.0	7.9	8.2	8.6	8.8	8.4	Other assets	
Jumlah		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Total	

**JADUAL** **3A** PMTK mengikut Jenis Aset pada Harga Semasa  
**TABLE** **3A** GFCF by Type of Assets at Current Prices

RM Juta/ Million

Jenis aset	Tahun/ Year								Type of assets
	2015	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>	
Struktur	174,240	187,521	199,226	205,359	206,468	169,700	155,741	167,589	Structure
Peralatan pengangkutan	22,476	22,212	23,426	24,439	21,472	16,808	19,108	20,929	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	64,540	65,391	75,988	73,172	70,427	64,230	75,295	86,212	ICT equipment and other machinery & equipment
Aset biologi	4,833	4,963	5,123	4,951	5,149	4,876	4,958	4,740	Biological assets
Produk harta intelek	34,155	34,720	35,777	37,737	38,885	38,093	40,597	43,647	Intellectual property products
Aset lain	4,179	4,088	4,402	4,705	4,572	2,956	2,737	3,152	Other assets
<b>Jumlah</b>	<b>304,423</b>	<b>318,895</b>	<b>343,942</b>	<b>350,365</b>	<b>346,973</b>	<b>296,663</b>	<b>298,437</b>	<b>326,269</b>	<b>Total</b>

**JADUAL** **3B** PMTK mengikut Jenis Aset pada Harga Semasa - Perubahan Peratusan Tahunan  
**TABLE** **3B** GFCF by Type of Assets at Current Prices - Annual Percentage Change

(%)

Jenis aset	Tahun/ Year								Type of assets
	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>		
Struktur	7.6	6.2	3.1	0.5	-17.8	-8.2	7.6	7.6	Structure
Peralatan pengangkutan	-1.2	5.5	4.3	-12.1	-21.7	13.7	9.5	9.5	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	1.3	16.2	-3.7	-3.8	-8.8	17.2	14.5	14.5	ICT equipment and other machinery & equipment
Aset biologi	2.7	3.2	-3.3	4.0	-5.3	1.7	-4.4	-4.4	Biological assets
Produk harta intelek	1.7	3.0	5.5	3.0	-2.0	6.6	7.5	7.5	Intellectual property products
Aset lain	-2.2	7.7	6.9	-2.8	-35.3	-7.4	15.2	15.2	Other assets
<b>Jumlah</b>	<b>4.8</b>	<b>7.9</b>	<b>1.9</b>	<b>-1.0</b>	<b>-14.5</b>	<b>0.6</b>	<b>9.3</b>	<b>9.3</b>	<b>Total</b>

**JADUAL** **3C** PMTK mengikut Jenis Aset pada Harga Semasa - Peratus Sumbangan kepada Jumlah PMTK  
**TABLE** **3C** GFCF by Type of Assets at Current Prices - Percentage Share to Total GFCF

(%)

Jenis aset	Tahun/ Year								Type of assets
	2015	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>	
Struktur	57.2	58.8	57.9	58.6	59.5	57.2	52.2	51.4	Structure
Peralatan pengangkutan	7.4	7.0	6.8	7.0	6.2	5.7	6.4	6.4	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	21.2	20.5	22.1	20.9	20.3	21.7	25.2	26.4	ICT equipment and other machinery & equipment
Aset biologi	1.6	1.6	1.5	1.4	1.5	1.6	1.7	1.5	Biological assets
Produk harta intelek	11.2	10.9	10.4	10.8	11.2	12.8	13.6	13.4	Intellectual property products
Aset lain	1.4	1.3	1.3	1.3	1.3	1.0	0.9	1.0	Other assets
<b>Jumlah</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>Total</b>

**JADUAL** 3D **PMTK mengikut Jenis Aset pada Harga Malar 2015**  
**TABLE** 3D **GFCF by Type of Assets at Constant 2015 Prices**

RM Juta/ Million

Jenis aset	Tahun/ Year								Type of assets
	2015	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>	
Struktur	174,240	182,203	189,713	193,330	192,423	157,257	141,502	148,217	Structure
Peralatan pengangkutan	22,476	21,794	22,511	23,855	20,259	15,634	17,502	18,656	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	64,540	65,024	75,190	73,185	70,194	63,965	74,734	84,317	ICT equipment and other machinery & equipment
Aset biologi	4,833	4,849	4,837	4,690	4,638	4,452	4,405	4,190	Biological assets
Produk harta intelek	34,155	34,381	34,698	36,133	36,859	37,115	38,254	39,571	Intellectual property products
Aset lain	4,179	3,940	4,142	4,398	4,163	2,753	2,585	2,865	Other assets
<b>Jumlah</b>	<b>304,423</b>	<b>312,190</b>	<b>331,093</b>	<b>335,592</b>	<b>328,536</b>	<b>281,175</b>	<b>278,982</b>	<b>297,816</b>	<b>Total</b>

**JADUAL** 3E **PMTK mengikut Jenis Aset pada Harga Malar 2015 - Perubahan Peratusan Tahunan**  
**TABLE** 3E **GFCF by Type of Assets at Constant 2015 Prices - Annual Percentage Change**

(%)

Jenis aset	Tahun/ Year								Type of assets
	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>		
Struktur	4.6	4.1	1.9	-0.5	-18.3	-10.0	4.7	Structure	
Peralatan pengangkutan	-3.0	3.3	6.0	-15.1	-22.8	11.9	6.6	Transport equipment	
Peralatan ICT dan lain-lain jentera & peralatan	0.7	15.6	-2.7	-4.1	-8.9	16.8	12.8	ICT equipment and other machinery & equipment	
Aset biologi	0.3	-0.2	-3.0	-1.1	-4.0	-1.1	-4.9	Biological assets	
Produk harta intelek	0.7	0.9	4.1	2.0	0.7	3.1	3.4	Intellectual property products	
Aset lain	-5.7	5.1	6.2	-5.4	-33.9	-6.1	10.8	Other assets	
<b>Jumlah</b>	<b>2.6</b>	<b>6.1</b>	<b>1.4</b>	<b>-2.1</b>	<b>-14.4</b>	<b>-0.8</b>	<b>6.8</b>	<b>Total</b>	

**JADUAL** 3F **PMTK mengikut Jenis Aset pada Harga Malar 2015 - Peratus Sumbangan kepada Jumlah PMTK**  
**TABLE** 3F **GFCF by Type of Assets at Constant 2015 Prices - Percentage Share to Total GFCF**

(%)

Jenis aset	Tahun/ Year								Type of assets
	2015	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>	
Struktur	57.2	58.4	57.3	57.6	58.6	55.9	50.7	49.8	Structure
Peralatan pengangkutan	7.4	7.0	6.8	7.1	6.2	5.6	6.3	6.3	Transport equipment
Peralatan ICT dan lain-lain jentera & peralatan	21.2	20.8	22.7	21.8	21.4	22.7	26.8	28.3	ICT equipment and other machinery & equipment
Aset biologi	1.6	1.6	1.5	1.4	1.4	1.6	1.6	1.4	Biological assets
Produk harta intelek	11.2	11.0	10.5	10.8	11.2	13.2	13.7	13.3	Intellectual property products
Aset lain	1.4	1.3	1.3	1.3	1.3	1.0	0.9	1.0	Other assets
<b>Jumlah</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>Total</b>

JADUAL 4A PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Semasa  
TABLE 4A GFCF by Sector and Kind of Economic Activity at Current Prices

RM Juta/ Million

Sektor dan jenis aktiviti ekonomi	Tahun/ Year								Sektor and kind of economic activity
	2015	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>	
<b>Sektor swasta</b>									<b>Private sector</b>
Pertanian	10,048	10,539	10,886	10,861	11,087	10,150	9,850	9,889	Agriculture
Perombongan dan pengkuarian	30,685	27,316	24,668	24,452	24,057	20,022	18,630	18,685	Mining and quarrying
Pembuatan	47,961	51,664	59,583	60,131	55,358	46,169	49,976	55,584	Manufacturing
Pembinaan	4,780	5,128	5,572	5,866	5,904	5,833	5,814	6,015	Construction
Perkhidmatan	104,676	116,877	133,810	144,509	156,070	140,085	147,038	163,767	Services
<b>Jumlah</b>	<b>198,150</b>	<b>211,525</b>	<b>234,520</b>	<b>245,819</b>	<b>252,476</b>	<b>222,259</b>	<b>231,308</b>	<b>253,939</b>	<b>Total</b>
<b>Sektor awam</b>									<b>Public sector</b>
Pertanian	276	286	290	277	276	241	239	246	Agriculture
Perombongan dan pengkuarian	25,573	22,651	20,407	15,783	12,762	7,916	6,149	6,499	Mining and quarrying
Pembuatan	9,093	11,492	10,887	8,827	7,303	5,809	6,096	6,285	Manufacturing
Pembinaan	286	290	312	327	325	314	305	322	Construction
Perkhidmatan	71,046	72,651	77,526	79,332	73,831	60,125	54,340	58,978	Services
<b>Jumlah</b>	<b>106,274</b>	<b>107,370</b>	<b>109,422</b>	<b>104,546</b>	<b>94,498</b>	<b>74,405</b>	<b>67,130</b>	<b>72,330</b>	<b>Total</b>
<b>Jumlah</b>	<b>304,423</b>	<b>318,895</b>	<b>343,942</b>	<b>350,365</b>	<b>346,973</b>	<b>296,663</b>	<b>298,437</b>	<b>326,269</b>	<b>Total</b>

