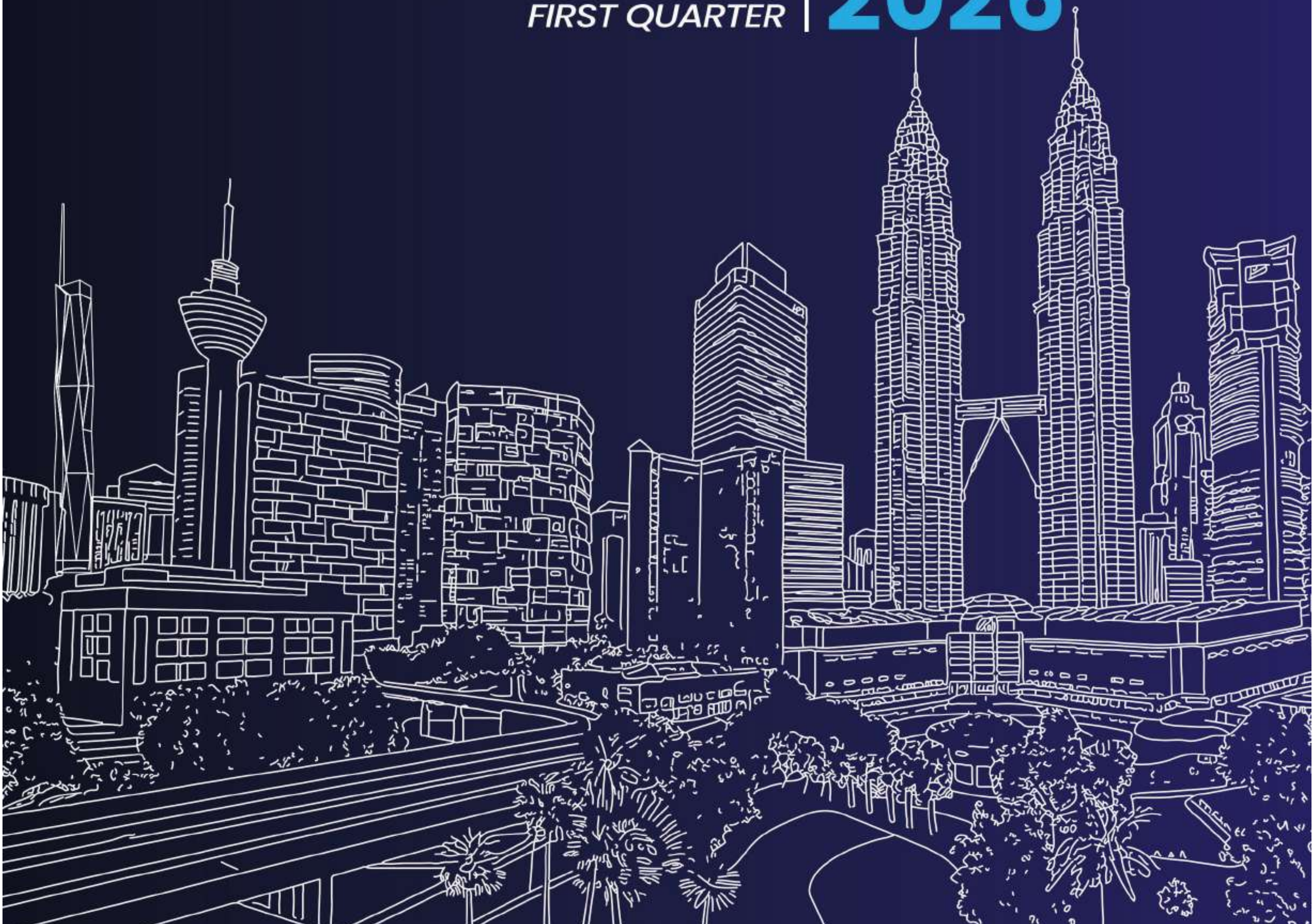
KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

INDEKS VOLUM PERDAGANGAN BORONG & RUNCIT SUKU TAHUNAN

Quarterly Volume Index of Wholesale & Retail Trade

SUKU TAHUN PERTAMA | **2026**
FIRST QUARTER



JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA

KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

INDEKS VOLUM PERDAGANGAN BORONG & RUNCIT SUKU TAHUNAN

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SUKU TAHUN PERTAMA
First Quarter

2026

Pemakluman

Jabatan Perangkaan Malaysia (DOSM) sedang melaksanakan **Banci Ekonomi 2026 (BE2026)** dengan tema **"Data Nadi Ekonomi Rakyat"**. Pelaksanaan Banci Ekonomi kali keenam ini berlangsung dari **5 Januari hingga 31 Oktober 2026**. BE2026 bertujuan untuk mengumpul data yang menyeluruh dan berstruktur daripada semua pertubuhan perniagaan berdaftar dan tidak berdaftar di Malaysia, bagi menilai prestasi, struktur serta ciri-ciri ekonomi negara secara komprehensif dan berasaskan bukti.

Malaysia buat julung kalinya telah menduduki **tangga pertama (1)** di peringkat global dalam laporan dwi-tahunan **Open Data Inventory (ODIN) 2024/25** yang dikeluarkan oleh Open Data Watch (ODW), mengatasi 197 negara lain. Pencapaian ini merupakan lonjakan ketara daripada kedudukan ke-67 dalam penilaian ODIN 2022/23.

OpenDOSM NextGen adalah medium yang menyediakan katalog data dan visualisasi bagi memudahkan pengguna menganalisis pelbagai data dan boleh diakses melalui portal https://open.dosm.gov.my.

Announcement

The Department of Statistics Malaysia (DOSM) is conducting the ***Economic Census 2026 (BE2026)****, with themed* ***"Data Nadi Ekonomi Rakyat"****. The sixth Economic Census, will be carried out from* ***5th January to 31st October 2026****. BE2026 aims to collect comprehensive and structured data from all registered and unregistered business establishments in Malaysia to assess the nation's economic performance, structure and characteristics in an evidence-based manner.*

Malaysia *has, for the first time, successfully secured the* ***top position*** *globally in the biennial* ***Open Data Inventory (ODIN) 2024/25*** *report released by Open Data Watch (ODW), surpassing 197 other countries. This achievement marks a significant leap from its 67th position in the ODIN 2022/23 assessment.*

OpenDOSM NextGen *is a medium that provides data catalogue and visualisations to facilitate users' analysis and can be accessed through https://open.dosm.gov.my.*

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA

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KATA PENGANTAR

Penerbitan ini memaparkan **Indeks Volum Perdagangan Borong & Runcit** bagi **Suku Tahun Pertama 2026** meliputi subsektor Kenderaan Bermotor, Perdagangan Borong dan Perdagangan Runcit. Indeks ini telah disusun buat pertama kali dengan menggunakan tahun 2008 sebagai tahun asas (2008=100). Bermula suku tahun pertama 2014, ianya telah diasaskan semula kepada tahun 2010 dan seterusnya, pada suku tahun kedua 2019, ia telah menggunakan tahun asas 2015. Indeks ini disusun secara suku tahunan dan menggunakan klasifikasi industri yang terperinci berdasarkan Piawaian Klasifikasi Industri Malaysia (MSIC) 2008, Ver. 1.0 yang selari dengan International Standard Industrial Classification of All Economic Activities Revision 4, yang diterbitkan oleh United Nations Statistics Division.

Penerbitan ini mengandungi ringkasan penemuan utama, jadual terperinci dan nota teknikal yang menjelaskan aspek sumber data, metodologi dan konsep yang digunakan bagi meningkatkan kefahaman berkenaan data.

Jabatan ingin merakamkan setinggi-tinggi penghargaan atas kerjasama semua pihak dalam membekalkan data yang diperlukan. Cadangan dan pandangan ke arah memperbaiki lagi penerbitan ini pada masa hadapan amatlah dihargai.

DATO' SRI DR. MOHD UZIR MAHIDIN
Ketua Perangkawan Malaysia

Mei 2026

PREFACE

*This publication highlights the **Volume Index of Wholesale & Retail Trade** for the **First Quarter 2026** encompassing the Motor Vehicles, Wholesale Trade and Retail Trade sub-sectors. This index was compiled for the first time using 2008 as the base year (2008=100). Beginning in first quarter 2014, it has been rebased to 2010 and subsequently, in second quarter 2019, 2015 as the base year has been implemented. This index is published on a quarterly basis and uses the detailed classification of industries in the Malaysia Standard Industrial Classification (MSIC) 2008, Ver. 1.0 which is in line with the International Standard Industrial Classification of All Economic Activities Revision 4, published by the United Nations Statistics Division.*

This publication consists summary of the main findings, detailed tables and technical notes which describes data sources, methodology and concepts used to enhance the understanding of data.

The Department gratefully acknowledges the co-operation of all parties concerned in providing the required data. Comments and suggestions towards improving future reports are greatly appreciated.

DATO' SRI DR. MOHD UZIR MAHIDIN
Chief Statistician Malaysia

May 2026

KALENDAR AWALAN KELUARAN 2026
ADVANCE RELEASE CALENDAR YEAR 2026

INDEKS VOLUM PERDAGANGAN BORONG & RUNCIT SUKU TAHUNAN
QUARTERLY VOLUME INDEX OF WHOLESALE & RETAIL TRADE

Suku Tahun Rujukan ***Reference Quarter***	**Tarikh** ***Date***
Suku Tahun Pertama 2026 *First Quarter 2026*	11 Mei 2026 *11 May 2026*
Suku Tahun Kedua 2026 *Second Quarter 2026*	12 Ogos 2026 *12 August 2026*
Suku Tahun Ketiga 2026 *Third Quarter 2026*	13 November 2026 *13 November 2026*
Suku Tahun Keempat 2026 *Fourth Quarter 2026*	10 Februari 2027 *10 February 2027*

Nota.
Merujuk kepada tarikh data disebarkan kepada media atau dalam penerbitan khusus. Tarikh siaran tertakluk kepada pindaan.

Notes.
Refers to the date of the data's dissemination to the media or in the specific publication. Release dates are subject to change.

SINGKATAN
ABBREVIATIONS

b	Bilion
j	Juta
p	Permulaan
r	Pindaan
QoQ	Suku Tahun ke Suku Tahun
RM	Ringgit Malaysia
t.t.t.l	Tidak terkelas di tempat lain
YoY	Tahun ke Tahun
n.a	Tiada
SA	Pelarasan Musim
ST	Suku Tahun

b	*Billion*
m	*Million*
p	*Preliminary*
r	*Revision*
Q	*Quarter*
QoQ	*Quarter-on-Quarter*
n.e.c	*Not elsewhere classified*
YoY	*Year-on-Year*
n.a	*Not available*
SA	*Seasonal Adjusted*

SIMBOL
SYMBOLS

&	dan/ *and*
/	atau/ *or*
%	Peratus/ *percentage*

Nota.

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

Notes.

The sum of component figures may be differ from the sub-total or total figures due to rounding.

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SEPINTAS LALU
Snapshots

INDEKS VOLUM PERDAGANGAN BORONG & RUNCIT
Volume Index of Wholesale & Retail Trade

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KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

INDEKS VOLUM PERDAGANGAN BORONG & RUNCIT

SUKU TAHUN PERTAMA 2026

Indeks Volum Perdagangan Borong dan Runcit mencatatkan pertumbuhan 4.9 peratus tahun ke tahun dengan penurunan 1.2 peratus suku tahun ke suku tahun pada suku tahun pertama 2026.

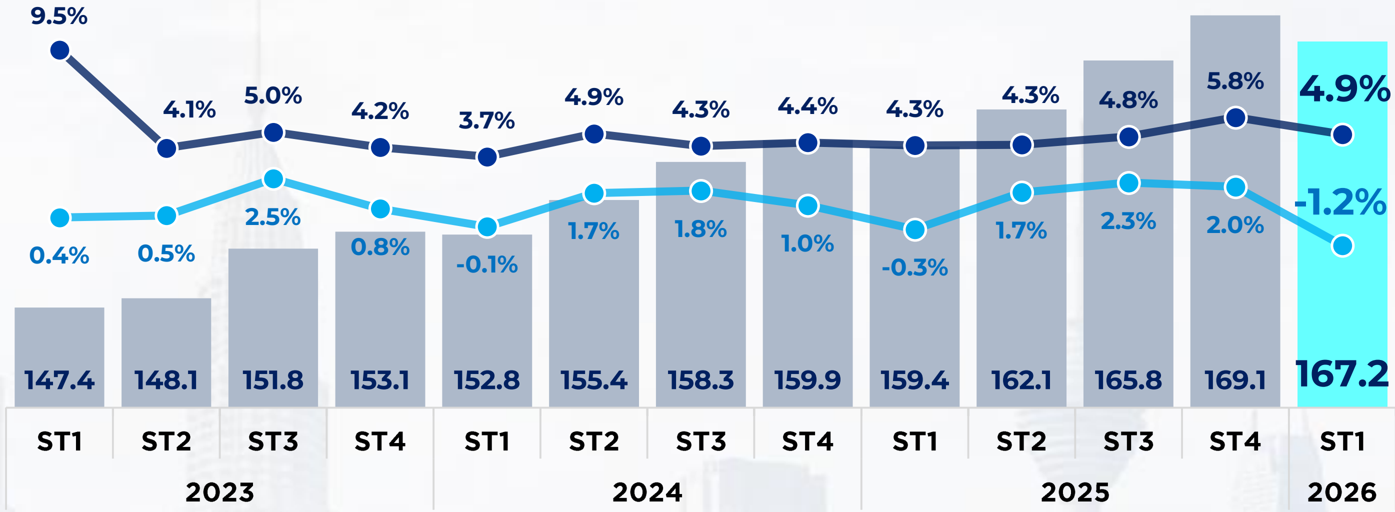
PRESTASI SUKU TAHUNAN

ST1 2026

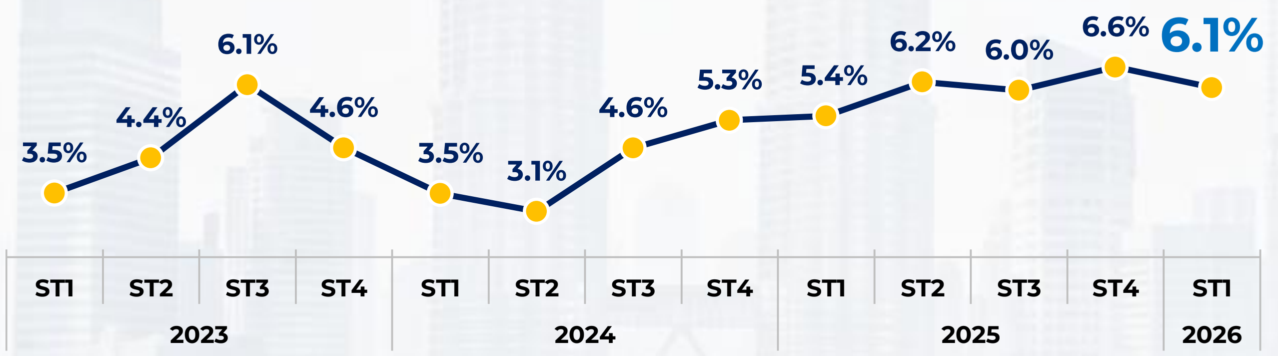
Indeks Volum Perdagangan Borong & Runcit

Peratus Perubahan (%)

Tahun ke Tahun (YoY)	4.9%
Suku Tahun ke Suku Tahun (QoQ)	-1.2%

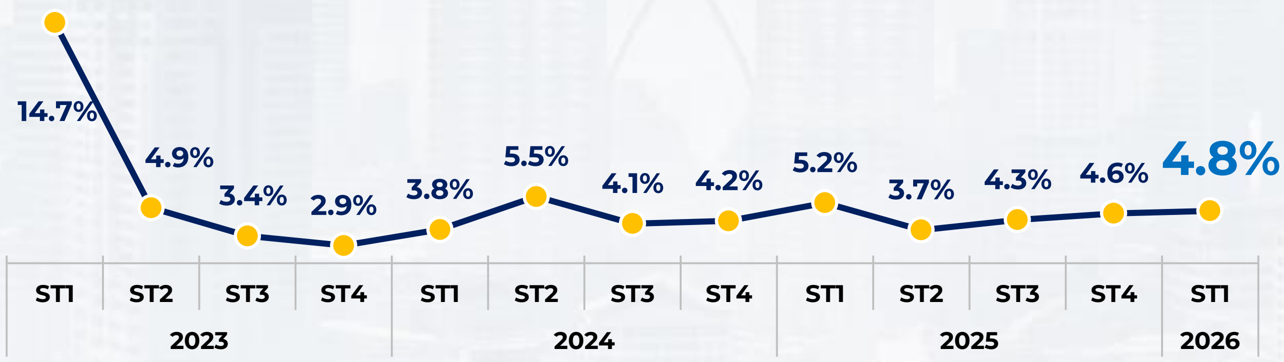


PRESTASI MENGIKUT SUBSEKTOR



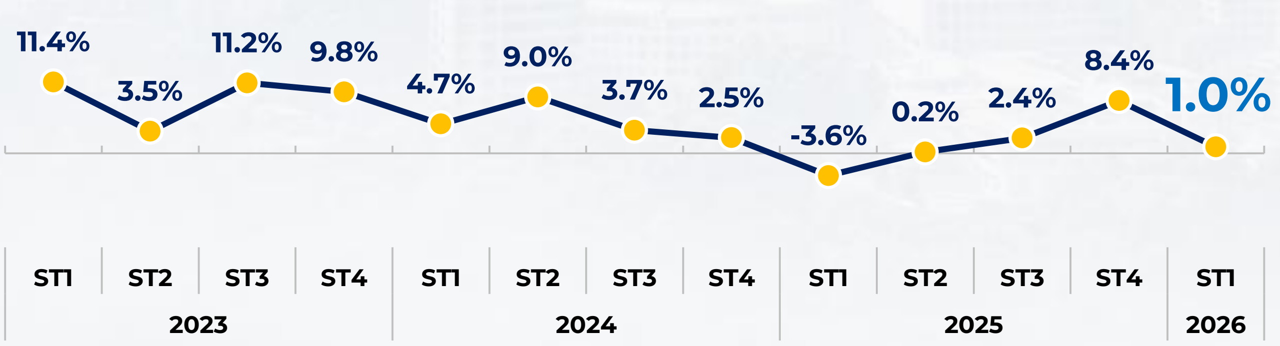
Perdagangan Borong
6.1% | -0.3%

Lain-lain Pengkhususan Jualan Borong	6.2% | -0.6%
Jualan Borong Barangan Isi Rumah	7.3% | 1.5%