JADUAL 4B PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Malar 2015  
TABLE 4B GFCF by Sector and Kind of Economic Activity at Constant 2015 Prices

RM Juta/ Million

Sektor dan jenis aktiviti ekonomi	Tahun/ Year								Sektor and kind of economic activity
	2015	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>	
<b>Sektor swasta</b>									<b>Private sector</b>
Pertanian	10,048	10,337	10,440	10,270	10,302	9,398	9,035	9,048	Agriculture
Perombongan dan pengkuarian	30,685	27,169	24,279	23,977	23,384	19,073	16,973	17,011	Mining and quarrying
Pembuatan	47,961	50,530	57,625	57,933	52,814	44,206	47,758	52,896	Manufacturing
Pembinaan	4,780	5,064	5,439	5,676	5,604	5,456	5,408	5,583	Construction
Perkhidmatan	104,676	113,877	127,812	137,487	146,923	132,521	137,135	147,291	Services
<b>Jumlah</b>	<b>198,150</b>	<b>206,977</b>	<b>225,594</b>	<b>235,343</b>	<b>239,027</b>	<b>210,653</b>	<b>216,308</b>	<b>231,830</b>	<b>Total</b>
<b>Sektor awam</b>									<b>Public sector</b>
Pertanian	276	282	280	264	259	225	219	225	Agriculture
Perombongan dan pengkuarian	25,573	22,535	20,108	15,508	12,430	7,546	5,855	6,159	Mining and quarrying
Pembuatan	9,093	11,447	10,696	8,645	7,080	5,663	5,770	5,925	Manufacturing
Pembinaan	286	287	304	317	308	301	292	305	Construction
Perkhidmatan	71,046	70,662	74,110	75,516	69,431	56,787	50,538	53,370	Services
<b>Jumlah</b>	<b>106,274</b>	<b>105,213</b>	<b>105,499</b>	<b>100,249</b>	<b>89,508</b>	<b>70,522</b>	<b>62,674</b>	<b>65,985</b>	<b>Total</b>
<b>Jumlah</b>	<b>304,423</b>	<b>312,190</b>	<b>331,093</b>	<b>335,592</b>	<b>328,536</b>	<b>281,175</b>	<b>278,982</b>	<b>297,816</b>	<b>Total</b>

JADUAL 4C PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Semasa - Perubahan Peratusan Tahunan  
 TABLE 4C GFCF by Sector and Kind of Economic Activity at Current Prices - Annual Percentage Change

(%)

Sektor dan jenis aktiviti ekonomi	Tahun/ Year							Sector and kind of economic activity
	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>	
<b>Sektor swasta</b>								<b>Private sector</b>
Pertanian	4.9	3.3	-0.2	2.1	-8.4	-3.0	0.4	Agriculture
Perombongan dan pengkuarian	-11.0	-9.7	-0.9	-1.6	-16.8	-7.0	0.3	Mining and quarrying
Pembuatan	7.7	15.3	0.9	-7.9	-16.6	8.2	11.2	Manufacturing
Pembinaan	7.3	8.7	5.3	0.7	-1.2	-0.3	3.5	Construction
Perkhidmatan	11.7	14.5	8.0	8.0	-10.2	5.0	11.4	Services
<b>Jumlah</b>	<b>6.8</b>	<b>10.9</b>	<b>4.8</b>	<b>2.7</b>	<b>-12.0</b>	<b>4.1</b>	<b>9.8</b>	<b>Total</b>
<b>Sektor awam</b>								<b>Public sector</b>
Pertanian	3.6	1.2	-4.2	-0.3	-12.9	-0.8	3.1	Agriculture
Perombongan dan pengkuarian	-11.4	-9.9	-22.7	-19.1	-38.0	-22.3	5.7	Mining and quarrying
Pembuatan	26.4	-5.3	-18.9	-17.3	-20.5	5.0	3.1	Manufacturing
Pembinaan	1.4	7.6	4.9	-0.8	-3.2	-2.9	5.5	Construction
Perkhidmatan	2.3	6.7	2.3	-6.9	-18.6	-9.6	8.5	Services
<b>Jumlah</b>	<b>1.0</b>	<b>1.9</b>	<b>-4.5</b>	<b>-9.6</b>	<b>-21.3</b>	<b>-9.8</b>	<b>7.7</b>	<b>Total</b>
<b>Jumlah</b>	<b>4.8</b>	<b>7.9</b>	<b>1.9</b>	<b>-1.0</b>	<b>-14.5</b>	<b>0.6</b>	<b>9.3</b>	<b>Total</b>

JADUAL 4D PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Malar 2015 - Perubahan Peratusan Tahunan  
 TABLE 4D GFCF by Sector and Kind of Economic Activity at Constant 2015 Prices - Annual Percentage Change

(%)

Sektor dan jenis aktiviti ekonomi	Tahun/ Year							Sector and kind of economic activity
	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>	
<b>Sektor swasta</b>								<b>Private sector</b>
Pertanian	2.9	1.0	-1.6	0.3	-8.8	-3.9	0.1	Agriculture
Perombongan dan pengkuarian	-11.5	-10.6	-1.2	-2.5	-18.4	-11.0	0.2	Mining and quarrying
Pembuatan	5.4	14.0	0.5	-8.8	-16.3	8.0	10.8	Manufacturing
Pembinaan	5.9	7.4	4.4	-1.3	-2.7	-0.9	3.2	Construction
Perkhidmatan	8.8	12.2	7.6	6.9	-9.8	3.5	7.4	Services
<b>Jumlah</b>	<b>4.5</b>	<b>9.0</b>	<b>4.3</b>	<b>1.6</b>	<b>-11.9</b>	<b>2.7</b>	<b>7.2</b>	<b>Total</b>
<b>Sektor awam</b>								<b>Public sector</b>
Pertanian	2.0	-0.8	-5.5	-2.0	-13.1	-2.7	2.9	Agriculture
Perombongan dan pengkuarian	-11.9	-10.8	-22.9	-19.8	-39.3	-22.4	5.2	Mining and quarrying
Pembuatan	25.9	-6.6	-19.2	-18.1	-20.0	1.9	2.7	Manufacturing
Pembinaan	0.3	6.1	4.1	-2.7	-2.1	-3.0	4.4	Construction
Perkhidmatan	-0.5	4.9	1.9	-8.1	-18.2	-11.0	5.6	Services
<b>Jumlah</b>	<b>-1.0</b>	<b>0.3</b>	<b>-5.0</b>	<b>-10.7</b>	<b>-21.2</b>	<b>-11.1</b>	<b>5.3</b>	<b>Total</b>
<b>Jumlah</b>	<b>2.6</b>	<b>6.1</b>	<b>1.4</b>	<b>-2.1</b>	<b>-14.4</b>	<b>-0.8</b>	<b>6.8</b>	<b>Total</b>

**JADUAL 4E** PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Semasa - Peratus Sumbangan kepada Jumlah PMTK  
**TABLE 4E** GFCF by Sector and Kind of Economic Activity at Current Prices - Percentage Share to Total GFCF

(%)