Perdagangan Runcit
4.8% | 1.1%

Jualan Runcit di Kedai Bukan Pengkhususan	7.2% | 1.0%
Jualan Runcit di Kedai Pengkhususan	2.7% | 1.9%



Kenderaan Bermotor
1.0% | -13.8%

Jualan Kenderaan Bermotor	-2.8% | -25.1%
Jualan Komponen & Aksesori Kenderaan Bermotor	6.0% | 0.3%

Sumber: Indeks Volum Perdagangan Borong & Runcit, Suku Tahun Pertama 2026
Jabatan Perangkaan Malaysia (DOSM)

Peratusan Perubahan: Tahun ke Tahun (YoY)

Nota: YoY | QoQ

MINISTRY OF ECONOMY
DEPARTMENT OF STATISTICS MALAYSIA

VOLUME INDEX OF WHOLESALE & RETAIL TRADE

FIRST QUARTER 2026

The **Volume Index of Wholesale and Retail Trade** recorded a 4.9 per cent year-on-year growth and a 1.2 per cent quarter-on-quarter decline in the first quarter of 2026.

QUARTERLY PERFORMANCE

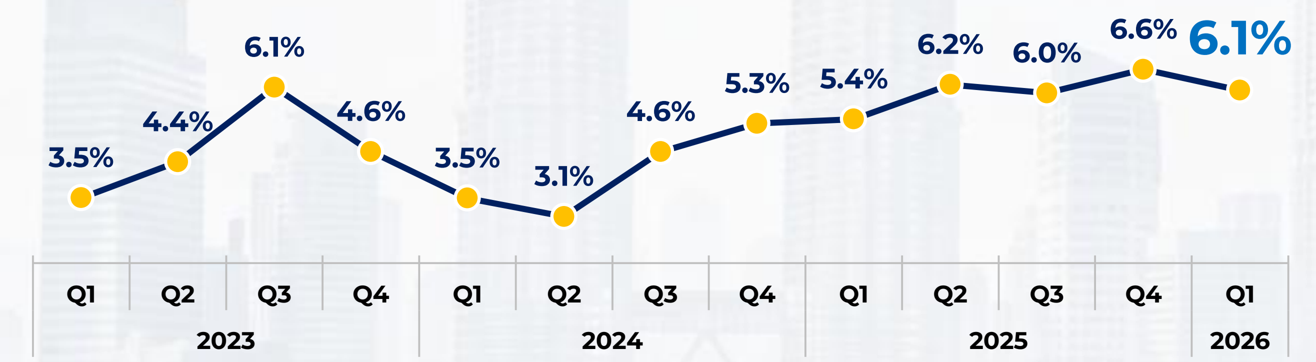
Q1 2026

Volume Index of Wholesale & Retail Trade

Percentage Change (%)

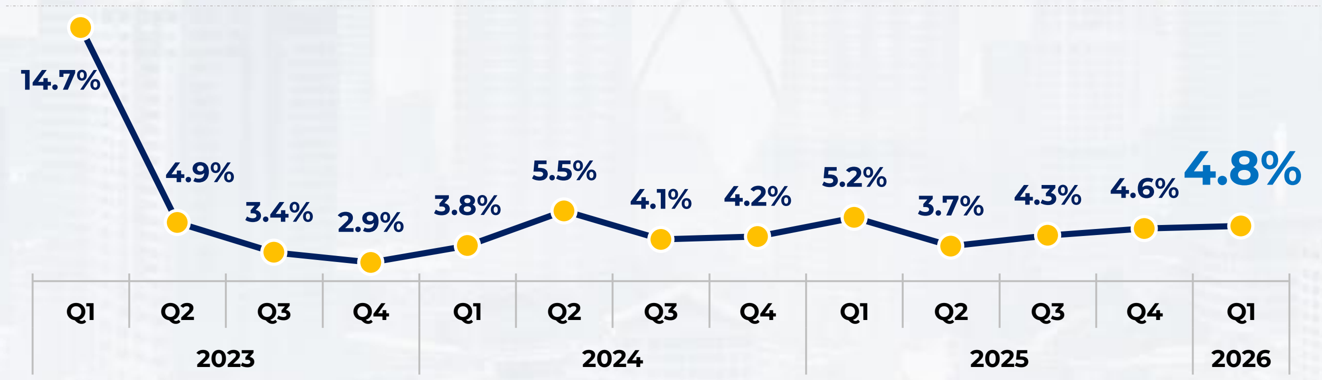
Year-on-Year (YoY)	4.9%
Quarter-on-Quarter (QoQ)	-1.2%

PERFORMANCE BY SUB-SECTOR



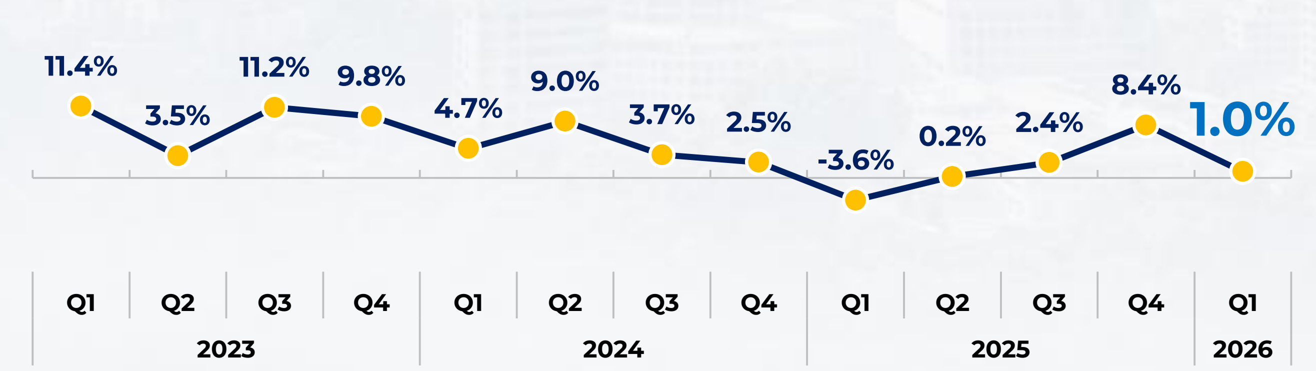
Wholesale Trade
6.1% | -0.3%

Other Specialised Wholesale Trade	6.2% | -0.6%
Wholesale of Household Goods	7.3% | 1.5%



Retail Trade
4.8% | 1.1%

Retail Sale in Non-specialised Stores	7.2% | 1.0%
Retail Sale in Specialised Stores	2.7% | 1.9%



Motor Vehicles
1.0% | -13.8%

Sale of Motor Vehicles	-2.8% | -25.1%
Sale of Motor Vehicle Parts & Accessories	6.0% | 0.3%

Source: Volume Index of Wholesale & Retail Trade, First Quarter 2026
Department of Statistics Malaysia (DOSM)

Percentage Change: Year-on-Year (YoY)

Note: YoY | QoQ

RINGKASAN PENEMUAN
Summary of Findings

INDEKS VOLUM PERDAGANGAN BORONG & RUNCIT
Volume Index of Wholesale & Retail Trade

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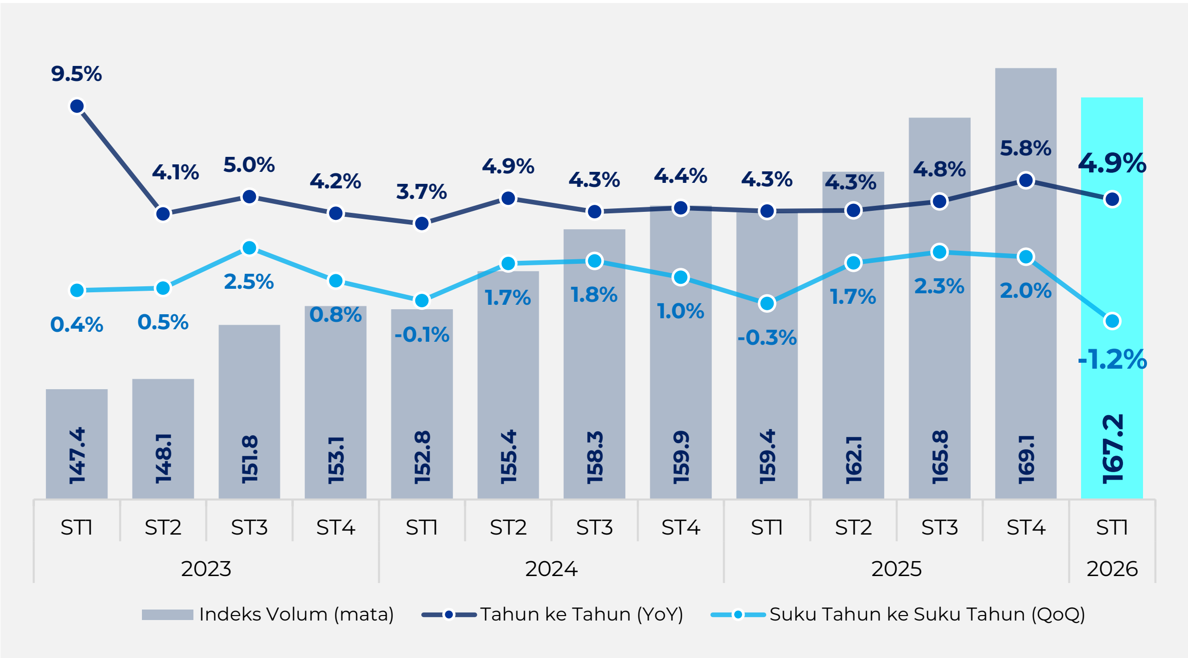
PENGENALAN

Subsektor	Indeks Volum (2015=100)		
	Indeks (mata)	YoY (%)	QoQ (%)
Perdagangan Borong & Runcit	167.2	4.9	-1.2
Perdagangan Borong	155.0	6.1	-0.3
Perdagangan Runcit	193.0	4.8	1.1
Kenderaan Bermotor	130.6	1.0	-13.8

Pada suku tahun pertama 2026, indeks volum Perdagangan borong & runcit mencatatkan peningkatan sebanyak **4.9 peratus** tahun ke tahun, mencecah **167.2 mata**. Pertumbuhan ini didorong terutamanya oleh Perdagangan borong yang merekodkan peningkatan **6.1 peratus**, diikuti oleh Perdagangan runcit dan Kenderaan bermotor masing-masing bertumbuh sebanyak **4.8 peratus** dan **1.0 peratus**.

Walau bagaimanapun, bagi perbandingan suku tahun ke suku tahun, keseluruhan indeks volum menurun **1.2 peratus**, terutamanya dipengaruhi oleh penguncupan ketara sebanyak **13.8 peratus** dalam subsektor Kenderaan bermotor. Sebaliknya, Perdagangan runcit mencatatkan pertumbuhan sederhana sebanyak **1.1 peratus**, manakala Perdagangan borong menyusut secara marginal sebanyak **0.3 peratus**.

Carta 1: Indeks Volum Perdagangan Borong & Runcit



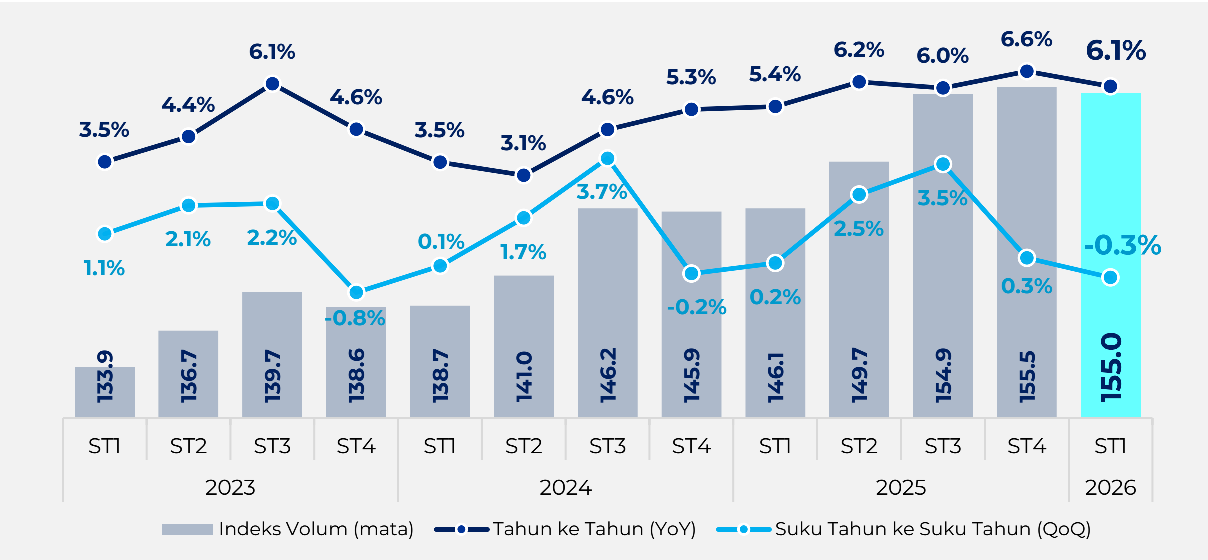
PRESTASI MENGIKUT SUBSEKTOR

PERDAGANGAN BORONG

Indeks volum bagi Perdagangan borong meningkat **6.1 peratus** tahun ke tahun kepada **155.0 mata**, disokong terutamanya oleh peningkatan **8.7 peratus** dalam Jualan borong bahan mentah pertanian & haiwan hidup. Sumbangan ketara turut dicatatkan oleh Jualan borong barangan isi rumah (**7.3%**), Jualan borong berdasarkan kontrak atau yuran (**6.9%**), Lain-lain pengkhususan jualan borong (**6.2%**) dan Jualan borong jentera, peralatan & bekalan (**5.1%**).

Secara perbandingan suku tahunan, indeks volum bagi Perdagangan borong menyusut secara marginal sebanyak **0.3 peratus**, terutamanya disebabkan oleh penurunan dalam Jualan borong jentera, peralatan & bekalan (**-5.3%**) dan Jualan borong bahan mentah pertanian & haiwan hidup (**-4.6%**).