Sektor dan jenis aktiviti ekonomi	Tahun/ Year								Sektor and kind of economic activity
	2015	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>	
<b>Sektor swasta</b>									<b>Private sector</b>
Pertanian	3.3	3.3	3.2	3.1	3.2	3.4	3.3	3.0	Agriculture
Perombongan dan pengkuarian	10.1	8.6	7.2	7.0	6.9	6.7	6.2	5.7	Mining and quarrying
Pembuatan	15.8	16.2	17.3	17.2	16.0	15.6	16.7	17.0	Manufacturing
Pembinaan	1.6	1.6	1.6	1.7	1.7	2.0	1.9	1.8	Construction
Perkhidmatan	34.4	36.7	38.9	41.2	45.0	47.2	49.3	50.2	Services
<b>Jumlah</b>	<b>65.1</b>	<b>66.3</b>	<b>68.2</b>	<b>70.2</b>	<b>72.8</b>	<b>74.9</b>	<b>77.5</b>	<b>77.8</b>	<b>Total</b>
<b>Sektor awam</b>									<b>Public sector</b>
Pertanian	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	Agriculture
Perombongan dan pengkuarian	8.4	7.1	5.9	4.5	3.7	2.7	2.1	2.0	Mining and quarrying
Pembuatan	3.0	3.6	3.2	2.5	2.1	2.0	2.0	1.9	Manufacturing
Pembinaan	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	Construction
Perkhidmatan	23.3	22.8	22.5	22.6	21.3	20.3	18.2	18.1	Services
<b>Jumlah</b>	<b>34.9</b>	<b>33.7</b>	<b>31.8</b>	<b>29.8</b>	<b>27.2</b>	<b>25.1</b>	<b>22.5</b>	<b>22.2</b>	<b>Total</b>
<b>Jumlah</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>Total</b>

**JADUAL 4F** PMTK mengikut Sektor dan Jenis Aktiviti Ekonomi pada Harga Malar 2015 - Peratus Sumbangan kepada Jumlah PMTK  
**TABLE 4F** GFCF by Sector and Kind of Economic Activity at Constant 2015 Prices - Percentage Share to Total GFCF

(%)

Sektor dan jenis aktiviti ekonomi	Tahun/ Year								Sektor and kind of economic activity
	2015	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>	
<b>Sektor swasta</b>									<b>Private sector</b>
Pertanian	3.3	3.3	3.2	3.1	3.1	3.3	3.2	3.0	Agriculture
Perombongan dan pengkuarian	10.1	8.7	7.3	7.1	7.1	6.8	6.1	5.7	Mining and quarrying
Pembuatan	15.8	16.2	17.4	17.3	16.1	15.7	17.1	17.8	Manufacturing
Pembinaan	1.6	1.6	1.6	1.7	1.7	1.9	1.9	1.9	Construction
Perkhidmatan	34.4	36.5	38.6	41.0	44.7	47.1	49.2	49.5	Services
<b>Jumlah</b>	<b>65.1</b>	<b>66.3</b>	<b>68.1</b>	<b>70.1</b>	<b>72.8</b>	<b>74.9</b>	<b>77.5</b>	<b>77.8</b>	<b>Total</b>
<b>Sektor awam</b>									<b>Public sector</b>
Pertanian	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	Agriculture
Perombongan dan pengkuarian	8.4	7.2	6.1	4.6	3.8	2.7	2.1	2.1	Mining and quarrying
Pembuatan	3.0	3.7	3.2	2.6	2.2	2.0	2.1	2.0	Manufacturing
Pembinaan	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	Construction
Perkhidmatan	23.3	22.6	22.4	22.5	21.1	20.2	18.1	17.9	Services
<b>Jumlah</b>	<b>34.9</b>	<b>33.7</b>	<b>31.9</b>	<b>29.9</b>	<b>27.2</b>	<b>25.1</b>	<b>22.5</b>	<b>22.2</b>	<b>Total</b>
<b>Jumlah</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>Total</b>



JADUAL 4G PMTK mengikut Jenis Aktiviti Ekonomi dan Sektor pada Harga Semasa - Peratus Sumbangan kepada Jenis Aktiviti Ekonomi  
TABLE 4G GFCF by Kind of Economic Activity and Sector at Current Prices - Percentage Share to Kind of Economic Activity

(%)

Jenis aktiviti ekonomi dan sektor		Tahun/ Year								Kind of economic activity and sector	
		2015	2016	2017	2018	2019	2020	2021 <sup>a</sup>	2022 <sup>b</sup>		
Pertanian	Sektor Swasta	97.3	97.4	97.4	97.5	97.6	97.7	97.6	97.6	Private Sector	Agriculture
	Sektor Awam	2.7	2.6	2.6	2.5	2.4	2.3	2.4	2.4	Public Sector	
Perlombongan dan pengkuarian	Sektor Swasta	54.5	54.7	54.7	60.8	65.3	71.7	75.2	74.2	Private Sector	Mining and quarrying
	Sektor Awam	45.5	45.3	45.3	39.2	34.7	28.3	24.8	25.8	Public Sector	
Pembuatan	Sektor Swasta	84.1	81.8	84.6	87.2	88.3	88.8	89.1	89.8	Private Sector	Manufacturing
	Sektor Awam	15.9	18.2	15.4	12.8	11.7	11.2	10.9	10.2	Public Sector	
Pembinaan	Sektor Swasta	94.4	94.7	94.7	94.7	94.8	94.9	95.0	94.9	Private Sector	Construction
	Sektor Awam	5.6	5.3	5.3	5.3	5.2	5.1	5.0	5.1	Public Sector	
Perkhidmatan	Sektor Swasta	59.6	61.7	63.3	64.6	67.9	70.0	73.0	73.5	Private Sector	Services
	Sektor Awam	40.4	38.3	36.7	35.4	32.1	30.0	27.0	26.5	Public Sector	
Jumlah	Sektor Swasta	65.1	66.3	68.2	70.2	72.8	74.9	77.5	77.8	Private Sector	Total
	Sektor Awam	34.9	33.7	31.8	29.8	27.2	25.1	22.5	22.2	Public Sector	

JADUAL 4H PMTK mengikut Jenis Aktiviti Ekonomi dan Sektor pada Harga Malar 2015 - Peratus Sumbangan kepada Jenis Aktiviti Ekonomi  
TABLE 4H GFCF by Kind of Economic Activity and Sector at Constant 2015 Prices - Percentage Share to Kind of Economic Activity

(%)

Jenis aktiviti ekonomi dan sektor		Tahun/ Year								Kind of economic activity and sector	
		2015	2016	2017	2018	2019	2020	2021 <sup>a</sup>	2022 <sup>b</sup>		
Pertanian	Sektor Swasta	97.3	97.3	97.4	97.5	97.5	97.7	97.6	97.6	Private Sector	Agriculture
	Sektor Awam	2.7	2.7	2.6	2.5	2.5	2.3	2.4	2.4	Public Sector	
Perlombongan dan pengkuarian	Sektor Swasta	54.5	54.7	54.7	60.7	65.3	71.7	74.4	73.4	Private Sector	Mining and quarrying
	Sektor Awam	45.5	45.3	45.3	39.3	34.7	28.3	25.6	26.6	Public Sector	
Pembuatan	Sektor Swasta	84.1	81.5	84.3	87.0	88.2	88.6	89.2	89.9	Private Sector	Manufacturing
	Sektor Awam	15.9	18.5	15.7	13.0	11.8	11.4	10.8	10.1	Public Sector	
Pembinaan	Sektor Swasta	94.4	94.6	94.7	94.7	94.8	94.8	94.9	94.8	Private Sector	Construction
	Sektor Awam	5.6	5.4	5.3	5.3	5.2	5.2	5.1	5.2	Public Sector	
Perkhidmatan	Sektor Swasta	59.6	61.7	63.3	64.5	67.9	70.0	73.1	73.4	Private Sector	Services
	Sektor Awam	40.4	38.3	36.7	35.5	32.1	30.0	26.9	26.6	Public Sector	
Jumlah	Sektor Swasta	65.1	66.3	68.1	70.1	72.8	74.9	77.5	77.8	Private Sector	Total
	Sektor Awam	34.9	33.7	31.9	29.9	27.2	25.1	22.5	22.2	Public Sector	

**JADUAL 5A** PMTK Sektor Swasta mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa  
**TABLE** Private Sector GFCF by Kind of Economic Activity and Type of Assets at Current Prices