Carta 2: Indeks Volum Perdagangan Borong

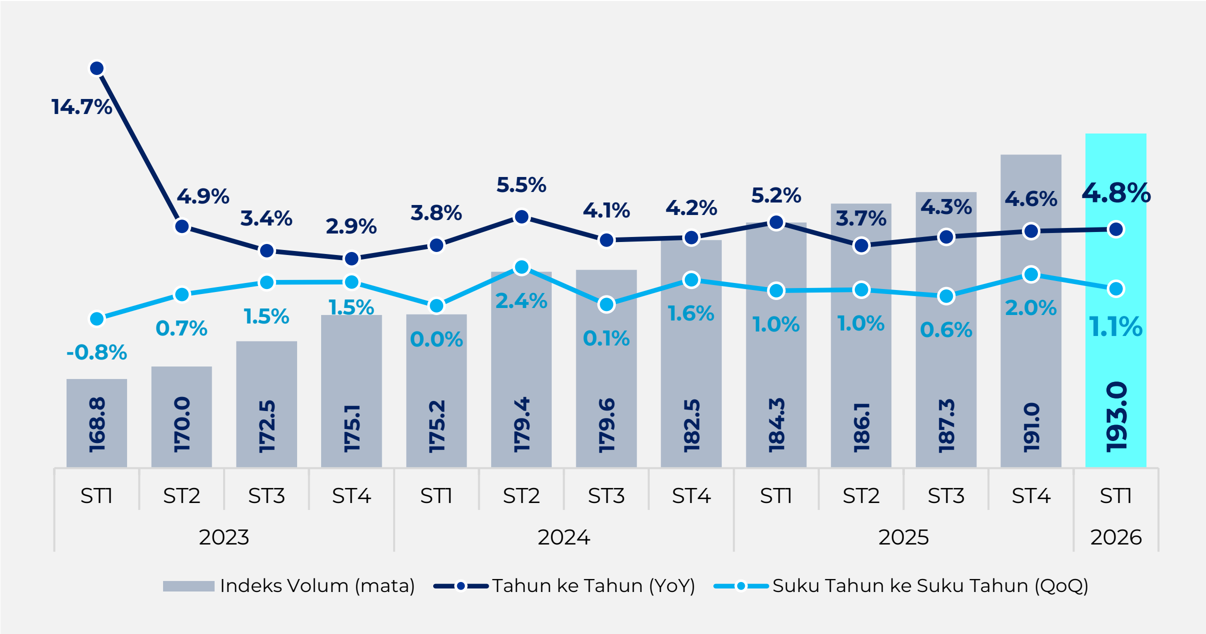


PERDAGANGAN RUNCIT

Perdagangan runcit mencatatkan pertumbuhan tahunan **4.8 peratus**, mencapai **193.0 mata**. Peningkatan ini didorong terutamanya oleh Jualan runcit bahan api kenderaan yang meningkat **8.9 peratus**. Penyumbang utama lain termasuk Jualan runcit bukan di kedai, gerai atau pasar (**7.9%**), Jualan runcit di kedai bukan pengkhususan (**7.2%**), Jualan runcit di gerai & pasar (**7.2%**) dan Jualan runcit makanan, minuman & tembakau (**5.8%**).

Bagi perbandingan suku tahunan, indeks volum bagi Perdagangan runcit meningkat **1.1 peratus**, disokong oleh Jualan runcit di gerai & pasar (**3.4%**) dan Jualan runcit makanan, minuman & tembakau (**2.4%**).

Carta 3: Indeks Volum Perdagangan Runcit

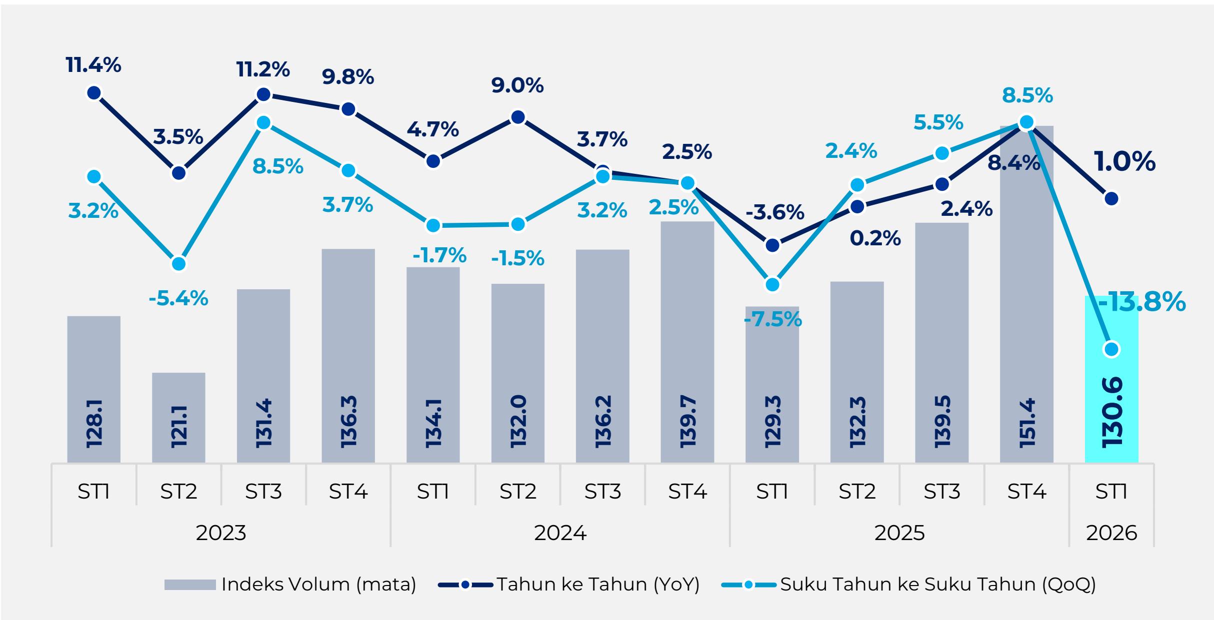


KENDERAAN BERMOTOR

Indeks volum bagi subsektor Kenderaan bermotor mencatat peningkatan **1.0 peratus** tahun ke tahun, terutamanya didorong oleh Jualan, penyelenggaraan & pembaikan motosikal yang berkembang **9.3 peratus**. Ini diikuti oleh Penyelenggaraan & pembaikan kenderaan bermotor (**6.5%**) dan Jualan alat ganti & aksesori kenderaan bermotor (**6.0%**).

Sebaliknya, bagi perbandingan suku tahunan, subsektor ini menguncup **13.8 peratus**, terutamanya disebabkan oleh prestasi lemah dalam Jualan kenderaan bermotor (**-25.1%**).

Carta 4: Indeks Volum Kenderaan Bermotor



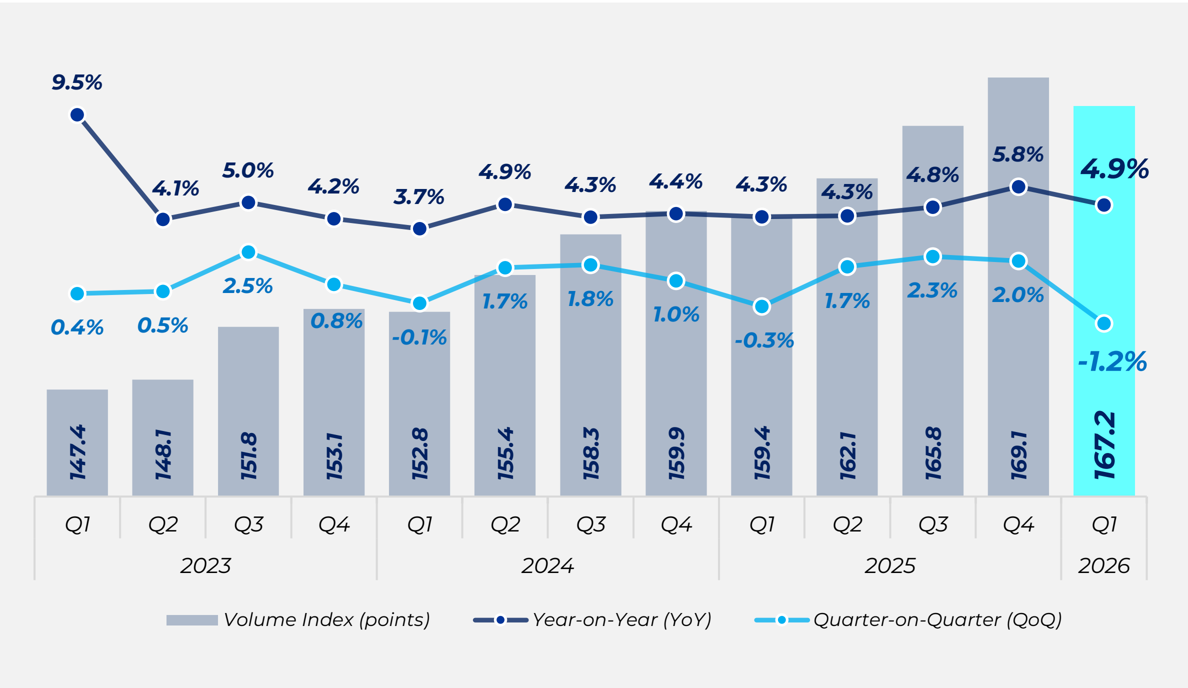
INTRODUCTION

Sub-sector	*Volume Index (2015=100)*		
	Index (points)	*YoY (%)*	*QoQ (%)*
Wholesale & Retail Trade	*167.2*	*4.9*	*-1.2*
Wholesale Trade	*155.0*	*6.1*	*-0.3*
Retail Trade	*193.0*	*4.8*	*1.1*
Motor Vehicles	*130.6*	*1.0*	*-13.8*

*In the first quarter of 2026, the volume index of Wholesale & retail trade recorded a year-on-year increase of **4.9 per cent**, reaching **167.2 points**. This growth was mainly driven by Wholesale trade, which posted a **6.1 per cent** increase, followed by Retail trade and Motor vehicles, which grew by **4.8 per cent** and **1.0 per cent**, respectively.*

*However, on a quarter-on-quarter basis, the overall volume index declined by **1.2 per cent**, mainly attributed to a sharp contraction of **13.8 per cent** in the Motor vehicles sub-sector. In contrast, Retail trade recorded moderate growth of **1.1 per cent**, while Wholesale trade edged down marginally by **0.3 per cent**.*

Chart 1: Volume Index of Wholesale & Retail Trade



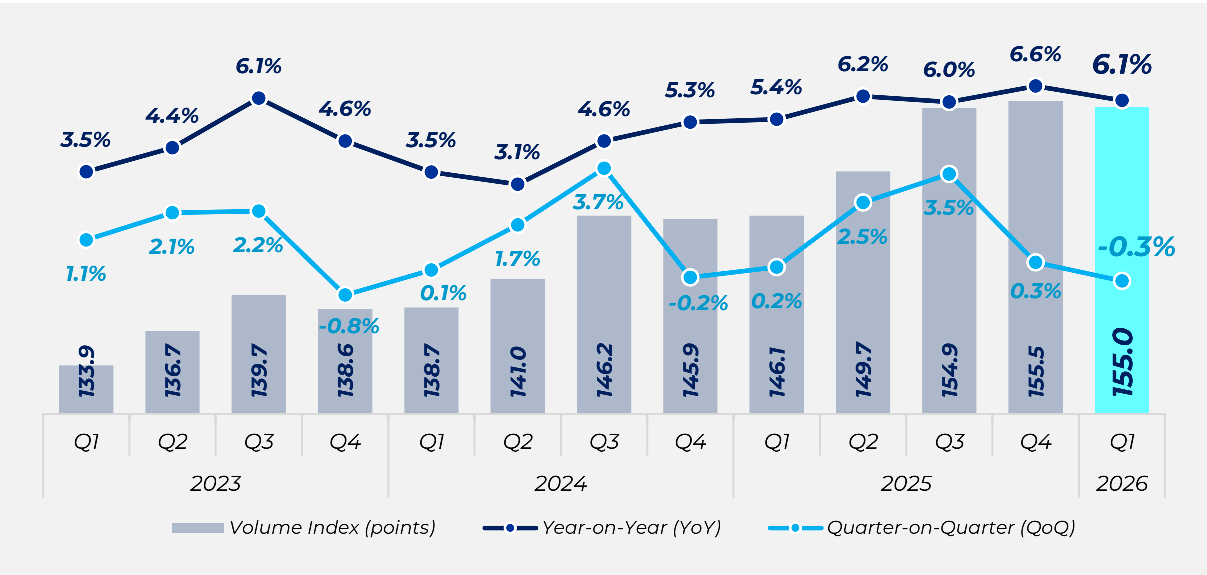
PERFORMANCE BY SUB-SECTOR

WHOLESALE TRADE

*The volume index for the Wholesale trade rose **6.1 per cent** year-on-year to **155.0 points**, supported primarily by an **8.7 per cent** increase in the Wholesale of agricultural raw materials & live animals. Notable contributions also came from Wholesale of household goods (**7.3%**), Wholesale on a fee or contract basis (**6.9%**), Other specialised wholesale (**6.2%**), and Wholesale of machinery, equipment & supplies (**5.1%**).*

*On a quarterly basis, the volume index for Wholesale trade edged down marginally by **0.3 per cent**, primarily attributed to declines in Wholesale of machinery, equipment & supplies (**-5.3%**) and Wholesale of agricultural raw materials & live animals (**-4.6%**).*

Chart 2: Volume Index of Wholesale Trade

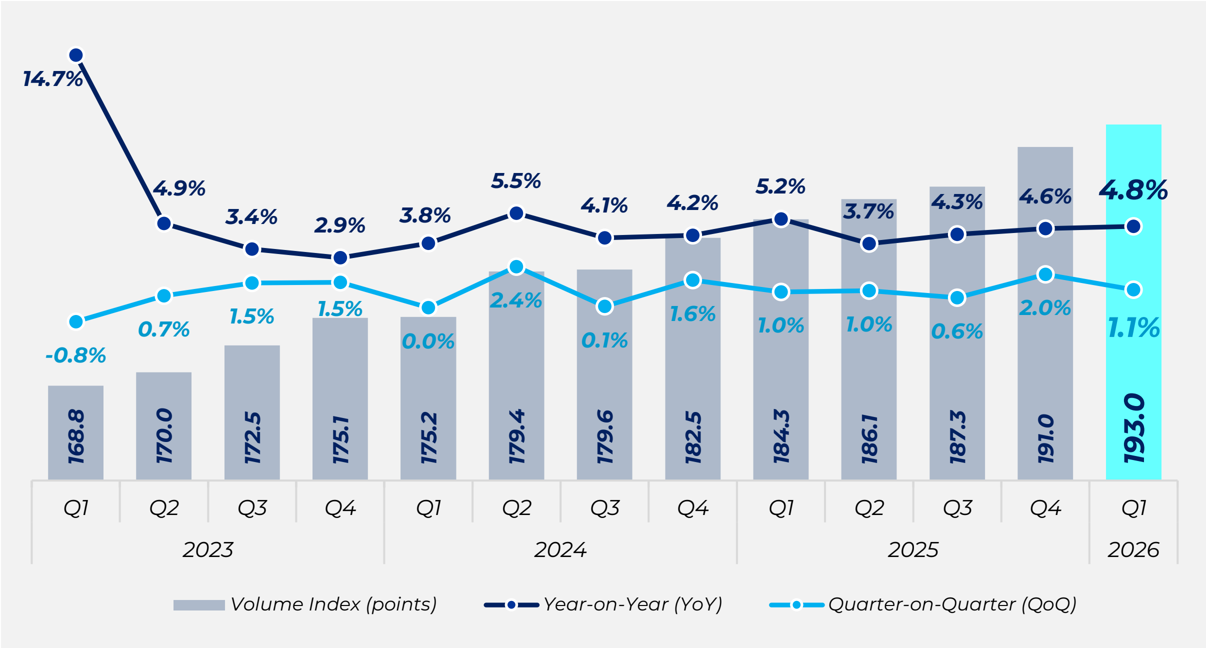


RETAIL TRADE

*Retail trade recorded a year-on-year growth of **4.8 per cent**, reaching **193.0 points**. This expansion was mainly driven by Retail sales of automotive fuel, which increased **8.9 per cent**. Other key contributors included Retail sales not in stores, stalls or markets (**7.9%**), Retail sales in non-specialised stores (**7.2%**), Retail sales via stalls & markets (**7.2%**), and Retail sales of food, beverages & tobacco (**5.8%**).*

*For quarter-on-quarter comparison, the volume index for Retail trade grew **1.1 per cent** supported by Retail sales via stalls & market (**3.4%**) and Retail sales of food, beverages & tobacco (**2.4%**) .*

Chart 3: Volume Index of Retail Trade

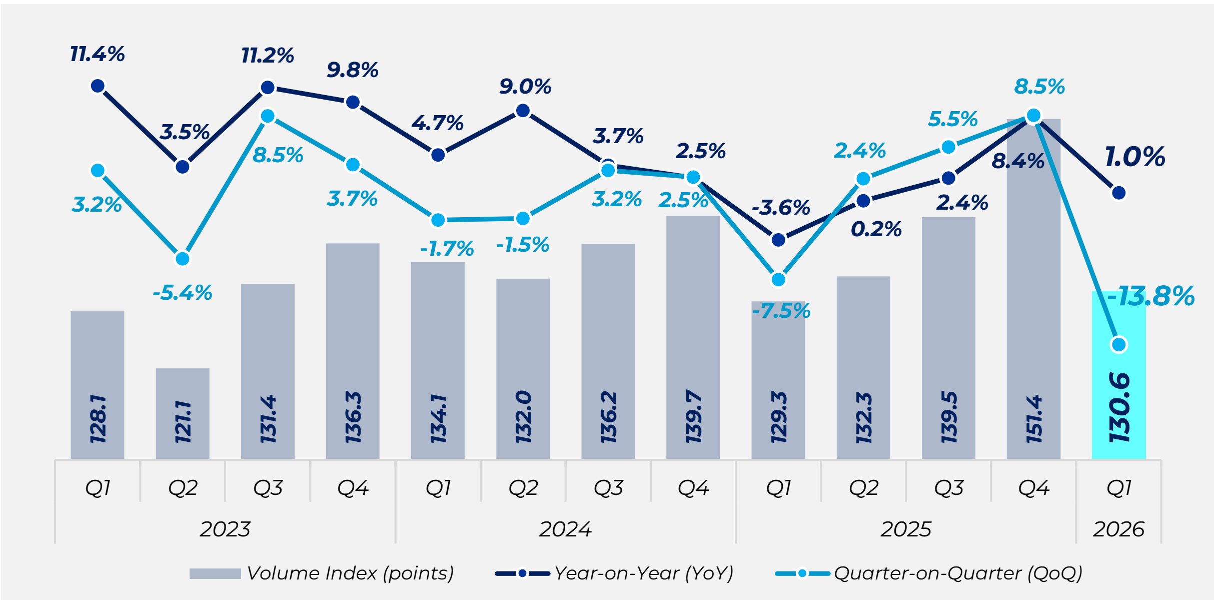


MOTOR VEHICLES

*The volume index for the Motor vehicles sub-sector recorded a year-on-year increase of **1.0 per cent**, mainly driven by Sales, maintenance & repair of motorcycles, which expanded by **9.3 per cent**. This was followed by Maintenance & repair of motor vehicles (**6.5%**) and Sales of motor vehicle parts & accessories (**6.0%**).*