RM Juta/ Million

Jenis aktiviti ekonomi dan jenis aset		Tahun/ Year								Kind of economic activity and type of assets	
		2015	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>		
Pertanian	Struktur	2,476	2,596	2,808	2,902	2,736	2,145	1,415	1,471	Structure	Agriculture
	Jentera dan peralatan	2,610	2,853	2,937	3,048	3,244	3,175	3,400	3,358	Machinery and equipment	
	Aset lain	4,962	5,090	5,141	4,911	5,108	4,829	5,035	5,060	Other assets	
Perombongan dan pengkuarian	Struktur	19,865	16,221	14,413	13,518	15,441	12,902	11,061	11,651	Structure	Mining and quarrying
	Jentera dan peralatan	6,321	7,304	6,950	7,453	4,834	3,129	3,427	2,612	Machinery and equipment	
	Aset lain	4,499	3,791	3,305	3,481	3,782	3,990	4,142	4,422	Other assets	
Pembuatan	Struktur	13,224	14,939	16,140	17,285	14,802	10,512	9,170	10,227	Structure	Manufacturing
	Jentera dan peralatan	28,794	31,337	37,003	36,459	33,647	29,520	35,456	40,637	Machinery and equipment	
	Aset lain	5,943	5,389	6,440	6,387	6,909	6,137	5,350	4,720	Other assets	
Pembinaan	Struktur	1,114	1,060	1,069	1,423	1,772	1,724	1,653	1,791	Structure	Construction
	Jentera dan peralatan	3,582	3,985	4,416	4,355	4,048	4,023	4,078	4,140	Machinery and equipment	
	Aset lain	84	83	87	87	84	85	82	83	Other assets	
Perkhidmatan	Struktur	71,579	80,297	91,952	102,197	110,538	90,791	92,190	101,831	Structure	Services
	Jentera dan peralatan	27,734	31,490	36,600	36,291	39,385	43,405	48,522	55,361	Machinery and equipment	
	Aset lain	5,362	5,091	5,258	6,020	6,147	5,890	6,326	6,575	Other assets	
Jumlah	Struktur	108,259	115,113	126,382	137,326	145,289	118,074	115,490	126,970	Structure	Total
	Jentera dan peralatan	69,041	76,968	87,907	87,606	85,157	83,253	94,883	106,109	Machinery and equipment	
	Aset lain	20,850	19,444	20,231	20,887	22,030	20,932	20,935	20,860	Other assets	

**JADUAL 5B** PMTK Sektor Awam mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa  
**TABLE** Public Sector GFCF by Kind of Economic Activity and Type of Assets at Current Prices

RM Juta/ Million

Jenis aktiviti ekonomi dan jenis aset		Tahun/ Year								Kind of economic activity and type of assets	
		2015	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>		
Pertanian	Struktur	73	103	111	111	106	78	53	52	Structure	Agriculture
	Jentera dan peralatan	78	55	55	51	68	66	91	107	Machinery and equipment	
	Aset lain	125	129	124	115	103	97	95	87	Other assets	
Perombongan dan pengkuarian	Struktur	13,974	13,920	11,813	8,413	8,496	5,687	4,304	4,607	Structure	Mining and quarrying
	Jentera dan peralatan	8,569	5,473	5,415	4,741	2,039	361	270	251	Machinery and equipment	
	Aset lain	3,030	3,257	3,180	2,628	2,227	1,867	1,575	1,642	Other assets	
Pembuatan	Struktur	4,217	5,826	5,001	4,913	4,496	4,071	3,937	3,964	Structure	Manufacturing
	Jentera dan peralatan	4,768	5,311	5,479	3,623	2,498	1,428	1,752	1,788	Machinery and equipment	
	Aset lain	108	355	407	292	309	309	408	532	Other assets	
Pembinaan	Struktur	24	46	45	68	85	100	72	77	Structure	Construction
	Jentera dan peralatan	259	238	260	252	233	211	230	241	Machinery and equipment	
	Aset lain	3	6	7	7	7	4	4	4	Other assets	
Perkhidmatan	Struktur	47,693	52,513	55,874	54,528	47,997	41,690	31,885	31,919	Structure	Services
	Jentera dan peralatan	19,685	16,265	18,206	21,074	22,070	16,016	19,095	22,906	Machinery and equipment	
	Aset lain	3,668	3,874	3,446	3,730	3,764	2,419	3,360	4,154	Other assets	
Jumlah	Struktur	65,981	72,408	72,844	68,033	61,180	51,626	40,251	40,619	Structure	Total
	Jentera dan peralatan	33,358	27,342	29,415	29,742	26,908	18,082	21,437	25,293	Machinery and equipment	
	Aset lain	6,935	7,620	7,163	6,771	6,410	4,696	5,442	6,419	Other assets	

JADUAL 5C PMTK Sektor Swasta mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa - Peratus Sumbangan mengikut Jenis Aset  
TABLE Private Sector GFCF by Kind of Economic Activity and Type of Assets at Current Prices - Percentage Share by Type of Assets

(%)

Jenis aktiviti ekonomi dan jenis aset		Tahun/ Year								Kind of economic activity and type of assets	
		2015	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>		
Pertanian	Struktur	24.6	24.6	25.8	26.7	24.7	21.1	14.4	14.9	Structure	Agriculture
	Jentera dan peralatan	26.0	27.1	27.0	28.1	29.3	31.3	34.5	34.0	Machinery and equipment	
	Aset lain	49.4	48.3	47.2	45.2	46.1	47.6	51.1	51.2	Other assets	
Perlombongan dan pengkuarian	Struktur	64.7	59.4	58.4	55.3	64.2	64.4	59.4	62.4	Structure	Mining and quarrying
	Jentera dan peralatan	20.6	26.7	28.2	30.5	20.1	15.6	18.4	14.0	Machinery and equipment	
	Aset lain	14.7	13.9	13.4	14.2	15.7	19.9	22.2	23.7	Other assets	
Pembuatan	Struktur	27.6	28.9	27.1	28.7	26.7	22.8	18.3	18.4	Structure	Manufacturing
	Jentera dan peralatan	60.0	60.7	62.1	60.6	60.8	63.9	70.9	73.1	Machinery and equipment	
	Aset lain	12.4	10.4	10.8	10.6	12.5	13.3	10.7	8.5	Other assets	
Pembinaan	Struktur	23.3	20.7	19.2	24.3	30.0	29.6	28.4	29.8	Structure	Construction
	Jentera dan peralatan	74.9	77.7	79.3	74.2	68.6	69.0	70.1	68.8	Machinery and equipment	
	Aset lain	1.8	1.6	1.6	1.5	1.4	1.5	1.4	1.4	Other assets	
Perkhidmatan	Struktur	68.4	68.7	68.7	70.7	70.8	64.8	62.7	62.2	Structure	Services
	Jentera dan peralatan	26.5	26.9	27.4	25.1	25.2	31.0	33.0	33.8	Machinery and equipment	
	Aset lain	5.1	4.4	3.9	4.2	3.9	4.2	4.3	4.0	Other assets	
Jumlah	Struktur	54.6	54.4	53.9	55.9	57.5	53.1	49.9	50.0	Structure	Total
	Jentera dan peralatan	34.8	36.4	37.5	35.6	33.7	37.5	41.0	41.8	Machinery and equipment	
	Aset lain	10.5	9.2	8.6	8.5	8.7	9.4	9.1	8.2	Other assets	

JADUAL 5D PMTK Sektor Awam mengikut Jenis Aktiviti Ekonomi dan Jenis Aset pada Harga Semasa - Peratus Sumbangan mengikut Jenis Aset  
TABLE Public Sector GFCF by Kind of Economic Activity and Type of Assets at Current Prices - Percentage Share by Type of Assets

(%)

Jenis aktiviti ekonomi dan jenis aset		Tahun/ Year								Kind of economic activity and type of assets	
		2015	2016	2017	2018	2019	2020	2021 <sup>e</sup>	2022 <sup>p</sup>		
Pertanian	Struktur	26.3	36.0	38.2	40.2	38.4	32.3	22.2	21.3	Structure	Agriculture
	Jentera dan peralatan	28.3	19.1	19.1	18.5	24.5	27.5	38.1	43.3	Machinery and equipment	
	Aset lain	45.4	44.9	42.7	41.3	37.1	40.2	39.7	35.4	Other assets	
Perlombongan dan pengkuarian	Struktur	54.6	61.5	57.9	53.3	66.6	71.8	70.0	70.9	Structure	Mining and quarrying
	Jentera dan peralatan	33.5	24.2	26.5	30.0	16.0	4.6	4.4	3.9	Machinery and equipment	
	Aset lain	11.8	14.4	15.6	16.7	17.4	23.6	25.6	25.3	Other assets	
Pembuatan	Struktur	46.4	50.7	45.9	55.7	61.6	70.1	64.6	63.1	Structure	Manufacturing
	Jentera dan peralatan	52.4	46.2	50.3	41.0	34.2	24.6	28.7	28.5	Machinery and equipment	
	Aset lain	1.2	3.1	3.7	3.3	4.2	5.3	6.7	8.5	Other assets	
Pembinaan	Struktur	8.4	15.9	14.5	20.8	26.1	31.8	23.6	24.0	Structure	Construction
	Jentera dan peralatan	90.5	82.2	83.3	77.1	71.7	67.1	75.2	74.9	Machinery and equipment	
	Aset lain	1.0	1.9	2.1	2.1	2.2	1.1	1.2	1.1	Other assets	
Perkhidmatan	Struktur	67.1	72.3	72.1	68.7	65.0	69.3	58.7	54.1	Structure	Services
	Jentera dan peralatan	27.7	22.4	23.5	26.6	29.9	26.6	35.1	38.8	Machinery and equipment	
	Aset lain	5.2	5.3	4.4	4.7	5.1	4.0	6.2	7.0	Other assets	
Jumlah	Struktur	62.1	67.4	66.6	65.1	64.7	69.4	60.0	56.2	Structure	Total
	Jentera dan peralatan	31.4	25.5	26.9	28.4	28.5	24.3	31.9	35.0	Machinery and equipment	
	Aset lain	6.5	7.1	6.5	6.5	6.8	6.3	8.1	8.9	Other assets	

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## PENGENALAN

Penerbitan ini memberikan maklumat Pembentukan Modal Tetap Kasar (PMTK) mengikut jenis aktiviti ekonomi, jenis aset dan sektor bagi tahun 2015 hingga 2022. Penganggaran ini telah diselaraskan dengan pengasasan semula KDNK tahun asas 2015. Perangkaan ini telah disusun berdasarkan garis panduan yang disarankan oleh *System of National Accounts 2008 (2008 SNA)*.