*Conversely, on a quarter-on-quarter basis, the sub-sector contracted by **13.8 per cent**, primarily attributed to weaker performance in Sales of motor vehicles (**-25.1%**).*

Chart 4: Volume Index of Motor Vehicles



JADUAL
Tables

INDEKS VOLUM PERDAGANGAN BORONG & RUNCIT
Volume Index of Wholesale & Retail Trade

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Jadual 1 : Indeks Volum Perdagangan Borong & Runcit, Suku Tahun Pertama 2026
Table 1 : Volume Index of Wholesale & Retail Trade, First Quarter 2026

Kod *Code*	Subsektor *Sub-sector*	Indeks Volum *Volume Index* (2015=100)					
		Wajaran** *Weight***	Asal[p] *Original*[p]	% Perubahan *Change* QoQ	% Perubahan *Change* YoY	Pelarasan Musim[p] *Seasonally Adjusted*[p]	% Perubahan *Change* QoQ
4 *	**PERDAGANGAN BORONG & RUNCIT** *WHOLESALE & RETAIL TRADE*	**100.0**	**167.2**	**-1.2**	**4.9**	**167.2**	**-1.2**
45*	**Kenderaan Bermotor** *Motor Vehicles*	**11.0**	**130.6**	**-13.8**	**1.0**	**130.6**	**-13.8**
451*	**Jualan Kenderaan Bermotor** *Sale of Motor Vehicles*	5.0	119.7	-25.1	-2.8	119.7	-25.1
452*	**Penyelenggaraan dan Pembaikan Kenderaan Bermotor** *Maintenance and Repair of Motor Vehicles*	1.9	140.8	-1.9	6.5	140.8	-1.9
453*	**Jualan Komponen dan Aksesori Kenderaan Bermotor** *Sale of Motor Vehicles Parts and Accessories*	3.0	181.5	0.3	6.0	181.5	0.3
454*	**Jualan, Penyelenggaraan dan Pembaikan Motosikal dan Komponen dan Aksesori Berkaitan** *Sale, Maintenance and Repair of Motorcycles and Related Parts and Accessories*	1.1	106.6	5.4	9.3	106.6	5.4
46*	**Perdagangan Borong** *Wholesale Trade*	**44.0**	**155.0**	**-0.3**	**6.1**	**155.0**	**-0.3**
461	**Jual Borong Berdasarkan Kontrak atau Yuran** *Wholesale on a Fee or Contract Basis*	2.4	135.7	-0.8	6.9	136.6	0.9
462	**Jual Borong Bahan Mentah Pertanian dan Haiwan Hidup** *Wholesale of Agricultural Raw Materials and Live Animals*	2.1	164.2	-4.6	8.7	169.8	0.2
463*	**Jualan Borong Makanan, Minuman dan Tembakau** *Wholesale of Food, Beverages and Tobacco*	7.4	170.5	2.5	3.6	170.5	2.5
464	**Jualan Borong Barangan Isi Rumah** *Wholesale of Household Goods*	9.3	169.9	1.5	7.3	171.1	1.9
465*	**Jualan Borong Jentera, Peralatan dan Bekalan** *Wholesale of Machinery, Equipment and Supplies*	5.4	138.7	-5.3	5.1	138.7	-5.3
466	**Lain-lain Pengkhususan Jualan Borong** *Other Specialised Wholesale*	15.9	145.4	-0.6	6.2	148.3	1.1
469	**Perdagangan Borong Tanpa Pengkhususan** *Non - specialised Wholesale Trade*	1.4	156.9	-1.0	5.1	159.6	0.2
47*	**Perdagangan Runcit** *Retail Trade*	**45.0**	**193.0**	**1.1**	**4.8**	**193.0**	**1.1**
471*	**Jualan Runcit di Kedai Bukan Pengkhususan** *Retail Sale in Non-specialised Stores*	12.0	221.3	1.0	7.2	221.3	1.0
472*	**Jualan Runcit Makanan, Minuman dan Tembakau di Kedai Pengkhususan** *Retail Sale of Food, Beverages and Tobacco in Specialised Stores*	3.0	219.5	2.4	5.8	219.5	2.4
473	**Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan** *Retail Sale of Automotive Fuel in Specialised Stores*	1.8	237.4	1.3	8.9	239.1	1.6
474*	**Jualan Runcit di Kedai Khusus yang Menjual Peralatan Komunikasi dan Maklumat** *Retail Sale of Information and Communications Equipment in Specialised Stores*	5.1	180.6	-0.6	5.7	180.6	-0.6
475*	**Jualan Runcit di Kedai Khusus yang Menjual Peralatan Lain Isi Rumah** *Retail Sale of Other Household Equipment in Specialised Stores*	7.5	150.6	0.1	3.0	150.6	0.1
476	**Jualan Runcit di Kedai Khusus yang Menjual Barangan Kesenian dan Rekreasi** *Retail Sale of Cultural and Recreation Goods in Specialised Stores*	3.1	161.7	0.0	2.7	162.9	2.1
477*	**Jualan Runcit di Kedai Khusus yang Menjual Barang Lain** *Retail Sale of Other Goods in Specialised Stores*	11.9	195.8	1.9	2.7	195.8	1.9
478*	**Jualan Runcit di Gerai dan Pasar** *Retail Sale via Stalls and Markets*	0.1	220.5	3.4	7.2	220.5	3.4
479*	**Jualan Runcit Bukan di Kedai, Gerai atau Pasar** *Retail Sale Not in Stores, Stalls or Markets*	0.6	239.8	1.9	7.9	239.8	1.9

p **Data awalan**
Preliminary data

* **Indeks volum pelarasan bermusim adalah sama dengan indeks asal kerana tiada corak bermusim dikesan pada siri data**
Seasonally adjusted volume index is the same as original index because no seasonal pattern is detected in the data series

** **Bermula daripada suku tahun pertama 2023, wajaran yang digunapakai dalam pengiraan Indeks volum Perdagangan Borong & Runcit adalah wajaran baru yang diperoleh daripada Banci Perdagangan Borong & Runcit 2019 (tahun rujukan 2018)**
Commencing in first quarter 2023, the weights used in the calculation of the Volume Index of Wholesale & Retail Trade obtained from the Wholesale & Retail Trade Census 2019 (reference year 2018)

Jadual 2 : Indeks Volum Perdagangan Borong & Runcit mengikut Subsektor

Table 2 : Volume Index of Wholesale & Retail Trade by Sub-sector

Subsektor		Perdagangan Borong & Runcit 4*		Kenderaan Bermotor 45*		Perdagangan Borong 46*		Perdagangan Runcit 47*	
Indeks Volum *Volume Index* **(2015=100)**		**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*	**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*	**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*	**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*
Tempoh *Period*	**Wajaran** *Weight*	**100.0**		**11.0**		**44.0**		**45.0**	
2022		142.1		118.6		131.1		161.6	
2023		150.1		129.2		137.2		171.6	
2024		156.6		135.5		142.9		179.2	
2025		164.1		138.1		151.6		187.2	
2023	**ST1**/*Q1*	147.4	147.4	128.1	128.1	133.9	133.9	168.8	168.8
	ST2/*Q2*	148.1	148.1	121.1	121.1	136.7	136.7	170.0	170.0
	ST3/*Q3*	151.8	151.8	131.4	131.4	139.7	139.7	172.5	172.5
	ST4/*Q4*	153.1	153.1	136.3	136.3	138.6	138.6	175.1	175.1
2024	**ST1**/*Q1*	152.8	152.8	134.1	134.1	138.7	138.7	175.2	175.2
	ST2/*Q2*	155.4	155.4	132.0	132.0	141.0	141.0	179.4	179.4
	ST3/*Q3*	158.3	158.3	136.2	136.2	146.2	146.2	179.6	179.6
	ST4/*Q4*	159.9	159.9	139.7	139.7	145.9	145.9	182.5	182.5
2025	**ST1**/*Q1*	159.4	159.4	129.3	129.3	146.1	146.1	184.3	184.3
	ST2/*Q2*	162.1	162.1	132.3	132.3	149.7	149.7	186.1	186.1
	ST3/*Q3*	165.8	165.8	139.5	139.5	154.9	154.9	187.3	187.3
	ST4/*Q4*	169.1	169.1	151.4	151.4	155.5	155.5	191.0	191.0
2026	**ST1**/*Q1*	167.2	167.2	130.6	130.6	155.0	155.0	193.0	193.0
					%Perubahan *Changes*	**(YoY)**			
2022		14.3		39.2		3.6		19.2	
2023		5.6		9.0		4.7		6.2	
2024		4.3		4.9		4.1		4.4	
2025		4.8		1.9		6.1		4.5	
2023	**ST1**/*Q1*	9.5		11.4		3.5		14.7	
	ST2/*Q2*	4.1		3.5		4.4		4.9	
	ST3/*Q3*	5.0		11.2		6.1		3.4	
	ST4/*Q4*	4.2		9.8		4.6		2.9	
2024	**ST1**/*Q1*	3.7		4.7		3.5		3.8	
	ST2/*Q2*	4.9		9.0		3.1		5.5	
	ST3/*Q3*	4.3		3.7		4.6		4.1	
	ST4/*Q4*	4.4		2.5		5.3		4.2	
2025	**ST1**/*Q1*	4.3		-3.6		5.4		5.2	
	ST2/*Q2*	4.3		0.2		6.2		3.7	
	ST3/*Q3*	4.8		2.4		6.0		4.3	
	ST4/*Q4*	5.8		8.4		6.6		4.6	
2026	**ST1**/*Q1*	4.9		1.0		6.1		4.8	
					% Perubahan *Changes*	**(QoQ)**			
2023	**ST1**/*Q1*	0.4	0.4	3.2	3.2	1.1	1.1	-0.8	-0.8
	ST2/*Q2*	0.5	0.5	-5.4	-5.4	2.1	2.1	0.7	0.7
	ST3/*Q3*	2.5	2.5	8.5	8.5	2.2	2.2	1.5	1.5
	ST4/*Q4*	0.8	0.8	3.7	3.7	-0.8	-0.8	1.5	1.5
2024	**ST1**/*Q1*	-0.1	-0.1	-1.7	-1.7	0.1	0.1	0.0	0.0
	ST2/*Q2*	1.7	1.7	-1.5	-1.5	1.7	1.7	2.4	2.4
	ST3/*Q3*	1.8	1.8	3.2	3.2	3.7	3.7	0.1	0.1
	ST4/*Q4*	1.0	1.0	2.5	2.5	-0.2	-0.2	1.6	1.6
2025	**ST1**/*Q1*	-0.3	-0.3	-7.5	-7.5	0.2	0.2	1.0	1.0
	ST2/*Q2*	1.7	1.7	2.4	2.4	2.5	2.5	1.0	1.0
	ST3/*Q3*	2.3	2.3	5.5	5.5	3.5	3.5	0.6	0.6
	ST4/*Q4*	2.0	2.0	8.5	8.5	0.3	0.3	2.0	2.0
2026	**ST1**/*Q1*	-1.2	-1.2	-13.8	-13.8	-0.3	-0.3	1.1	1.1
Sub-sector		*Wholesale & Retail Trade*		*Motor Vehicles*		*Wholesale Trade*		*Retail Trade*	

[p] **Data awalan**
Preliminary data

[r] **Kemaskini dibuat berdasarkan data terkini yang diperoleh**
Revisions made based on the latest data available

* **Indeks volum pelarasan musim adalah sama dengan indeks asal kerana tiada corak bermusim dikesan pada siri data**
Seasonally adjusted volume index is the same as original index because no seasonal pattern is detected in the data series

Jadual 3 : Indeks Volum Kenderaan Bermotor mengikut Kumpulan

Table 3 : Volume Index of Motor Vehicles by Group

Subsektor		Jualan Kenderaan Bermotor 451*		Penyelenggaraan & Pembaikan Kenderaan Bermotor 452*		Jualan Komponen & Aksesori Kenderaan Bermotor 453*		Jualan, Penyelenggaraan & Pembaikan Motosikal & Komponen & Aksesori Berkaitan 454*	
Indeks Volum *Volume Index* **(2015=100)**		**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*	**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*	**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*	**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*
Tempoh *Period*	**Wajaran** *Weight*	**5.0**		**1.9**		**3.0**		**1.1**	
2022		119.2		116.1		136.1		107.1	
2023		131.2		130.6		154.2		91.6	
2024		135.1		137.5		168.8		95.7	
2025		137.2		138.3		174.7		99.8	
2023	**ST1**/*Q1*	127.3	127.3	125.6	125.6	146.8	146.8	100.6	100.6
	ST2/*Q2*	117.3	117.3	130.4	130.4	154.2	154.2	95.2	95.2
	ST3/*Q3*	135.1	135.1	133.0	133.0	157.7	157.7	87.7	87.7
	ST4/*Q4*	144.9	144.9	133.2	133.2	158.1	158.1	83.0	83.0
2024	**ST1**/*Q1*	132.8	132.8	136.3	136.3	164.5	164.5	96.7	96.7
	ST2/*Q2*	128.3	128.3	138.5	138.5	169.2	169.2	90.7	90.7
	ST3/*Q3*	136.3	136.3	138.1	138.1	169.8	169.8	99.6	99.6
	ST4/*Q4*	143.1	143.1	136.9	136.9	171.8	171.8	95.9	95.9
2025	**ST1**/*Q1*	123.1	123.1	132.2	132.2	171.1	171.1	97.5	97.5
	ST2/*Q2*	127.4	127.4	135.8	135.8	172.0	172.0	97.5	97.5
	ST3/*Q3*	138.5	138.5	141.6	141.6	174.8	174.8	103.1	103.1
	ST4/*Q4*	159.7	159.7	143.5	143.5	181.0	181.0	101.1	101.1
2026	**ST1**/*Q1*	119.7	119.7	140.8	140.8	181.5	181.5	106.6	106.6
%Perubahan *Changes* **(YoY)**									
2022		38.0		53.6		58.2		18.0	
2023		10.0		12.4		13.3		-14.4	
2024		3.0		5.3		9.5		4.5	
2025		1.5		0.6		3.5		4.3	
2023	**ST1**/*Q1*	13.7		12.3		12.4		-4.6	
	ST2/*Q2*	0.1		13.8		13.8		-23.7	
	ST3/*Q3*	13.1		13.3		14.9		-15.8	
	ST4/*Q4*	13.1		10.3		12.1		-11.6	
2024	**ST1**/*Q1*	4.3		8.5		12.1		-3.9	
	ST2/*Q2*	9.4		6.2		9.7		-4.7	
	ST3/*Q3*	0.9		3.8		7.7		13.6	
	ST4/*Q4*	-1.3		2.8		8.7		15.5	
2025	**ST1**/*Q1*	-7.3		-3.0		4.0		0.8	
	ST2/*Q2*	-0.7		-2.0		1.7		7.5	
	ST3/*Q3*	1.6		2.5		2.9		3.5	
	ST4/*Q4*	11.6		4.8		5.4		5.5	
2026	**ST1**/*Q1*	-2.8		6.5		6.0		9.3	
% Perubahan *Changes* **(QoQ)**									
2023	**ST1**/*Q1*	-0.7	-0.7	4.0	4.0	4.1	4.1	7.1	7.1
	ST2/*Q2*	-7.8	-7.8	3.9	3.9	5.0	5.0	-5.4	-5.4
	ST3/*Q3*	15.2	15.2	2.0	2.0	2.3	2.3	-7.9	-7.9
	ST4/*Q4*	7.3	7.3	0.1	0.1	0.2	0.2	-5.4	-5.4
2024	**ST1**/*Q1*	-8.4	-8.4	2.3	2.3	4.1	4.1	16.6	16.6
	ST2/*Q2*	-3.3	-3.3	1.7	1.7	2.8	2.8	-6.2	-6.2
	ST3/*Q3*	6.2	6.2	-0.3	-0.3	0.4	0.4	9.8	9.8
	ST4/*Q4*	5.0	5.0	-0.9	-0.9	1.1	1.1	-3.8	-3.8
2025	**ST1**/*Q1*	-14.0	-14.0	-3.5	-3.5	-0.4	-0.4	1.7	1.7
	ST2/*Q2*	3.5	3.5	2.7	2.7	0.5	0.5	0.0	0.0
	ST3/*Q3*	8.7	8.7	4.2	4.2	1.6	1.6	5.7	5.7
	ST4/*Q4*	15.3	15.3	1.4	1.4	3.5	3.5	-1.9	-1.9
2026	**ST1**/*Q1*	-25.1	-25.1	-1.9	-1.9	0.3	0.3	5.4	5.4
Sub-sector		*Sale of Motor Vehicles*		*Maintenance & Repair of Motor Vehicles*		*Sale of Motor Vehicles Parts & Accessories*		*Sale, Maintenance & Repair of Motorcycles & Related Parts & Accessories*	

[p] **Data awalan**
Preliminary data

[r] **Kemaskini dibuat berdasarkan data terkini yang diperoleh**
Revisions made based on the latest data available

* **Indeks volum pelarasan musim adalah sama dengan indeks asal kerana tiada corak bermusim dikesan pada siri data**
Seasonally adjusted volume index is the same as original index because no seasonal pattern is detected in the data series

Jadual 4 : Indeks Volum Perdagangan Borong mengikut Kumpulan
Table 4 : Volume Index of Wholesale Trade by Group

Subsektor		Jual Borong Berdasarkan Kontrak atau Yuran 461		Jual Borong Bahan Mentah Pertanian & Haiwan Hidup 462		Jualan Borong Makanan, Minuman & Tembakau 463*		Jualan Borong Barangan Isi Rumah 464	
Indeks Volum *Volume Index* **(2015=100)**		**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*	**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*	**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*	**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*
Tempoh *Period*	**Wajaran** *Weight*	**2.4**		**2.1**		**7.4**		**9.3**	
2022		109.8		129.6		141.6		143.3	
2023		118.4		142.6		150.1		150.0	
2024		125.7		153.7		159.1		154.5	
2025		133.2		162.4		166.0		164.3	
2023	**ST1**/*Q1*	117.9	118.6	135.7	140.4	151.9	151.9	149.2	150.0
	ST2/*Q2*	120.4	119.1	141.0	142.0	147.2	147.2	149.8	149.6
	ST3/*Q3*	115.6	117.5	147.5	144.0	150.3	150.3	149.4	148.1
	ST4/*Q4*	119.7	118.4	146.0	143.8	150.8	150.8	151.7	152.2
2024	**ST1**/*Q1*	120.6	121.4	142.5	147.3	158.9	158.9	150.8	151.8
	ST2/*Q2*	125.7	124.3	150.6	151.7	157.9	157.9	153.3	153.2
	ST3/*Q3*	127.2	129.3	158.6	154.8	161.4	161.4	157.5	156.1
	ST4/*Q4*	129.1	127.7	163.2	160.7	158.4	158.4	156.3	156.7
2025	**ST1**/*Q1*	126.9	127.8	151.1	156.2	164.6	164.6	158.4	159.4
	ST2/*Q2*	133.1	131.6	159.7	160.9	165.9	165.9	163.5	163.4
	ST3/*Q3*	135.9	138.1	166.6	162.7	166.9	166.9	168.0	166.5
	ST4/*Q4*	136.8	135.3	172.2	169.5	166.4	166.4	167.4	167.9
2026	**ST1**/*Q1*	135.7	136.6	164.2	169.8	170.5	170.5	169.9	171.1
					%Perubahan *Changes*	**(YoY)**			
2022		8.1		8.4		2.3		14.0	
2023		7.8		10.0		6.0		4.7	
2024		6.1		7.8		6.1		3.0	
2025		6.0		5.6		4.3		6.4	
2023	**ST1**/*Q1*	8.1		11.4		9.1		10.3	
	ST2/*Q2*	12.2		9.3		6.4		3.8	
	ST3/*Q3*	9.4		10.9		7.2		1.7	
	ST4/*Q4*	2.2		8.4		1.5		3.3	
2024	**ST1**/*Q1*	2.4		5.0		4.6		1.1	
	ST2/*Q2*	4.4		6.8		7.3		2.3	
	ST3/*Q3*	10.0		7.5		7.4		5.4	
	ST4/*Q4*	7.8		11.8		5.0		3.0	
2025	**ST1**/*Q1*	5.2		6.0		3.6		5.0	
	ST2/*Q2*	5.9		6.0		5.1		6.7	
	ST3/*Q3*	6.8		5.1		3.4		6.6	
	ST4/*Q4*	6.0		5.5		5.0		7.1	
2026	**ST1**/*Q1*	6.9		8.7		3.6		7.3	
					% Perubahan *Changes*	**(QoQ)**			
2023	**ST1**/*Q1*	0.6	2.5	0.8	5.9	2.2	2.2	1.6	1.6
	ST2/*Q2*	2.2	0.4	3.8	1.1	-3.1	-3.1	0.4	-0.3
	ST3/*Q3*	-4.0	-1.3	4.7	1.4	2.1	2.1	-0.2	-1.0
	ST4/*Q4*	3.5	0.8	-1.0	-0.2	0.3	0.3	1.5	2.8
2024	**ST1**/*Q1*	0.7	2.5	-2.4	2.5	5.3	5.3	-0.6	-0.2
	ST2/*Q2*	4.2	2.4	5.6	2.9	-0.6	-0.6	1.6	0.9
	ST3/*Q3*	1.2	4.0	5.3	2.1	2.2	2.2	2.8	1.9
	ST4/*Q4*	1.5	-1.2	2.9	3.8	-1.9	-1.9	-0.8	0.4
2025	**ST1**/*Q1*	-1.7	0.1	-7.4	-2.8	4.0	4.0	1.4	1.7
	ST2/*Q2*	4.9	3.0	5.7	3.0	0.8	0.8	3.2	2.5
	ST3/*Q3*	2.1	4.9	4.4	1.1	0.6	0.6	2.7	1.9
	ST4/*Q4*	0.7	-2.0	3.3	4.2	-0.3	-0.3	-0.3	0.9
2026	**ST1**/*Q1*	-0.8	0.9	-4.6	0.2	2.5	2.5	1.5	1.9
Sub-sector		*Wholesale on a Fee or Contract Basis*		*Wholesale of Agricultural Raw Materials & Live Animals*		*Wholesale of Food, Beverages & Tobacco*		*Wholesale of Household Goods*	

p **Data awalan**
Preliminary data
r **Kemaskini dibuat berdasarkan data terkini yang diperoleh**
Revisions made based on the latest data available
* **Indeks volum pelarasan musim adalah sama dengan indeks asal kerana tiada corak bermusim dikesan pada siri data**
Seasonally adjusted volume index is the same as original index because no seasonal pattern is detected in the data series

Jadual 4 (samb.) : **Indeks Volum Perdagangan Borong mengikut Kumpulan**

Table 4 (cont'd) : *Volume Index of Wholesale Trade by Group*

Subsektor		Jualan Borong Jentera, Peralatan & Bekalan 465*		Lain-Lain Pengkhususan Jualan Borong 466		Perdagangan Borong Tanpa Pengkhususan 469	
Indeks Volum *Volume Index* **(2015=100)**		**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*	**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*	**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*
Tempoh *Period*	**Wajaran** *Weight*	**5.4**		**15.9**		**1.4**	
2022		122.8		125.7		130.7	
2023		123.7		130.2		137.3	
2024		127.5		134.6		145.0	
2025		139.1		142.1		156.2	
2023	**ST1**/*Q1*	120.2	120.2	122.3	124.8	133.7	136.0
	ST2/*Q2*	125.4	125.4	129.2	129.9	139.9	138.0
	ST3/*Q3*	124.1	124.1	137.9	134.2	138.5	137.3
	ST4/*Q4*	125.0	125.0	131.3	131.7	137.0	137.8
2024	**ST1**/*Q1*	119.2	119.2	131.1	133.8	136.8	139.1
	ST2/*Q2*	122.8	122.8	132.4	133.1	144.9	142.9
	ST3/*Q3*	133.5	133.5	137.3	133.6	149.7	148.4
	ST4/*Q4*	134.4	134.4	137.7	138.1	148.4	149.2
2025	**ST1**/*Q1*	131.9	131.9	136.9	139.6	149.2	151.8
	ST2/*Q2*	134.4	134.4	139.1	139.8	157.4	155.2
	ST3/*Q3*	143.6	143.6	145.9	141.9	160.0	158.6
	ST4/*Q4*	146.4	146.4	146.3	146.7	158.4	159.3
2026	**ST1**/*Q1*	138.7	138.7	145.4	148.3	156.9	159.6
				%Perubahan *Changes*		**(YoY)**	
2022		4.7		-3.1		0.8	
2023		0.7		3.6		5.0	
2024		3.1		3.4		5.6	
2025		9.1		5.5		7.8	
2023	**ST1**/*Q1*	-1.8		-4.9		3.7	
	ST2/*Q2*	1.3		2.1		7.7	
	ST3/*Q3*	0.7		9.8		6.1	
	ST4/*Q4*	2.4		7.7		2.7	
2024	**ST1**/*Q1*	-0.8		7.2		2.3	
	ST2/*Q2*	-2.1		2.5		3.6	
	ST3/*Q3*	7.6		-0.4		8.1	
	ST4/*Q4*	7.6		4.9		8.3	
2025	**ST1**/*Q1*	10.6		4.4		9.1	
	ST2/*Q2*	9.5		5.0		8.6	
	ST3/*Q3*	7.5		6.3		6.9	
	ST4/*Q4*	8.9		6.3		6.7	
2026	**ST1**/*Q1*	5.1		6.2		5.1	
				% Perubahan *Changes*		**(QoQ)**	
2023	**ST1**/*Q1*	-1.5	-1.5	0.3	2.0	0.2	1.4
	ST2/*Q2*	4.3	4.3	5.7	4.1	4.6	1.5
	ST3/*Q3*	-1.0	-1.0	6.7	3.3	-1.0	-0.5
	ST4/*Q4*	0.7	0.7	-4.8	-1.8	-1.1	0.4
2024	**ST1**/*Q1*	-4.6	-4.6	-0.2	1.5	-0.2	1.0
	ST2/*Q2*	3.0	3.0	1.0	-0.5	5.9	2.7
	ST3/*Q3*	8.8	8.8	3.7	0.4	3.3	3.8
	ST4/*Q4*	0.7	0.7	0.3	3.4	-0.9	0.6
2025	**ST1**/*Q1*	-1.9	-1.9	-0.6	1.1	0.6	1.8
	ST2/*Q2*	1.8	1.8	1.6	0.1	5.4	2.2
	ST3/*Q3*	6.9	6.9	4.9	1.6	1.7	2.2
	ST4/*Q4*	2.0	2.0	0.3	3.4	-1.0	0.4
2026	**ST1**/*Q1*	-5.3	-5.3	-0.6	1.1	-1.0	0.2
Sub-sector		*Wholesale of Machinery, Equipment & Supplies*		*Other Specialised Wholesale*		*Non-specialised Wholesale Trade*	

p **Data awalan**
Preliminary data

r **Kemaskini dibuat berdasarkan data terkini yang diperoleh**
Revisions made based on the latest data available

* **Indeks volum pelarasan musim adalah sama dengan indeks asal kerana tiada corak bermusim dikesan pada siri data**
Seasonally adjusted volume index is the same as original index because no seasonal pattern is detected in the data series

Jadual 5 : Indeks Volum Perdagangan Runcit mengikut Kumpulan
Table 5 : Volume Index of Retail Trade by Group

Subsektor		Jualan Runcit di Kedai Bukan Pengkhususan 471*		Jualan Runcit Makanan, Minuman & Tembakau di Kedai Pengkhususan 472*		Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan 473	
Indeks Volum *Volume Index* **(2015=100)**		**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*	**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*	**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*
Tempoh *Period*	**Wajaran** *Weight*	**12.0**		**3.0**		**1.8**	
2022		175.1		170.9		173.9	
2023		192.3		187.8		200.9	
2024		202.2		200.2		211.0	
2025		212.7		211.5		226.2	
2023	**ST1**/*Q1*	189.2	189.2	182.5	182.5	198.8	200.3
	ST2/*Q2*	193.1	193.1	187.2	187.2	201.7	199.3
	ST3/*Q3*	192.1	192.1	189.7	189.7	201.9	202.2
	ST4/*Q4*	194.9	194.9	191.8	191.8	201.3	202.2
2024	**ST1**/*Q1*	196.7	196.7	194.4	194.4	203.7	205.3
	ST2/*Q2*	205.1	205.1	200.8	200.8	212.0	209.8
	ST3/*Q3*	203.3	203.3	201.9	201.9	212.8	213.1
	ST4/*Q4*	203.5	203.5	203.8	203.8	215.5	216.5
2025	**ST1**/*Q1*	206.5	206.5	207.5	207.5	218.0	219.7
	ST2/*Q2*	210.9	210.9	212.5	212.5	225.0	222.5
	ST3/*Q3*	214.1	214.1	211.5	211.5	227.4	227.7
	ST4/*Q4*	219.1	219.1	214.4	214.4	234.3	235.3
2026	**ST1**/*Q1*	221.3	221.3	219.5	219.5	237.4	239.1
				%Perubahan *Changes*		**(YoY)**	
2022		23.6		11.8		38.6	
2023		9.9		9.9		15.5	
2024		5.1		6.6		5.0	
2025		5.2		5.6		7.2	
2023	**ST1**/*Q1*	18.8		13.1		40.0	
	ST2/*Q2*	10.2		8.7		14.3	
	ST3/*Q3*	6.6		9.6		9.5	
	ST4/*Q4*	5.0		8.4		4.4	
2024	**ST1**/*Q1*	4.0		6.5		2.5	
	ST2/*Q2*	6.2		7.2		5.1	
	ST3/*Q3*	5.8		6.4		5.4	
	ST4/*Q4*	4.4		6.3		7.0	
2025	**ST1**/*Q1*	5.0		6.7		7.0	
	ST2/*Q2*	2.9		5.8		6.1	
	ST3/*Q3*	5.3		4.8		6.9	
	ST4/*Q4*	7.7		5.2		8.7	
2026	**ST1**/*Q1*	7.2		5.8		8.9	
				% Perubahan *Changes*		**(QoQ)**	
2023	**ST1**/*Q1*	1.9	1.9	3.2	3.2	3.1	3.2
	ST2/*Q2*	2.1	2.1	2.6	2.6	1.5	-0.5
	ST3/*Q3*	-0.5	-0.5	1.3	1.3	0.1	1.5
	ST4/*Q4*	1.4	1.4	1.1	1.1	-0.3	0.0
2024	**ST1**/*Q1*	1.0	1.0	1.4	1.4	1.1	1.5
	ST2/*Q2*	4.2	4.2	3.3	3.3	4.1	2.2
	ST3/*Q3*	-0.9	-0.9	0.5	0.5	0.3	1.6
	ST4/*Q4*	0.1	0.1	0.9	0.9	1.3	1.6
2025	**ST1**/*Q1*	1.5	1.5	1.8	1.8	1.1	1.5
	ST2/*Q2*	2.1	2.1	2.4	2.4	3.2	1.3
	ST3/*Q3*	1.5	1.5	-0.5	-0.5	1.1	2.3
	ST4/*Q4*	2.4	2.4	1.4	1.4	3.1	3.3
2026	**ST1**/*Q1*	1.0	1.0	2.4	2.4	1.3	1.6
Sub-sector		*Retail Sale in Non-specialised Stores*		*Retail Sale of Food, Beverages & Tobacco in Specialised Stores*		*Retail Sale of Automotive Fuel in Specialised Stores*	

p **Data awalan**
Preliminary data
r **Kemaskini dibuat berdasarkan data terkini yang diperoleh**
Revisions made based on the latest data available
* **Indeks volum pelarasan musim adalah sama dengan indeks asal kerana tiada corak bermusim dikesan pada siri data**
Seasonally adjusted volume index is the same as original index because no seasonal pattern is detected in the data series

Jadual 5 (samb.) : **Indeks Volum Perdagangan Runcit mengikut Kumpulan**
Table 5 (cont'd) : *Volume Index of Retail Trade by Group*