## KONSEP DAN DEFINISI

**PMTK** diukur dengan jumlah nilai perolehan aset tetap, ditolak pelupusan aset tetap oleh residen dalam tempoh perakaunan yang digunakan secara berulang kali dan berterusan dalam proses pengeluaran serta perbelanjaan ke atas perkhidmatan yang menambah nilai kepada aset bukan pengeluaran.



Perolehan termasuk pembelian aset (baru atau terpakai) dan pembinaan aset oleh pengeluar untuk kegunaan mereka sendiri. Pelupusan termasuk jualan aset untuk skrap serta jualan aset terpakai yang masih boleh digunakan oleh pengeluar lain. PMTK juga dikenali sebagai pelaburan dalam aset tetap yang digunakan berulang kali dalam proses pengeluaran bagi tempoh lebih dari setahun.

Bagi kes isi rumah sebagai pengguna, semua perbelanjaan ke atas aset tetap seperti peralatan pengangkutan dan jentera & peralatan tidak dianggap sebagai PMTK tetapi ia merupakan penggunaan akhir. Walau bagaimanapun, ia adalah satu pengecualian bagi pembelian tempat kediaman untuk tujuan didiami oleh pemilik kerana pengeluaran perkhidmatan perumahan oleh pemilik penghuni diambil kira dalam 2008 SNA sebagai pengeluaran akaun sendiri.

## **ASET**

Aset adalah alat penyimpan nilai yang mewakili faedah atau beberapa faedah terakru bagi pemilik ekonomi melalui pegangan atau penggunaan entiti tersebut dalam satu tempoh masa. Ia merupakan satu cara membawa nilai ke hadapan dari satu tempoh perakaunan ke tempoh yang lain.

Aset boleh dibezakan pada klasifikasi peringkat pertama antara aset bukan kewangan dan aset kewangan. Bagi aset bukan kewangan, ia dibezakan antara aset pengeluaran dan aset bukan pengeluaran. Aset pengeluaran terdiri daripada struktur, jentera & peralatan dan aset lain.

## **PEMILIKAN ASET**

Aset dibahagikan kepada dua jenis pemilikan. **Pemilikan sah** adalah unit institusi yang dikenal pasti oleh undang-undang untuk menuntut faedah yang berkaitan dengan entiti. **Pemilikan ekonomi** adalah unit institusi yang berhak menuntut faedah berkaitan dengan penggunaan entiti dalam aktiviti ekonomi kerana menerima risiko yang berkaitan.

## **PMTK MENGIKUT JENIS ASET**

Bagi tujuan penerbitan ini, PMTK mengikut jenis aset dikelaskan kepada dua kategori. Kategori pertama terdiri daripada tiga jenis aset iaitu struktur, jentera & peralatan dan aset lain. Kategori yang seterusnya dibezakan mengikut enam jenis aset yang dinyatakan seperti berikut:

Kategori Tiga Jenis Aset	Keterangan	Kategori Enam Jenis Aset
<b>Struktur</b>	Bangunan kediaman	<b>Struktur</b>
	Bangunan bukan kediaman	
	Pembinaan lain	
	Struktur platform bagi aktiviti minyak dan gas	
<b>Jentera &amp; Peralatan</b>	Pesawat, kapal, kereta api, lokomotif, kenderaan komersil, kereta penumpang dan lain-lain	<b>Peralatan pengangkutan</b>
	Lain-lain jentera & peralatan	<b>Peralatan ICT dan Lain-lain Jentera &amp; Peralatan</b>
	Peralatan ICT	
	Perisian komputer & pangkalan data	
<b>Aset Lain</b>	Hiburan, sastera & seni asal	<b>Produk Harta Intelek</b>
	Penyelidikan & pembangunan	
	Cari gali mineral & penilaian	
	Ternakan yang menghasilkan pengeluaran berulang kali seperti haiwan yang digunakan untuk tujuan pembiakan, pengangkutan atau hiburan	<b>Aset Biologi</b>
	Pokok, tumbuhan dan sumber tanaman yang menghasilkan pengeluaran berulang kali contohnya kelapa sawit, getah dan pokok buah-buahan	
	Sistem persenjataan	<b>Aset Lain</b>
	Kos pindah hak milik tanah dan lain-lain yang tidak terkelas di tempat lain	

## PMTK MENGIKUT SEKTOR

Klasifikasi **sektor Awam** dan **Swasta** menyediakan satu standard untuk penyusunan perangkaan yang membahagikan ekonomi residen kepada sektor ekonomi yang luas bergantung sama ada dikawal oleh kerajaan atau sebaliknya.

Sektor Awam terdiri daripada semua unit kerajaan dan semua unit institusi dan juga unit institusi *notional* yang dikawal secara langsung atau tidak langsung oleh kerajaan iaitu perbadanan awam. Kriteria yang perlu dipertimbangkan sebagai kawalan adalah seperti berikut:

- Pemilikan majoriti kepentingan mengundi; atau
- Kawalan ke atas lembaga atau badan pentadbir lain; atau
- Kawalan dari segi pelantikan dan pemecatan jawatan utama; atau
- Kawalan ke atas jawatankuasa utama entiti; atau
- Saham kencana dan opsiyen; atau
- Peraturan dan kawalan; atau
- Kawalan oleh pelanggan utama; atau
- Kawalan disebabkan pinjaman daripada kerajaan

Sektor Swasta terdiri daripada semua unit residen yang dikendalikan oleh syarikat swasta kecuali yang dikawal oleh kerajaan. Contoh sektor Swasta ialah unit institusi isi rumah, *NPISHs* dan perbadanan swasta. Jadual A membezakan sektor Awam dan Swasta mengikut unit institusi.

**Jadual A: Sektor Awam dan Swasta mengikut Unit Institusi**

Perbadanan Bukan Kewangan	Perbadanan Kewangan	Kerajaan Am	<i>NPISHs</i>	Isi Rumah
Awam	Awam	Awam	Swasta	Swasta
Swasta	Swasta			



Penentuan PMTK mengikut sektor merujuk kepada pemilikan aset tetap. Dalam kebanyakan kes, penentuan pemilikan aset tetap adalah jelas; satu unit tunggal yang memperoleh aset untuk digunakan dalam pengeluaran. Bagi industri hulu minyak dan gas, ciri-ciri perniagaan adalah berbeza daripada yang lain di mana pengeluar berkongsi risiko dan ganjaran aset di antara unit yang berbeza pada satu masa. Bagi kes seperti ini, 2008 SNA menyarankan untuk merekodkan aset yang dikongsi di antara unit perlu berkadar dengan pemilikan syer.

## **PMTK MENGIKUT JENIS AKTIVITI EKONOMI**

**Jenis aktiviti ekonomi** merujuk kepada kumpulan pertubuhan yang terlibat dalam aktiviti utama yang sama. Aktiviti utama pertubuhan adalah kumpulan dalam industri berdasarkan kepada Piawaian Klasifikasi Industri Malaysia 2008 yang selari dengan *International Standard Industrial Classification of All Economic Activities (ISIC) Rev. 4*. Bagi penyusunan ini, semua unit kerajaan disusun di bawah aktiviti Perkhidmatan. Jadual B menunjukkan lima aktiviti utama ekonomi mengikut sub aktiviti.



Jadual B: Aktiviti Utama Ekonomi mengikut Sub aktiviti

Jenis Aktiviti Ekonomi	Keterangan
 <b>PERTANIAN</b>	
<b>Getah &amp; Kelapa Sawit</b>	<ul style="list-style-type: none"> <li>• Getah</li> <li>• Kelapa Sawit</li> </ul>
<b>Ternakan &amp; Perikanan</b>	<ul style="list-style-type: none"> <li>• Ternakan ayam dan itik</li> <li>• Lembu/ kerbau</li> <li>• Ternakan lain</li> <li>• Perikanan laut</li> <li>• Akuakultur</li> </ul>
<b>Pertanian Lain</b>	<ul style="list-style-type: none"> <li>• Perhutanan dan pembalakan</li> <li>• Padi</li> <li>• Sayur-sayuran</li> <li>• Buah-buahan</li> <li>• Tanaman makanan</li> <li>• Lain-lain</li> </ul>
 <b>PERLOMBONGAN DAN PENGKUARIAN</b>	
<b>Perlombongan dan Pengkuarian</b>	<ul style="list-style-type: none"> <li>• Minyak mentah dan kondensat</li> <li>• Gas asli</li> <li>• Perlombongan lain &amp; pengkuarian dan perkhidmatan sokongan</li> </ul>
 <b>PEMBUATAN</b>	
<b>Makanan, Minuman &amp; Tembakau</b>	<ul style="list-style-type: none"> <li>• Minyak dan lemak daripada sayuran &amp; haiwan</li> <li>• Prosesan makanan</li> <li>• Minuman</li> <li>• Produk tembakau</li> </ul>

**Jadual B: Aktiviti Utama Ekonomi mengikut Sub aktiviti (samb.)**

<b>Jenis Aktiviti Ekonomi</b>	<b>Keterangan</b>
<b>Produk Tekstil &amp; Kayu</b>	<ul style="list-style-type: none"><li>• Tekstil dan pakaian</li><li>• Kulit dan produk berkaitan</li><li>• Keluaran kayu</li><li>• Kertas dan produk kertas</li><li>• Percetakan dan pengeluaran semula media rakaman</li><li>• Perabot</li></ul>
<b>Produk Petroleum, Kimia, Getah &amp; Plastik</b>	<ul style="list-style-type: none"><li>• Produk petroleum bertapis</li><li>• Bahan kimia &amp; produk kimia dan produk farmaseutikal</li><li>• Produk getah</li><li>• Produk plastik</li></ul>
<b>Produk Mineral Bukan Logam, Logam Asas &amp; Produk Logam Yang Direka</b>	<ul style="list-style-type: none"><li>• Produk mineral bukan logam</li><li>• Logam asas</li><li>• Produk logam yang direka</li></ul>
<b>Produk Elektrik, Elektronik &amp; Optikal dan Peralatan Pengangkutan</b>	<ul style="list-style-type: none"><li>• Jentera dan peralatan</li><li>• Komputer dan kelengkapan peranti</li><li>• Kelengkapan elektrik</li><li>• Komponen &amp; papan elektronik, peralatan komunikasi dan elektronik pengguna</li><li>• Pembuatan peralatan perubatan, ketepatan &amp; optik, jam tangan dan jam</li><li>• Kenderaan bermotor dan peralatan pengangkutan</li><li>• Pembuatan lain dan pembaikan &amp; pemasangan mesin dan kelengkapan</li></ul>

**Jadual B: Aktiviti Utama Ekonomi mengikut Sub aktiviti (samb.)**

Jenis Aktiviti Ekonomi	Keterangan
 <b>PEMBINAAN</b>	
<b>Pembinaan</b>	<ul style="list-style-type: none"> <li>• Bangunan kediaman</li> <li>• Bangunan bukan kediaman</li> <li>• Kejuruteraan awam</li> <li>• Aktiviti pembinaan pertukangan khas</li> </ul>
 <b>PERKHIDMATAN</b>	
<b>Perdagangan Borong dan Runcit</b>	<ul style="list-style-type: none"> <li>• Perdagangan borong</li> <li>• Perdagangan runcit</li> <li>• Kenderaan bermotor</li> </ul>
<b>Makanan &amp; Minuman dan Penginapan</b>	<ul style="list-style-type: none"> <li>• Makanan dan minuman</li> <li>• Penginapan</li> </ul>
<b>Pengangkutan &amp; Penyimpanan dan Maklumat &amp; Komunikasi</b>	<ul style="list-style-type: none"> <li>• Pengangkutan darat</li> <li>• Pengangkutan air</li> <li>• Pengangkutan udara</li> <li>• Pelabuhan dan operasi lapangan terbang</li> <li>• Operasi lebuhraya</li> <li>• Aktiviti sokongan untuk pengangkutan</li> <li>• Pos dan kurier</li> <li>• Aktiviti penerbitan dan penyiaran</li> <li>• Telekomunikasi</li> <li>• Aktiviti komputer dan perkhidmatan maklumat</li> </ul>
<b>Kewangan, Insurans, Hartanah dan Perkhidmatan Perniagaan</b>	<ul style="list-style-type: none"> <li>• Pengantara kewangan</li> <li>• Lain-lain pengantara kewangan dan aktiviti sokongan kewangan</li> <li>• Insurans dan tabungan pencen</li> <li>• Aktiviti sokongan insurans</li> <li>• Hartanah</li> </ul>

**Jadual B: Aktiviti Utama Ekonomi mengikut Sub aktiviti (samb.)**

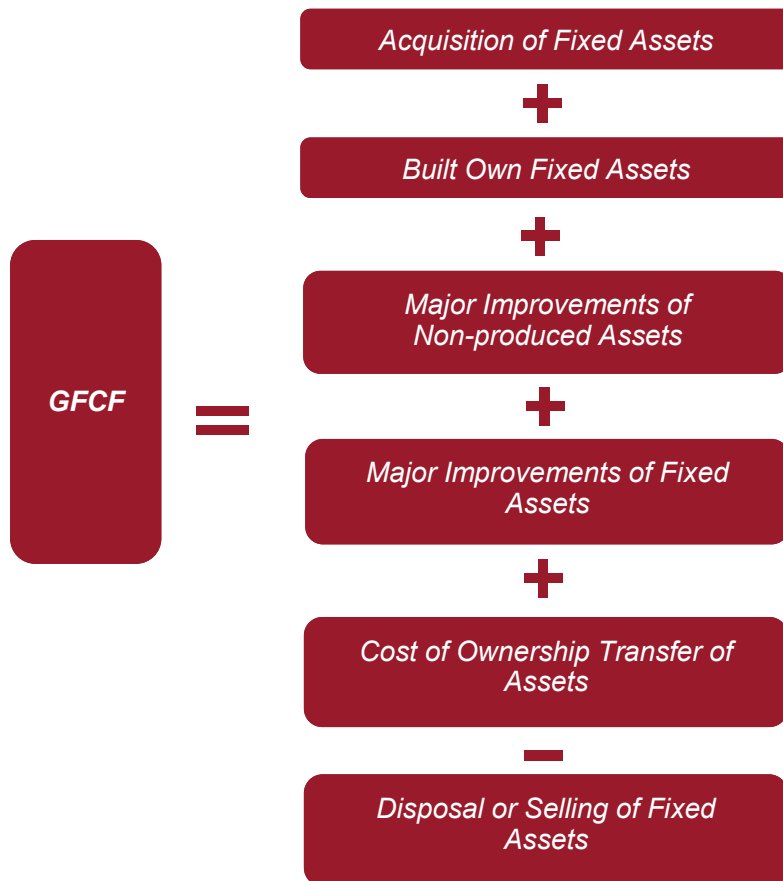
<b>Jenis Aktiviti Ekonomi</b>	<b>Keterangan</b>
	<ul style="list-style-type: none"><li>• Profesional, saintifik dan teknikal</li><li>• Pentadbiran dan khidmat sokongan</li><li>• Kediaman yang didiami oleh pemilik</li></ul>
<b>Perkhidmatan Lain</b>	<ul style="list-style-type: none"><li>• Elektrik dan gas</li><li>• Air, pembentungan dan pengurusan sisa</li><li>• Perkhidmatan kesihatan swasta</li><li>• Perkhidmatan pendidikan swasta</li><li>• Perkhidmatan swasta lain</li><li>• Perkhidmatan kerajaan</li><li>• Institusi bukan keuntungan yang berkhidmat kepada isi rumah</li><li>• Perkhidmatan domestik bagi isi rumah</li></ul>

## INTRODUCTION

This publication provides information on Gross Fixed Capital Formation (GFCF) by kind of economic activity, type of assets and sector for year 2015 to 2022. The estimation has been realigned with the rebasing of GDP base year 2015. The statistics are compiled based on the guidelines recommended by System of National Accounts 2008 (2008 SNA).

## CONCEPTS AND DEFINITIONS

GFCF is measured by the total value acquired, less disposal of fixed assets by the residents during the accounting period which are used repeatedly or continuously for production plus expenditure on services that adds value to the non-produced assets.