Subsektor		Jualan Runcit di Kedai Khusus yang Menjual Peralatan Komunikasi & Maklumat 474*		Jualan Runcit di Kedai Khusus yang Menjual Peralatan Lain Isi Rumah 475*		Jualan Runcit di Kedai Khusus yang Menjual Barangan Kesenian & Rekreasi 476	
Indeks Volum *Volume Index* **(2015=100)**		**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*	**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*	**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*
Tempoh *Period*	**Wajaran** *Weight*	**5.1**		**7.5**		**3.1**	
2022		158.8		134.7		147.1	
2023		161.2		137.8		146.0	
2024		163.5		143.4		152.0	
2025		176.0		148.2		157.9	
2023	**ST1**/*Q1*	160.4	160.4	134.4	134.4	142.1	143.1
	ST2/*Q2*	159.4	159.4	135.3	135.3	143.4	145.6
	ST3/*Q3*	163.4	163.4	138.9	138.9	148.1	146.8
	ST4/*Q4*	161.7	161.7	142.5	142.5	150.6	148.6
2024	**ST1**/*Q1*	158.7	158.7	140.0	140.0	148.9	150.0
	ST2/*Q2*	160.6	160.6	143.0	143.0	149.0	151.3
	ST3/*Q3*	166.9	166.9	143.7	143.7	154.2	152.8
	ST4/*Q4*	167.9	167.9	146.8	146.8	156.2	154.1
2025	**ST1**/*Q1*	170.9	170.9	146.1	146.1	157.5	158.7
	ST2/*Q2*	172.4	172.4	148.8	148.8	153.1	155.5
	ST3/*Q3*	179.0	179.0	147.3	147.3	159.2	157.8
	ST4/*Q4*	181.7	181.7	150.4	150.4	161.7	159.5
2026	**ST1**/*Q1*	180.6	180.6	150.6	150.6	161.7	162.9
				%Perubahan *Changes*		**(YoY)**	
2022		8.0		12.7		13.7	
2023		1.5		2.3		-0.7	
2024		1.4		4.1		4.1	
2025		7.6		3.4		3.8	
2023	**ST1**/*Q1*	5.5		7.2		-2.9	
	ST2/*Q2*	0.2		-2.1		-2.0	
	ST3/*Q3*	0.7		0.9		-0.4	
	ST4/*Q4*	-0.1		3.6		2.4	
2024	**ST1**/*Q1*	-1.0		4.2		4.8	
	ST2/*Q2*	0.8		5.7		3.9	
	ST3/*Q3*	2.2		3.4		4.1	
	ST4/*Q4*	3.8		3.0		3.7	
2025	**ST1**/*Q1*	7.7		4.4		5.8	
	ST2/*Q2*	7.3		4.1		2.8	
	ST3/*Q3*	7.3		2.5		3.2	
	ST4/*Q4*	8.2		2.4		3.5	
2026	**ST1**/*Q1*	5.7		3.0		2.7	
				% Perubahan *Changes*		**(QoQ)**	
2023	**ST1**/*Q1*	-0.9	-0.9	-2.3	-2.3	-3.4	-1.4
	ST2/*Q2*	-0.7	-0.7	0.7	0.7	1.0	1.8
	ST3/*Q3*	2.5	2.5	2.7	2.7	3.3	0.8
	ST4/*Q4*	-1.0	-1.0	2.6	2.6	1.7	1.2
2024	**ST1**/*Q1*	-1.8	-1.8	-1.8	-1.8	-1.1	0.9
	ST2/*Q2*	1.2	1.2	2.1	2.1	0.1	0.9
	ST3/*Q3*	3.9	3.9	0.5	0.5	3.5	1.0
	ST4/*Q4*	0.6	0.6	2.2	2.2	1.3	0.9
2025	**ST1**/*Q1*	1.8	1.8	-0.4	-0.4	0.8	3.0
	ST2/*Q2*	0.9	0.9	1.8	1.8	-2.8	-2.0
	ST3/*Q3*	3.8	3.8	-1.0	-1.0	3.9	1.5
	ST4/*Q4*	1.5	1.5	2.1	2.1	1.6	1.1
2026	**ST1**/*Q1*	-0.6	-0.6	0.1	0.1	0.0	2.1
Sub-sector		*Retail Sale of Information & Communication Equipment in Specialised Stores*		*Retail Sale of Other Household Equipment in Specialised Stores*		*Retail Sale of Cultural & Recreation Goods in Specialised Stores*	

[p] **Data awalan**
Preliminary data
[r] **Kemaskini dibuat berdasarkan data terkini yang diperoleh**
Revisions made based on the latest data available
* **Indeks volum pelarasan musim adalah sama dengan indeks asal kerana tiada corak bermusim dikesan pada siri data**
Seasonally adjusted volume index is the same as original index because no seasonal pattern is detected in the data series

Jadual 5 (samb.) : Indeks Volum Perdagangan Runcit mengikut Kumpulan
Table 5 (cont'd) : Volume Index of Retail Trade by Group

Subsektor		Jualan Runcit di Kedai Khusus yang Menjual Barangan Lain 477*		Jualan Runcit di Gerai & Pasar 478*		Jualan Runcit Bukan di Kedai, Gerai atau Pasar 479*	
Indeks Volum *Volume Index* **(2015=100)**		**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*	**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*	**Asal** *Original*	**Pelarasan Musim** *Seasonally Adjusted*
Tempoh *Period*	**Wajaran** *Weight*	**11.9**		**0.1**		**0.6**	
2022		165.0		176.5		198.3	
2023		177.7		190.0		204.0	
2024		185.5		198.5		213.8	
2025		190.6		209.9		228.5	
2023	**ST1**/*Q1*	175.3	175.3	186.3	186.3	202.2	202.2
	ST2/*Q2*	174.7	174.7	189.2	189.2	202.8	202.8
	ST3/*Q3*	178.5	178.5	191.2	191.2	203.9	203.9
	ST4/*Q4*	182.4	182.4	193.2	193.2	207.0	207.0
2024	**ST1**/*Q1*	183.2	183.2	190.5	190.5	205.4	205.4
	ST2/*Q2*	185.8	185.8	197.6	197.6	214.9	214.9
	ST3/*Q3*	183.5	183.5	202.3	202.3	217.5	217.5
	ST4/*Q4*	189.6	189.6	203.6	203.6	217.4	217.4
2025	**ST1**/*Q1*	190.6	190.6	205.8	205.8	222.1	222.1
	ST2/*Q2*	190.6	190.6	209.3	209.3	225.1	225.1
	ST3/*Q3*	188.8	188.8	211.2	211.2	231.4	231.4
	ST4/*Q4*	192.2	192.2	213.2	213.2	235.4	235.4
2026	**ST1**/*Q1*	195.8	195.8	220.5	220.5	239.8	239.8
				%Perubahan *Changes*		**(YoY)**	
2022		26.5		16.5		20.3	
2023		7.7		7.7		2.9	
2024		4.4		4.5		4.8	
2025		2.7		5.7		6.9	
2023	**ST1**/*Q1*	22.9		18.8		10.3	
	ST2/*Q2*	6.6		5.5		3.1	
	ST3/*Q3*	2.8		3.8		-0.6	
	ST4/*Q4*	1.4		4.2		-0.4	
2024	**ST1**/*Q1*	4.6		2.3		1.5	
	ST2/*Q2*	6.3		4.4		6.0	
	ST3/*Q3*	2.8		5.8		6.7	
	ST4/*Q4*	3.9		5.4		5.0	
2025	**ST1**/*Q1*	4.0		8.0		8.2	
	ST2/*Q2*	2.6		5.9		4.8	
	ST3/*Q3*	2.9		4.4		6.4	
	ST4/*Q4*	1.4		4.7		8.3	
2026	**ST1**/*Q1*	2.7		7.2		7.9	
				% Perubahan *Changes*		**(QoQ)**	
2023	**ST1**/*Q1*	-2.6	-2.6	0.5	0.5	-2.7	-2.7
	ST2/*Q2*	-0.3	-0.3	1.5	1.5	0.3	0.3
	ST3/*Q3*	2.2	2.2	1.1	1.1	0.6	0.6
	ST4/*Q4*	2.2	2.2	1.1	1.1	1.5	1.5
2024	**ST1**/*Q1*	0.5	0.5	-1.4	-1.4	-0.8	-0.8
	ST2/*Q2*	1.4	1.4	3.7	3.7	4.7	4.7
	ST3/*Q3*	-1.2	-1.2	2.4	2.4	1.2	1.2
	ST4/*Q4*	3.3	3.3	0.6	0.6	-0.1	-0.1
2025	**ST1**/*Q1*	0.6	0.6	1.1	1.1	2.2	2.2
	ST2/*Q2*	0.0	0.0	1.7	1.7	1.3	1.3
	ST3/*Q3*	-1.0	-1.0	0.9	0.9	2.8	2.8
	ST4/*Q4*	1.8	1.8	0.9	0.9	1.7	1.7
2026	**ST1**/*Q1*	1.9	1.9	3.4	3.4	1.9	1.9
Sub-sector		*Retail Sale of Other Goods in Specialised Stores*		*Retail Sale Via Stalls & Markets*		*Retail Sale Not in Stores, Stalls or Markets*	

p **Data awalan**
Preliminary data
r **Kemaskini dibuat berdasarkan data terkini yang diperoleh**
Revisions made based on the latest data available
* **Indeks volum pelarasan musim adalah sama dengan indeks asal kerana tiada corak bermusim dikesan pada siri data**
Seasonally adjusted volume index is the same as original index because no seasonal pattern is detected in the data series

NOTA TEKNIKAL
Technical Notes

INDEKS VOLUM PERDAGANGAN BORONG & RUNCIT
Volume Index of Wholesale & Retail Trade

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1. Pengenalan

Indeks Volum Perdagangan Borong & Runcit mula dibangunkan secara berperingkat pada tahun 2008 bermula dengan Perdagangan Runcit dan Kenderaan Bermotor. Pada tahun 2009, Indeks Volum Perdagangan Borong telah mula dibangunkan dan seterusnya Komposit Indeks Volum Perdagangan Borong & Runcit telah disusun mulai suku ketiga 2010. Indeks Volum Perdagangan Borong & Runcit telah dikeluarkan kepada umum mulai rujukan suku pertama 2012. Indeks Volum Perdagangan Borong & Runcit digunakan untuk menilai prestasi semasa aktiviti jualan dalam subsektor Perdagangan Borong, Perdagangan Runcit dan Kenderaan Bermotor.

2. Objektif

Objektif penyusunan Indeks Volum Perdagangan Borong & Runcit adalah:

a. Mengukur perubahan corak dan prestasi subsektor Borong, Runcit dan Kenderaan Bermotor secara suku tahunan dan tahunan;

b. Memberikan maklumat yang relevan dan terkini terhadap pencapaian aktiviti Perdagangan Borong & Runcit; dan

c. Memberikan penunjuk segera terhadap perubahan corak perbelanjaan pengguna.

3. Jenis Indeks

Indeks Volum Perdagangan Borong & Runcit diukur pada tempoh rujukan berbanding tahun asas (2015=100).

4. Sumber Data

Indeks Volum Perdagangan Borong & Runcit dibentuk berdasarkan data daripada Survei Bulanan Perdagangan Borong & Runcit. Semua pertubuhan yang terpilih dalam survei telah dipilih dalam penyusunan indeks.

5. Skop dan Liputan

Indeks Volum Perdagangan Borong & Runcit meliputi 179 industri yang merangkumi Indeks Volum Perdagangan Borong, Perdagangan Runcit dan Kenderaan Bermotor.

Indeks Volum Perdagangan Borong meliputi tujuh kumpulan seperti di bawah:

a. Jual borong berdasarkan kontrak atau yuran
b. Jual borong bahan mentah pertanian dan haiwan hidup
c. Jualan borong makanan, minuman dan tembakau
d. Jualan borong barangan isi rumah
e. Jualan borong jentera, peralatan dan bekalan
f. Lain-lain pengkhususan jualan borong
g. Perdagangan borong tanpa pengkhususan

Indeks Volum Perdagangan Runcit meliputi sembilan kumpulan seperti di bawah:

a. Jualan runcit di kedai bukan pengkhususan
b. Jualan runcit makanan, minuman dan tembakau di kedai pengkhususan
c. Jualan runcit di kedai khusus yang menjual bahan api kenderaan
d. Jualan runcit di kedai khusus yang menjual peralatan komunikasi dan maklumat
e. Jualan runcit di kedai khusus yang menjual peralatan lain isi rumah
f. Jualan runcit di kedai khusus yang menjual barangan kesenian dan rekreasi
g. Jualan runcit di kedai khusus yang menjual barangan lain
h. Jualan runcit di gerai dan pasar
i. Jualan runcit bukan di kedai, gerai atau pasar

Indeks Volum Kenderaan Bermotor meliputi empat kumpulan seperti di bawah:

a. Jualan kenderaan bermotor
b. Penyelenggaraan dan pembaikan kenderaan bermotor
c. Jualan komponen (temasuk alat ganti) dan aksesori kenderaan bermotor
d. Jualan, penyelenggaraan dan pembaikan motosikal dan komponen dan aksesori berkaitan

Klasifikasi industri yang digunakan adalah berdasarkan Piawaian Klasifikasi Industri Malaysia (MSIC) 2008. MSIC 2008 yang diguna pakai adalah selaras dengan *International Standard Industrial Classification (ISIC), Revision 4, United Nations Statistics Division*.

6. Wajaran

Bermula daripada suku tahun pertama 2023, wajaran yang digunapakai dalam pengiraan Indeks Volum Perdagangan Borong & Runcit adalah merujuk kepada nilai ditambah yang diperoleh daripada Banci Perdagangan Borong & Runcit 2019 (tahun rujukan 2018).

Wajaran industri adalah berpandukan kepada nisbah nilai ditambah terhadap kumpulan dan subsektor masing-masing yang diliputi dalam Banci Perdagangan Borong & Runcit 2019 (tahun rujukan 2018). Wajaran adalah dikira berdasarkan formula berikut:

$$W_{ij} = \frac{V_{ij}}{V_j}$$

Di mana:

$\mathbf{W}_{ij}$ ialah pembahagian relatif bagi industri ***i*** terhadap kumpulan ***j***;
$\mathbf{V}_{ij}$ ialah jumlah nilai ditambah bagi industri ***i*** terhadap kumpulan ***j***; dan
$\mathbf{V}_{j}$ ialah jumlah nilai ditambah bagi subsektor utama ***j***

7. Prosedur Pengiraan

Berkuatkuasa mulai penerbitan untuk rujukan suku tahun pertama 2016, kaedah indeks rantaian Laspeyres telah digunakan dalam pengiraan Indeks Volum Perdagangan Borong & Runcit.

Indeks Volum Perdagangan Borong & Runcit dihitung sebagai indeks rantaian bakul tetap. Ini bermakna bahawa urutan indeks bakul tetap dirantai bersama untuk mewujudkan satu siri masa yang berterusan. Perkara ini perlu untuk mengelakkan perubahan yang tidak dijangka dalam indeks apabila pengemaskinian bakul dilakukan. Dalam usaha untuk indeks dirantai bersama antara bakul, *annual chain-linked monthly Laspeyres* telah digunakan. Bulan pautan terkini adalah pada Disember 2022.

$\mathbf{I}_{2015}:\boldsymbol{t}$ dirantai $= \mathbf{I}_{2018}:\boldsymbol{t} \times \mathbf{I}_{2015:\text{Dis }2022} / \mathbf{I}_{2018:\text{Dis }2022}$

Di mana:

$\mathbf{I}_{2015}$: $\boldsymbol{t}$ dirantai	adalah indeks rantaian bagi tempoh pemerhatian jualan ***t*** dengan tempoh rujukan jualan 2015
$\mathbf{I}_{2018}$: $\boldsymbol{t}$	adalah indeks bagi tempoh pemerhatian jualan ***t*** dengan 2018 sebagai tempoh rujukan.
$\mathbf{I}_{2015:\text{ Dis }2022}$	adalah indeks bagi Disember 2022 dengan 2015 sebagai tempoh rujukan.
$\mathbf{I}_{2018:\text{ Dis }2022}$	adalah indeks bagi Disember 2022 dengan 2018 sebagi tempoh rujukan.

Dalam kes indeks rantaian, penjumlahan indeks purata berwajaran bagi kumpulan peringkat rendah atau industri adalah tidak sepadan dengan kumpulan peringkat yang lebih tinggi (indeks rantaian tidak berdaya tambah).

Indeks Volum Perdagangan Borong & Runcit disusun dengan menjumlahkan nilai jualan bagi setiap pertubuhan yang berada dalam satu industri yang sama dan mendeflasi dengan deflator harga. Formula Laspeyres digunakan dalam menyusun indeks ini

Oleh itu, indeks bagi kumpulan ***i*** daripada subsektor utama ***j***:

$$I_{ij,t} = \frac{R_{ij,t}}{R_{ij,0}} \times 100$$

Di mana:

$\mathbf{I}_{ij,t}$ merujuk kepada pengiraan relatif jualan bagi industri ***i*** terhadap kumpulan ***j*** pada masa ***t*** (tempoh semasa);

$\mathbf{R}_{ij,t}$ adalah agregat jualan yang telah dideflasi dengan deflator harga bagi industri ***i*** terhadap kumpulan ***j*** pada masa ***t*** (tempoh masa); dan

$\mathbf{R}_{ij,0}$ adalah purata agregat jualan yang telah dideflasi dengan deflator harga bagi industri ***i*** terhadap kumpulan ***j*** pada masa 0 (tempoh asas=2015).

Indeks untuk kumpulan *j*:

$$I_{jt} = \frac{\sum(W_{ij} I_{ijt})}{\sum W_{ij}}$$

Di mana:

I_{jt}	merujuk kepada indeks bagi kumpulan ***j*** pada masa ***t***;
W_{ij}	adalah syer relatif bagi nilai ditambah industri ***i*** terhadap jumlah nilai ditambah kumpulan ***j***; dan
I_{ijt}	adalah pengiraan indeks bagi industri ***i*** terhadap kumpulan ***j*** pada masa ***t***

8. Pendeflasi Harga

Item bagi setiap subsektor dipilih daripada bakul barangan Indeks Harga Pengguna (IHP) dan Indeks Harga Pengeluar (IHPR) dan perubahan harga diperingkat subsektor diukur.