Acquisition includes both purchases of assets (new or used) and the construction of assets by producers for their own use. Disposals include sales of assets for scrap as well as sales of used assets in a working condition to other producers. GFCF is also known as investment in fixed assets that used repeatedly in the process of production for more than one year.

*In the case of households as consumers, all expenditure on fixed assets such as transport equipment and machinery & equipment are not considered as GFCF but final consumption. However, it is an exception for purchase on dwellings for residential purpose since the production of housing services by owner-occupiers is considered in 2008 SNA as own account production.*

## **ASSET**

*An asset is a store of value representing a benefit or series of benefits accruing to the economic owner by holding or using the entity over a period of time. It is a means of carrying forward value from one accounting period to another.*

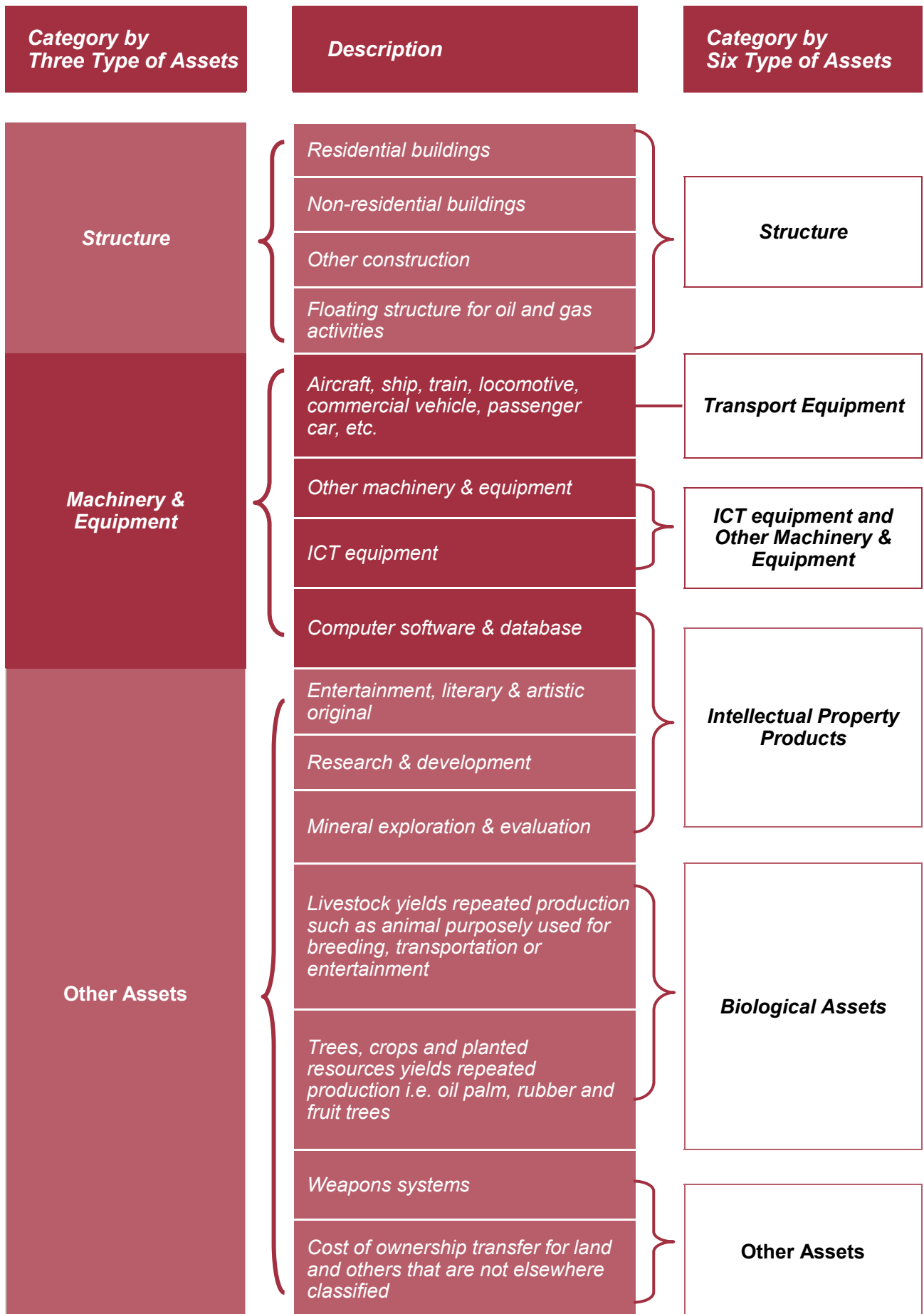
*Asset is distinguished at the first level of the classification between non-financial asset and financial asset. Within non-financial asset, it is distinguished between produced and non-produced asset. Produced asset consists of structure, machinery & equipment and other assets.*

## **OWNERSHIP OF ASSET**

*Asset is divided into two types of ownership. **Legal ownership** is the institutional unit identified by law to claim the benefits associated with the entities. **Economic ownership** is the institutional unit entitled to claim the benefits associated with the use of the entity in the course of an economic activity by virtue of*

## **GFCF BY TYPE OF ASSETS**

*For the purpose of this publication, GFCF by type of assets are classified into two categories. The first category consists of three types of assets that are structure, machinery & equipment and other assets. The latter is distinguished by six types of assets expressed as follows:*





## **GFCF BY SECTOR**

The **Public** and **Private sectors** classification provides a standard for the compilation of statistics that divide the resident economy into broad economic sector depending on whether they are controlled by government or otherwise.

The **Public sector** comprises all government units and all institutional units and also notional institutional units controlled directly or indirectly by government i.e. public corporation. The criteria to be considered as control are as follows:

- Ownership of the majority of the voting interest; or
- Control of the board or other governing body; or
- Control of the appointment and removal of key personnel; or
- Control of key committees of the entity; or
- Golden shares and options; or
- Regulation and control; or
- Control by a dominant customer; or
- Control attached to borrow from the government

Private sector comprises all resident units operated by private enterprises except those controlled by government. Example of Private sector is household institution units, NPISHs and private corporations. Table A distinguishes Public and Private sectors by institutional units.

**Table A: Public and Private Sectors by Institutional Units**




<b>Non-financial Corporation</b>	<b>Financial Corporation</b>	<b>General Government</b>	<b>NPISHs</b>	<b>Households</b>
<b>Public</b>	<b>Public</b>	<b>Public</b>	<b>Private</b>	<b>Private</b>
<b>Private</b>	<b>Private</b>			

*The determination of GFCF by sector refers to the ownership of fixed assets. In most cases, the ownership of fixed assets is straightforward; a single unit that acquires the asset for use in production. For oil and gas upstream industry, the nature of business is different from others whereby the producers share the risks and rewards of assets between different units at a point of time. In such cases, 2008 SNA recommends to record the assets shared between the units in proportionate to their ownership shares.*

## **GFCF BY KIND OF ECONOMIC ACTIVITY**

*Kind of economic activity refers to the group of establishments engaged in the similar principal activity. The principal activity of establishments are grouped into industries according to the Malaysia Standard Industrial Classification 2008 which is aligned with the International Standard Industrial Classification of All Economic Activities (ISIC) Rev. 4. In this compilation, all government units are grouped under Services activity. Table B shows the five main economic activities by sub activities.*



**Table B: Main Economic Activity by Sub-activity**

<b>Kind of Economic Activity</b>	<b>Description</b>
 <b>AGRICULTURE</b>	
<b>Rubber &amp; Oil Palm</b>	<ul style="list-style-type: none"> <li>• Rubber</li> <li>• Oil Palm</li> </ul>
<b>Livestock &amp; Fishing</b>	<ul style="list-style-type: none"> <li>• Poultry</li> <li>• Cattle</li> <li>• Other livestock</li> <li>• Marine fishing</li> <li>• Aquaculture</li> </ul>
<b>Other Agriculture</b>	<ul style="list-style-type: none"> <li>• Forestry and logging</li> <li>• Paddy</li> <li>• Vegetables</li> <li>• Fruits</li> <li>• Food crops</li> <li>• Others</li> </ul>
 <b>MINING AND QUARRYING</b>	
<b>Mining and Quarrying</b>	<ul style="list-style-type: none"> <li>• Crude oil and condensate</li> <li>• Natural gas</li> <li>• Other mining &amp; quarrying and supporting services</li> </ul>
 <b>MANUFACTURING</b>	
<b>Food, Beverages &amp; Tobacco</b>	<ul style="list-style-type: none"> <li>• Vegetable and animal oils &amp; fats</li> <li>• Food processing</li> <li>• Beverages</li> <li>• Tobacco products</li> </ul>