9. Asas Masa

"Tempoh rujukan indeks" di mana indeks diberi nilai 100 adalah tahun 2015. Tempoh asas bagi Indeks Volum Perdagangan Borong & Runcit dikemaskini setiap 5 tahun.

10. Perubahan Peratusan Indeks

Peratus perubahan indeks dikira berdasarkan formula berikut:

$$\mathbf{Y}_t = \frac{\mathbf{I}_t - \mathbf{I}_{t-1}}{\mathbf{I}_{t-1}} \mathbf{X}\ 100$$

Di mana:

Y_t	merujuk kepada peratus perubahan indeks;
I_t	adalah indeks pada masa *t* (tempoh semasa); dan
I_{t-1}	adalah indeks pada masa *t –1* (tempoh sebelum).

11. Pelarasan Musim

Data siri masa adalah amat berguna untuk ahli ekonomi, pembuat dasar & polisi dan penganalisis siri masa untuk mengenal pasti ciri-ciri penting siri ekonomi seperti arah, *turning point* dan konsistensi antara penunjuk ekonomi yang lain. Kadang-kadang ciri ini sukar untuk diperhatikan kerana pergerakan musim. Oleh itu, sekiranya kesan musim boleh disingkirkan, perilaku data siri ini dapat dilihat dengan lebih baik. Anggaran dan penyingkiran kesan musim dikenali sebagai **pelarasan musim**.

Pelarasan musim adalah satu proses untuk mengenal pasti dan menyingkirkan bentuk pola musim yang biasa berlaku dalam tempoh satu tahun, yang mungkin juga merangkumi pengaruh dari kesan cuti yang bergerak dan hari bekerja/ berdagang bagi suatu tempoh. Objektif utama proses ini adalah untuk menunjukkan arah aliran dan pergerakan jangka pendek dalam siri ini.

Di Malaysia, kebanyakan data siri masa terjejas oleh kesan musim. Oleh itu, untuk menghapuskan kesan musim dan juga melaras musim data siri masa ekonomi Malaysia, pakej pelarasan musim standard, X-12 ARIMA telah digunakan oleh Jabatan Perangkaan Malaysia.

Data siri masa ekonomi Malaysia dipengaruhi oleh perayaan utama seperti Aidil Fitri bagi umat Islam, Tahun Baru Cina untuk kaum Cina dan Deepavali untuk kaum India. Tarikh perayaan-perayaan ini tetap mengikut tahun lunar tetapi berbeza-beza mengikut kalendar Gregorian. Oleh itu, untuk menganggar dan menyingkirkan kesan cuti yang bergerak dari data siri masa, satu prosedur telah dibangunkan iaitu *Seasonal Adjustment for Malaysia* (SEAM).

12. Konsep dan Definisi

Perdagangan Borong & Runcit yang diguna pakai dalam penerbitan ini berasaskan saranan di dalam Manual International Recommendations for *Distributive Trade Statistics* (IRDTS) 2008 yang diterbitkan oleh *United Nations Statistics Division*.

13. **Pertubuhan** ditakrifkan sebagai "satu unit ekonomi yang bergiat di bawah satu hak milik atau penguasaan tunggal, iaitu di bawah satu entiti yang sah. Ia menjalankan satu jenis aktiviti ekonomi utama di satu tempat/lokasi fizikal".

14. **Perdagangan Borong** ditakrifkan sebagai "penjualan semula (tanpa pengubahsuaian) barangan baru dan barangan yang telah digunakan kepada peruncit, pengguna perindustrian, perdagangan, institusi atau profesional; atau kepada pemborong lain; atau bertindak sebagai agen atau broker dalam pembelian barang dagangan untuk, atau menjual dagangan kepada orang atau syarikat berkenaan".

15. **Perdagangan Runcit** ditakrifkan sebagai "penjualan semula (tanpa pengubahsuaian) barang baru dan terpakai kepada orang awam untuk kegunaan persendirian atau isi rumah".

16. **Kenderaan Bermotor** meliputi jualan secara borong dan runcit kenderaan bermotor dan motosikal, sama ada baru atau terpakai, jualan alat-alat ganti dan aksesori kenderaan, penyelenggaraan dan pembaikan kenderaan bermotor dan motosikal termasuk mencuci, mengilap dan menunda kenderaan serta kegiatan agen berkomisen yang terlibat dalam jualan.

17. Polisi Pindaan

- Bagi data bulanan, perubahan tertakluk kepada sumber data, semakan adalah **t-1** di mana **t** merujuk kepada bulan semasa.

- Bagi data suku tahunan, perubahan tertakluk kepada sumber data, semakan adalah **t-1** di mana **t** merujuk kepada suku tahun semasa.

- Bagi data tahunan, perubahan tertakluk kepada sumber data, semakan adalah **t-3** di mana **t** merujuk kepada tahun semasa.

1. Introduction

The Volume Index of Wholesale & Retail Trade was first developed in 2008 in stages with the Retail Trade and Motor Vehicles. In 2009, the Volume Index of Wholesale Trade was constructed and subsequently the Composite Volume Index of Wholesale & Retail Trade was compiled beginning third quarter 2010. The Volume Index of Wholesale & Retail Trade was released to public commencing for reference of first quarter 2012. The Volume Index of Wholesale & Retail Trade is used to assess the current performance of sales activity in the Wholesale Trade, Retail Trade and Motor Vehicles sub-sectors.

2. Objectives

The objectives of the compilation of the Volume Index of Wholesale & Retail Trade are:

- *a. Measure quarterly and annual changes on the pattern and performance of Wholesale, Retail and Motor Vehicles sub-sectors;*
- *b. Provide relevant and timely information on the performances of distributive trade activities; and*
- c. *Produce a quick indication of the changes in the trend of consumer spending.*

3. Type of Index

The Volume Index of Wholesale & Retail Trade measured in the reference period as compared to the base period, (2015=100).

4. Data Sources

The Volume Index of Wholesale & Retail Trade is compiled from the Monthly Survey of Wholesale & Retail Trade. All establishments covered in survey are selected in the index compilation.

5. Scope and Coverage

The Volume Index of Wholesale & Retail Trade covers 179 industries which encompasses the Volume Index of Wholesale Trade, Retail Trade and Motor Vehicles.

*The **Volume Index of Wholesale Trade** covered seven groups as below:*

- *a. Wholesale on a fee or contract basis*
- *b. Wholesale of agricultural raw materials and live animals*
- *c. Wholesale of food, beverages and tobacco*
- *d. Wholesale of household goods*
- *e. Wholesale of machinery, equipment and supplies*
- *f. Other specialised wholesale*
- *g. Non - specialised wholesale trade*

*The **Volume Index of Retail Trade** covered nine groups as below:*

a. *Retail sale in non-specialised stores*
b. *Retail sale of food, beverages and tobacco in specialised stores*
c. *Retail sale of automotive fuel in specialised stores*
d. *Retail sale of information and communications equipment in specialised stores*
e. *Retail sale of other household equipment in specialised stores*
f. *Retail sale of cultural and recreation goods in specialised stores*
g. *Retail sale of other goods in specialised stores*
h. *Retail sale via stalls and markets*
i. *Retail trade not in stores, stalls or markets*

*The **Volume Index of Motor Vehicles** covered four groups as below:*

a. *Sale of motor vehicles*
b. *Maintenance and repair of motor vehicles*
c. *Sale of motor vehicles parts and accessories*
d. *Sale, maintenance and repair of motorcycles and related parts and accessories*

The classification of the industry used is based on the Malaysia Standard Industrial Classification (MSIC) 2008. The MSIC 2008 is in line with the International Standard Industrial Classification (ISIC), Revision 4, United Nations Statistics Division.

6. Weights

Commencing first quarter 2023, the weights used in the calculation of the Volume Index of Wholesale & Retail Trade are based on value added obtained from the Wholesale & Retail Trade Census 2019 (reference year 2018).

The weights of the industry are obtained from the ratios of the total value added to the sub-sector and group covered in the Wholesale & Retail Trade Census 2019 (reference year 2018). The weights are computed using the following formula:

Where:

$$W_{ij} = \frac{V_{ij}}{V_j}$$

$\mathbf{W}_{ij}$ *is the relative share of industry **i** to the group **j**;*
$\mathbf{V}_{ij}$ *is the total value added of industry **i** of group **j**; and*
$\mathbf{V}_{j}$ *is the total value added of group **j***

7. Computational Procedures

Effective with release of publication for the reference of first quarter 2016, Laspeyres Chain Index method was used in the calculation of the Volume Index of Wholesale & Retail Trade.

The Volume Index of Wholesale & Retail Trade are calculated as a chain of fixed-basket indices. This means that a sequence of fixed-basket indices has been chained together to create a continuous time series. This is necessary to avoid having breaks in an index when a basket update is performed.

In order to chain indices across baskets, annual chain-linked monthly Laspeyres is used. The link month is at December 2022.

$\mathbf{I}_{2015}$: ***t*** chained = $\mathbf{I}_{2018}$: ***t*** × $\mathbf{I}_{2015:\text{ Dec }2022}$ / $\mathbf{I}_{2018:\text{ Dec }2022}$

$\mathbf{I}_{2015}$: ***t*** chained	*is a chained index for the sales observation period **t** with sales reference equal to 2015.*
$\mathbf{I}_{2018}$: ***t***	*is an index for the sales observation period **t** with 2018 as the sales reference period.*
$\mathbf{I}_{2015:\text{ Dec }2022}$	*is an index for December 2022 with 2015 as the sales reference period.*
$\mathbf{I}_{2018:\text{ Dec }2022}$	*is an index for December 2022 with 2018 as the sales reference period.*

In the case of the chain index, the weighted averages of indices of lower level groups or industry do not match those of the corresponding upper level groups (the chain index has no additivity).

The Volume Index of Wholesale & Retail Trade is generated by aggregating the sales value of establishments belonging to the same industry and deflated the aggregate value using price deflator. The Laspeyres formula is used to compile these indices.

*Thus, index for the sub-sector group **i** of sub-sector **j**:*

$$I_{ij,t} = \frac{R_{ij,t}}{R_{ij,0}} \times 100$$

Where:

$\mathbf{I}_{ij,t}$	*refers to the computed sales relative for industry **i** of group **j** at time **t** (current period);*
$\mathbf{R}_{ij,t}$	*is the aggregated sales which deflated with price deflator for industry **i** of group **j** at time **t** (current period); and*
$\mathbf{R}_{ij,0}$	*is the average aggregated sales which is deflated with price deflator for industry **i** of group **j** at time 0 (base period=2015).*

The index for the group j is:

$$I_{jt} = \frac{\sum(W_{ij} I_{ijt})}{\sum W_{ij}}$$

Where:

$\mathbf{I}_{jt}$	*refers to the index for group **j** at time **t**;*
$\mathbf{W}_{ij}$	*is the relative share of value added industry I to the total value added group **j**; and*
$\mathbf{I}_{ijt}$	*is the aggregated index for industry **I** of group **j** at time t.*

8. Price Deflator

Items of each sub-sector are selected from the basket of goods of Consumer Price Index (CPI) and Producer Price Index (PPI) and the price changes at sub-sector level are measured.

9. Time Base

The 'index reference period' in which the index is given a value of 100 is the year 2015. The base period for the Volume Index of Wholesale & Retail Trade is revised approximately every 5 years.

10. Index Changes

Percentage change of the index is calculated based on the following formula:

$$\mathbf{Y}_t = \frac{\mathbf{I}_t - \mathbf{I}_{t-1}}{\mathbf{I}_{t-1}} \text{ X } 100$$

Where:

$\mathbf{Y}_t$	*refers to index percentage change;*
$\mathbf{I}_t$	*is the index at time **t** (current period); and*
$\mathbf{I}_{t-1}$	*is the index at time **t –1** (previous period).*

11. Seasonal Adjustment

*Time-series data are very useful for economists, policy & decision makers and time-series analysts to identify the Important features of economic series such as direction, turning point and consistency between other economic indicators. Sometimes this feature is difficult to observe because of seasonal movements. Thus, if the seasonal effect can be removed, the real behaviour of the series would be revealed. The estimation and removal of the seasonal effects is known as **seasonal adjustment**.*

Seasonal adjustment is a process to identify and to remove the regular within-a-year seasonal pattern, which may also include the influences of moving holidays and working/trading days effect in each period. The ultimate objective of the process is to highlight the underlying trends and short-term movements in the series.
In Malaysia, most of the time series data are affected by seasonal effects. Hence, to eliminate the seasonal effect as well as to seasonally adjust the Malaysian economic time series data, a standard seasonal adjustment package, X-12 ARIMA was used by Department of Statistics, Malaysia.

Malaysian economic time series data are affected by major festivals such as Eid-ul Fitr of the Muslims, Chinese New Year of the Chinese and Deepavali of the Indians. These festivals' dates are fixed according *to the lunar year but vary according to the Gregorian calendar. Therefore, to estimate and remove moving holiday effect from time-series data, a procedure was developed, namely Seasonal Adjustment for Malaysia (SEAM).*

12. Concepts and Definitions

The concepts and definitions of Wholesale & Retail Trade adopted in this publication is based on the Manual of International Recommendations for Distributive Trade Statistics (IRDTS) 2008 published by the United Nations Statistics Division.

***13. An establishment** is defined as "an economic unit that engaged in one activity, under a single legal entity and operating in a single physical location".*

***14. Wholesale Trade** refers to "the resale (sale without transformation) of new and used goods to retailers; to industrial, commercial, institutional or professional users; or to other wholesalers; or involves acting as an agent or broker in buying merchandise for, or selling merchandise to, such persons or companies".*

***15. Retail Trade** refers to "the resale (sale without transformation) of new and used goods to the general public for personal or household consumption or utilization."*

***16. Motor Vehicles** refer to activity of wholesale and retail sale of motor vehicles and motorcycles, either new or used, sale of motor vehicle parts and accessories, maintenance and repair of motor vehicles and motorcycles including washing, polishing and towing as well as commission agents.*

17. Revision Policy

- *For monthly data, subject to changes in data source, revision is **t-1** where **t** refers to current month.*
- *For quarterly data, subject to changes in data source, revision is **t-1** where **t** refers to current quarter.*
- *For annual data, subject to changes in data source, revision is **t-3** where **t** refers to current year.*

LAMPIRAN
Appendix

INDEKS VOLUM PERDAGANGAN BORONG & RUNCIT
Volume Index of Wholesale & Retail Trade

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Lampiran - Piawaian Klasifikasi Industri Malaysia 2008 Ver. 1.0
Appendix - Malaysia Standard Industrial Classification 2008 Ver.1.0

PERDAGANGAN BORONG *WHOLESALE TRADE*			
`BAHAGIAN *DIVISION*	**KUMPULAN** *GROUP*	**PERKARA** *ITEM*	**KETERANGAN** *DESCRIPTION*
46	**461**		**Jual borong berdasarkan kontrak atau yuran** *Wholesale on a fee or contract basis*
		46100	**Jual borong berdasarkan kontrak atau yuran** *Wholesale on a fee or contract basis*
	462		**Jual borong bahan mentah pertanian dan haiwan hidup** *Wholesale of agricultural raw materials and live animals*
		46201	**Jualan borong getah** *Wholesale of rubber*
		46202	**Jualan borong minyak kelapa sawit** *Wholesale of palm oil*
		46203	**Jualan borong kayu balak dan kayu kayan** *Wholesale of lumber and timber*
		46204	**Jualan borong bunga-bungaan dan tumbuh-tumbuhan** *Wholesale of flowers and plants*
		46205	**Jualan borong ternakan** *Wholesale of livestock*
		46209	**Jualan borong bahan mentah pertanian dan haiwan hidup t.t.t.l** *Wholesale of agricultural raw material and live animals n.e.c*
	463		**Jualan borong makanan, minuman dan tembakau** *Wholesale of food, beverages and tobacco*
		46311	**Jualan borong daging, unggas dan telur** *Wholesale of meat, poultry and eggs*
		46312	**Jualan borong ikan dan lain-lain makanan laut** *Wholesale of fish and other seafood*
		46313	**Jualan borong buah-buahan** *Wholesale of fruits*
		46314	**Jualan borong sayur-sayuran** *Wholesale of vegetables*
		46319	**Jualan borong daging, ikan, buah-buahan dan sayur-sayuran t.t.t.l** *Wholesale of meat, fish, fruits and vegetables n.e.c*
		46321	**Jualan borong beras, bijirin lain, tepung dan gula** *Wholesale of rice, other grains, flour and sugars*
		46322	**Jualan borong hasil tenusu** *Wholesale of dairy products*
		46323	**Jualan borong konfeksi** *Wholesale of confectionary*
		46324	**Jualan borong biskut, kek, roti dan produk bakeri lain** *Wholesale of biscuits, cakes, breads and other bakery products*
		46325	**Jualan borong kopi, teh dan minuman lain** *Wholesale of coffee, tea, cocoa and other beverages*
		46326	**Jualan borong bir, wain dan spirit** *Wholesale of beer, wine and spirits*
		46327	**Jualan borong tembakau, cerut, rokok** *Wholesale of tobacco, cigar, cigarettes*