**Table B: Main Economic Activity by Sub-activity (cont'd)**

<b>Kind of Economic Activity</b>	<b>Description</b>
<b>Textiles &amp; Wood Products</b>	<ul style="list-style-type: none"> <li>• Textile and wearing apparel</li> <li>• Leather and related products</li> <li>• Wood products</li> <li>• Paper and paper products</li> <li>• Printing and reproduction of recorded media</li> <li>• Furniture</li> </ul>
<b>Petroleum, Chemical, Rubber &amp; Plastic Products</b>	<ul style="list-style-type: none"> <li>• Refined petroleum products</li> <li>• Chemicals &amp; chemical products and pharmaceutical products</li> <li>• Rubber products</li> <li>• Plastics products</li> </ul>
<b>Non-metallic Mineral Products, Basic Metal &amp; Fabricated Metal Products</b>	<ul style="list-style-type: none"> <li>• Non-metallic mineral products</li> <li>• Basic metals</li> <li>• Fabricated metal products</li> </ul>
<b>Electrical, Electronic &amp; Optical products and Transport Equipment</b>	<ul style="list-style-type: none"> <li>• Machinery and equipment</li> <li>• Computers and peripheral equipment</li> <li>• Electrical equipment</li> <li>• Electronic components &amp; boards, communication equipment and consumer electronics</li> <li>• Manufacture of medical, precision &amp; optical instrument, watches and clocks</li> <li>• Motor vehicles and transport equipment</li> <li>• Other manufacturing and repair &amp; installation of machinery and equipment</li> </ul>

**Table B: Main Economic Activity by Sub-activity (cont'd)**

<b>Kind of Economic Activity</b>	<b>Description</b>
 <b>CONSTRUCTION</b>	
	<ul style="list-style-type: none"> <li>• Residential buildings</li> <li>• Non-residential buildings</li> <li>• Civil engineering</li> <li>• Specialised construction activities</li> </ul>
 <b>SERVICES</b>	
<b>Wholesale and Retail Trade</b>	<ul style="list-style-type: none"> <li>• Wholesale trade</li> <li>• Retail trade</li> <li>• Motor vehicles</li> </ul>
<b>Food &amp; Beverage and Accommodation</b>	<ul style="list-style-type: none"> <li>• Food and beverage</li> <li>• Accommodation</li> </ul>
<b>Transportation &amp; Storage and Information &amp; Communication</b>	<ul style="list-style-type: none"> <li>• Land transport</li> <li>• Water transport</li> <li>• Air transport</li> <li>• Port and airport operation</li> <li>• Highway operation</li> <li>• Support activities for transportation</li> <li>• Postal and courier</li> <li>• Publishing &amp; broadcasting activities</li> <li>• Telecommunication</li> <li>• Computer &amp; information services</li> </ul>
<b>Finance, Insurance, Real Estate and Business Services</b>	<ul style="list-style-type: none"> <li>• Monetary intermediation</li> <li>• Other financial intermediation and activities auxiliary to finance</li> <li>• Insurance and pension funding</li> <li>• Activities auxiliary to insurance</li> <li>• Real estate</li> </ul>






**Table B: Main Economic Activity by Sub-activity (cont'd)**

<b>Kind of Economic Activity</b>	<b>Description</b>
	<ul style="list-style-type: none"><li>• <i>Professional, scientific and technical</i></li><li>• <i>Administrative and support services</i></li><li>• <i>Owner occupied dwelling</i></li></ul>
<b>Other Services</b>	<ul style="list-style-type: none"><li>• <i>Electricity and gas</i></li><li>• <i>Water, sewerage and waste management</i></li><li>• <i>Private health services</i></li><li>• <i>Private education services</i></li><li>• <i>Other private services</i></li><li>• <i>Government services</i></li><li>• <i>Non-profit institutions serving households</i></li><li>• <i>Domestic services of households</i></li></ul>

# SUMBER DATA

Sumber Data	Aktiviti Ekonomi				
	Pertanian	Perlombongan dan pengkuarian	Pembuatan	Pembinaan	Perkhidmatan
1 Banci Ekonomi					
2 Statistik Ekonomi Tahunan					
3 Jadual Penawaran & Penggunaan 2015					
4 Survei Perbelanjaan Modal Pertubuhan Awam					
5 Perangkaan Getah Bulanan Malaysia					
6 Perangkaan Petroleum dan Gas Asli					
7 Perangkaan Pembuatan Bulanan Malaysia					
8 Survei Pembinaan Suku Tahunan					
9 Perangkaan Perdagangan Luar Negeri Bulanan					
10 Imbangan Pembayaran Suku Tahunan					
11 Jabatan Perkhidmatan Veterinar, Semenanjung Malaysia					
12 Jabatan Perkhidmatan Veterinar, Sabah					
13 Jabatan Perkhidmatan Veterinar, Sarawak					
14 Kementerian Pertanian dan Industri Makanan, Malaysia					
15 Lembaga Minyak Sawit Malaysia					
16 Lembaga Getah Malaysia					
17 Lembaga Perindustrian Nanas, Malaysia					
18 Lembaga Koko Malaysia					
19 Lembaga Lada Malaysia					
20 Penyata Kewangan Kerajaan Persekutuan, Kerajaan Negeri, Pihak Berkuasa Tempatan dan Badan-badan Berkanun					
21 Perbadanan Kemajuan Filem Nasional Malaysia (FINAS)					
22 Persatuan Industri Rakaman Malaysia (RIM)					
23 Penyata kewangan syarikat					
24 Kajian Penyelidikan dan Pembangunan Nasional, MASTIC					
25 Pusat Maklumat Harta Tanah (NAPIC)					

# DATA SOURCES

Economic Activity  Data Sources	Agriculture	Mining and quarrying	Manufacturing	Construction	Services
					
1 Economic Census	✓	✓	✓	✓	✓
2 Annual Economic Statistics	✓	✓	✓	✓	✓
3 Supply & Use Tables 2015	✓	✓	✓	✓	✓
4 Survey of Capital Expenditure for Public Establishments	✓	✓	✓	✓	✓
5 Monthly Rubber Statistics Malaysia	✓				
6 Petroleum and Natural Gas Statistics		✓			
7 Monthly Manufacturing Statistics Malaysia			✓		
8 Quarterly Construction Survey				✓	
9 Monthly External Trade Statistics	✓	✓	✓	✓	✓
10 Quarterly Balance of Payments					✓
11 Department of Veterinary Services, Peninsular Malaysia	✓				
12 Department of Veterinary Services, Sabah	✓				
13 Department of Veterinary Services, Sarawak	✓				
14 Ministry of Agriculture and Food Industry, Malaysia	✓				
15 Malaysian Palm Oil Board	✓				
16 Malaysian Rubber Board	✓				
17 Malaysian Pineapple Industry Board	✓				
18 Malaysian Cocoa Board	✓				
19 Malaysian Pepper Board	✓				
20 Financial Statement of Federal Government, State Government, Local Authorities and Statutory Bodies					✓
21 National Film Development Corporation Malaysia					✓
22 Recording Industry Association of Malaysia					✓
23 Financial statement from companies	✓	✓	✓	✓	✓
24 National Research and Development Survey, MASTIC					✓
25 National Property Information Centre (NAPIC)					✓



## SIMBOL & SINGKATAN

Simbol & singkatan berikut telah digunakan dalam keseluruhan penerbitan:

e	anggaran
p	permulaan
KDNK	Keluaran Dalam Negeri Kasar
PMTK	Pembentukan Modal Tetap Kasar
RM	Ringgit Malaysia
2008 SNA	<i>System of National Accounts 2008</i>

### SEMAKAN

Semakan anggaran tahunan bagi tahun 2020 dan 2021 adalah berdasarkan banci/ survei terkini bagi industri terpilih dan sumber lain.

### NOTA

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

## **SYMBOLS & ABBREVIATIONS**

*The following symbols & abbreviations have been used throughout the publication:*

<i>e</i>	<i>estimates</i>
<i>p</i>	<i>preliminary</i>
<i>etc.</i>	<i>et cetera</i>
<i>i.e.</i>	<i>that is</i>
<i>GDP</i>	<i>Gross Domestic Product</i>
<i>GFCF</i>	<i>Gross Fixed Capital Formation</i>
<i>RM</i>	<i>Ringgit Malaysia</i>
<i>2008 SNA</i>	<i>System of National Accounts 2008</i>

### **REVISIONS**

*Revisions of annual estimates for year 2020 and 2021 were based on latest census/ surveys for selected industries and other sources.*

### **NOTE**

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