PERDAGANGAN BORONG *WHOLESALE TRADE*			
`BAHAGIAN *DIVISION*	**KUMPULAN** *GROUP*	**PERKARA** *ITEM*	**KETERANGAN** *DESCRIPTION*
		46329	**Jualan borong bahan makanan lain** *Wholesale of other foodstuffs*
	464		**Jualan borong barangan isi rumah** *Wholesale of household goods*
		46411	**Jualan borong benang dan fabrik** *Wholesale of yarn and fabrics*
		46412	**Jualan borong linen, tuala dan selimut isi rumah** *Wholesale of household linen, towels, blankets*
		46413	**Jualan borong pakaian** *Wholesale of clothing*
		46414	**Jualan borong aksesori pakaian** *Wholesale of clothing accessories*
		46415	**Jualan borong pakaian daripada bulu binatang** *Wholesale of fur articles*
		46416	**Jualan borong kasut** *Wholesale of footwear*
		46417	**Jualan borong bahan jahitan** *Wholesale of haberdashery*
		46419	**Jualan borong tekstil, pakaian, t.t.t.l** *Wholesale of textiles, clothing n.e.c*
		46421	**Jualan borong barangan farmaseutikal dan perubatan** *Wholesale of pharmaceutical and medical goods*
		46422	**Jualan borong pewangi, kosmetik, sabun dan kelengkapan dandanan diri** *Wholesale of perfumeries, cosmetics, soap and toiletries*
		46431	**Jualan borong basikal dan komponen (termasuk alat ganti) dan aksesori** *Wholesale of bicycles and their parts and accessories*
		46432	**Jualan borong barangan fotografi dan optik** *Wholesale of photographic and optical goods*
		46433	**Jualan borong barangan kulit dan aksesori kembara** *Wholesale of leather goods and travel accessories*
		46434	**Jualan borong peralatan muzik, permainan dan barang mainan, barangan sukan** *Wholesale of musical instruments, games and toys, sports goods*
		46441	**Jualan borong kraftangan dan bunga tiruan** *Wholesale of handicrafts and artificial flowers*
		46442	**Jualan borong bunga keratan dan tumbuhan** *Wholesale of cut flowers and plants*
		46443	**Jualan borong jam tangan dan jam dinding** *Wholesale of watches and clocks*
		46444	**Jualan borong barang kemas** *Wholesale of jewellery*
		46491	**Jualan borong perabot isi rumah** *Wholesale of household furniture*
		46492	**Jualan borong perkakas isi rumah** *Wholesale of household appliances*
		46493	**Jualan borong peralatan lampu** *Wholesale of lighting equipment*

PERDAGANGAN BORONG *WHOLESALE TRADE*			
`BAHAGIAN *DIVISION*	**KUMPULAN** *GROUP*	**PERKARA** *ITEM*	**KETERANGAN** *DESCRIPTION*
		46494	**Jualan borong perkakas dapur dan kutleri, pinggan mangkuk, barangan kaca dan barangan tembikar** *Wholesale of household utensils and cutlery, crockery, glassware, chinaware and pottery*
		46495	**Jualan borong barangan kayu, anyaman rotan dan barangan gabus** *Wholesale of woodenware, wickerwork and corkware*
		46496	**Jualan borong barangan elektrik dan elektronik** *Wholesale of electrical and electronic goods*
		46497	**Jualan borong alat tulis, buku, majalah dan surat khabar** *Wholesale of stationery, books, magazines and newspaper*
		46499	**Jualan borong lain-lain barangan isi rumah t.t.t.l** *Wholesale of other household goods n.e.c*
	465		**Jualan borong jentera, peralatan dan bekalan** *Wholesale of machinery, equipment and supplies*
		46510	**Jualan borong perkakasan komputer, perisian dan peranti** *Wholesale of computer hardware, software and peripherals*
		46521	**Jualan borong kelengkapan telefon dan telekomunikasi, telefon selular, alat kelui** *Wholesale of telephone and telecommunications equipment, cell phones, pagers*
		46522	**Jualan borong komponen elektronik dan aksesori pendawaian** *Wholesale of electronic components and wiring accessories*
		46531	**Jualan borong jentera, kelengkapan dan bekalan pertanian** *Wholesale of agricultural machinery, equipment and supplies*
		46532	**Jualan borong jentera pemotong rumput sebarang cara operasi** *Wholesale of lawn movers however operated*
		46591	**Jualan borong mesin pejabat dan kelengkapan perniagaan, kecuali komputer dan kelengkapan peranti komputer (*peripheral*)** *Wholesale of office machinery and business equipment, except computers and computer peripheral equipment*
		46592	**Jualan borong perabot pejabat** *Wholesale of office furniture*
		46593	**Jualan borong peralatan mesin berkawalan komputer** *Wholesale of computer-controlled machines tools*
		46594	**Jualan borong jentera, kelengkapan dan bekalan perindustrian** *Wholesale of industrial machinery, equipment and supplies*
		46595	**Jualan borong jentera dan kelengkapan pembinaan dan kejuruteraan awam** *Wholesale of construction and civil engineering machinery and equipment*
		46596	**Jualan borong lif, eskalator, penghawa dingin, kelengkapan keselamatan dan pemadam api** *Wholesale of lift escalators, air-conditioning, security and firefighting equipment*
		46599	**Jualan borong lain-lain jentera untuk kegunaan industri, perdagangan dan pengemudian dan lain-lain perkhidmatan t.t.t.l** *Wholesale of other machinery for use in industry, trade and navigation and other services n.e.c*
	466		**Lain-lain pengkhususan jualan borong** *Other specialised wholesale*
		46611	**Jualan borong petrol, diesel, pelincir** *Wholesale of petrol, diesel, lubricants*
		46612	**Jualan borong gas petroleum cecair** *Wholesale of liquefied petroleum gas*

PERDAGANGAN BORONG *WHOLESALE TRADE*			
`BAHAGIAN *DIVISION*	**KUMPULAN** *GROUP*	**PERKARA** *ITEM*	**KETERANGAN** *DESCRIPTION*
		46619	**Jualan borong bahan api pepejal, cecair dan gas dan produk berkaitan t.t.t.l** *Wholesale of other solid, liquid and gaseous fuels and related products n.e.c*
		46621	**Jualan borong bijih besi dan bukan besi dan logam** *Wholesale of ferrous and non-ferrous metal ores and metals*
		46622	**Jualan borong bijih besi dan bukan besi dan logam separuh siap dan produk t.t.t.l** *Wholesale of ferrous and non-ferrous semi-finished metal ores and products n.e.c*
		46631	**Jualan borong kayu balak, kayu bergergaji, papan lapis, venier dan produk berkaitan** *Wholesale of logs, sawn timber, plywood, veneer and related products*
		46632	**Jualan borong cat dan varnish** *Wholesale of paints and varnish*
		46633	**Jualan borong bahan pembinaan** *Wholesale of construction materials*
		46634	**Jualan borong kelengkapan dan lekapan** *Wholesale of fittings and fixtures*
		46635	**Jualan borong pemanas air** *Wholesale of hot water heaters*
		46636	**Jualan borong pemasangan dan peralatan kebersihan** *Wholesale of sanitary installation and equipment*
		46637	**Jualan borong alatan** *Wholesale of tools*
		46639	**Jualan borong dan bekalan lain-lain bahan binaan, hardwer, peralatan paip dan alat pemanas t.t.t.l** *Wholesale of other construction materials, hardware, plumbing and heating equipment and supplies n.e.c*
		46691	**Jualan borong bahan kimia industri** *Wholesale of industrial chemicals*
		46692	**Jualan borong baja dan produk agrokimia** *Wholesale of fertilizers and agrochemical products*
		46693	**Jualan borong bahan plastik dalam bentuk asal** *Wholesale of plastic materials in primary forms*
		46694	**Jualan borong sekerap getah** *Wholesale of rubber scrap*
		46695	**Jualan borong gentian tekstil** *Wholesale of textile fibres*
		46696	**Jual borong kertas secara pukal, bahan pembungkusan** *Wholesale of paper in bulk, packaging materials*
		46697	**Jual borong batu permata berharga** *Wholesale of precious stones*
		46698	**Jual borong bahan buangan dan sekerap dan bahan lain sama ada logam dan bukan logam untuk kitar semula** *Wholesale of metal and non-metal waste and scrap and materials for recycling*
		46699	**Melerai bahagian kenderaan, komputer, televisyen dan peralatan lain untuk mendapatkan bahagian yang boleh digunakan dan jual semula** *Dismantling of automobiles, computer, televisions and other equipment to obtain and re-sell usable parts*
	469		**Perdagangan borong tanpa pengkhususan** *Non-specialised wholesale trade*

PERDAGANGAN BORONG *WHOLESALE TRADE*			
`BAHAGIAN *DIVISION*	**KUMPULAN** *GROUP*	**PERKARA** *ITEM*	**KETERANGAN** *DESCRIPTION*
		46901	**Jualan borong ikan akuarium, burung dan haiwan peliharaan** *Wholesale of aquarium fishes, pet birds and animals*
		46902	**Jualan borong makanan haiwan/haiwan peliharaan** *Wholesale of animal/pet food*
		46909	**Jualan borong pelbagai jenis barang tanpa pengkhususan tertentu t.t.t.l** *Wholesale of variety of goods without any particular specialisation n.e.c*

PERDAGANGAN RUNCIT *RETAIL TRADE*			
BAHAGIAN *DIVISION*	**KUMPULAN** *GROUP*	**PERKARA** *ITEM*	**KETERANGAN** *DESCRIPTION*
47	**471**		**Jualan runcit di kedai bukan pengkhususan** *Retail sale in non-specialised stores*
		47111	**Kedai runcit** *Provision stores*
		47112	**Pasar raya** *Supermarket*
		47113	**Pasar mini** *Mini market*
		47114	**Kedai 'convenience'** *Convenience stores*
		47191	**Gedung serbaneka** *Department stores*
		47192	**Gedung serbaneka dan pasar raya** *Department stores and supermarket*
		47193	**Pasar raya besar (Hypermarket)** *Hypermarket*
		47194	**Agen surat khabar dan kedai pelbagai barangan** *News agent and miscellaneous goods store*
		47199	**Jualan runcit lain di kedai tanpa pengkhususan t.t.t.l** *Other retail sale in non-specialised stores n.e.c*
	472		**Jualan runcit makanan, minuman dan tembakau di kedai pengkhususan** *Retail sale of food, beverages and tobacco in specialised stores*
		47211	**Jualan runcit beras, tepung, bijirin lain dan gula** *Retail sale of rice, flour, other grains and sugars*
		47212	**Jualan runcit sayur-sayuran dan buah-buahan segar atau diawet** *Retail sale of fresh or preserved vegetables and fruits*
		47213	**Jualan runcit produk tenusu dan telur** *Retail sale of dairy products and eggs*
		47214	**Jualan runcit daging dan produk daging (unggas)** *Retail sale of meat and meat products (including poultry)*
		47215	**Jualan runcit ikan dan makanan laut lain dan lain-lain produk yang berkaitan** *Retail sale of fish, other seafood and products thereof*
		47216	**Jualan runcit produk bakeri dan konfeksi** *Retail sale of bakery products and sugar confectionery*
		47217	**Jualan runcit mi, kueh teow, mihun, kulit wantan dan produk makanan lain yang dihasilkan daripada tepung atau soya** *Retail sale of mee, kuey teow, mee hoon, wantan skins and other food products made from flour or soya*
		47219	**Jualan runcit produk makanan lain t.t.t.l** *Retail sale of other food products n.e.c*
		47221	**Jualan runcit bir, wain dan spirit** *Retail sale of beer, wine and spirits*
		47222	**Jualan runcit teh, kopi, minuman ringan, air mineral dan minuman lain** *Retail sale of tea, coffee, soft drinks, mineral water and other beverages*
		47230	**Jualan runcit produk tembakau di kedai khusus** *Retail sale of tobacco products in specialised store*
	473		**Jualan runcit di kedai khusus yang menjual bahan api kenderaan** *Retail sale of automotive fuel in specialised stores*
		47300	**Jualan runcit bahan api kenderaan di kedai khusus** *Retail sale of automotive fuel in specialised store*
	474		**Jualan runcit di kedai khusus yang menjual peralatan komunikasi dan maklumat** *Retail sale of information and communication equipment in specialised stores*
		47411	**Jualan runcit komputer, peralatan dan kelengkapan komputer** *Retail sale of computers, computer equipment and supplies*
		47412	**Jualan runcit konsol permainan video dan perisian bukan ditempah khas** *Retail sale of video game consoles and non-customised software*

PERDAGANGAN RUNCIT *RETAIL TRADE*			
BAHAGIAN *DIVISION*	**KUMPULAN** *GROUP*	**PERKARA** *ITEM*	**KETERANGAN** *DESCRIPTION*
		47413	**Jualan runcit di peralatan telekomunikasi** *Retail sale of telecommunication equipment*
		47420	**Jualan runcit peralatan audio dan video di kedai pengkhususan** *Retail sale of audio and video equipment in specialised store*
	475		**Jualan runcit di kedai khusus yang menjual peralatan lain isi rumah** *Retail sale of other household equipment in specialised stores*
		47510	**Jualan runcit di kedai khusus yang menjual tekstil** *Retail sale of textiles in specialised stores*
		47520	**Jualan runcit bahan binaan, perkakasan, cat dan kaca** *Retail sale of construction materials, hardware, paints and glass*
		47531	**Jualan runcit karpet dan hamparan** *Retail sale of carpets and rugs*
		47532	**Jualan runcit langsir dan net** *Retail sale of curtain and net curtain*
		47533	**Jualan runcit kertas dinding dan alas lantai** *Retail sale of wallpaper and floor coverings*
		47591	**Jualan runcit perabot isi rumah** *Retail sale of household furniture*
		47592	**Jualan runcit peralatan lampu** *Retail sale of articles for lighting*
		47593	**Jualan runcit perkakasan isi rumah, perkakas dapur dan kutleri, pinggan mangkuk, barangan kaca dan barangan tembikar** *Retail sale of household utensils and cutlery, crockery, glassware, chinaware and pottery*
		47594	**Jualan runcit kayu, barangan gabus dan barangan anyaman rotan** *Retail sale of wood, cork goods and wickerwork goods*
		47595	**Jualan runcit perkakas isi rumah** *Retail sale of household appliances*
		47596	**Jualan runcit peralatan muzik dan skor** *Retail sale of musical instruments and scores*
		47597	**Jualan runcit sistem keselamatan** *Retail sale of security systems*
		47598	**Jualan runcit barangan dan peralatan isi rumah t.t.t.l** *Retail sale of household articles and equipment n.e.c*
	476		**Jualan runcit di kedai khusus yang menjual barangan kesenian dan rekreasi** *Retail sale of cultural and recreation goods in specialised stores*
		47611	**Jualan runcit bekalan dan peralatan pejabat** *Retail sale of office supplies and equipment*
		47612	**Jualan runcit buku, surat khabar dan alat tulis** *Retail sale of books, newspapers and stationery*
		47620	**Jualan runcit rekod muzik, pita audio, cakera padat, kaset, pita video, VCD dan DVD, pita dan cakera kosong** *Retail sale of musical records, audio tapes, compact discs, cassettes, video tapes, VCDs and DVDs, blank tapes and discs*
		47631	**Jualan runcit barangan dan peralatan sukan** *Retail sale of sports goods and equipments*
		47632	**Jualan runcit peralatan memancing** *Retail sale of fishing equipment*
		47633	**Jualan runcit barangan perkhemahan** *Retail sale of camping goods*
		47634	**Jualan runcit bot dan peralatannya** *Retail sale of boats and equipments*
		47635	**Jualan runcit basikal dan komponen (termasuk alat ganti) dan aksesori yang berkaitan** *Retail sale of bicycles and related parts and accessories*

PERDAGANGAN RUNCIT *RETAIL TRADE*			
BAHAGIAN *DIVISION*	**KUMPULAN** *GROUP*	**PERKARA** *ITEM*	**KETERANGAN** *DESCRIPTION*
		47640	**Jualan runcit permainan dan barang mainan, diperbuat dari pelbagai bahan** *Retail sale of games and toys, made of all materials*
	477		**Jualan runcit di kedai khusus yang menjual barangan lain** *Retail sale of other goods in specialised stores*
		47711	**Jualan runcit pakaian, artikel bagi bulu binatang dan aksesori pakaian** *Retail sale of articles of clothing, articles of fur and clothing accessories*
		47712	**Jualan runcit kasut** *Retail sale of footwear*
		47713	**Jualan runcit barangan kulit, aksesori kulit serta gantian kulit** *Retail sale of leather goods, accessories of leather and leather substitutes*
		47721	**Jualan runcit di kedai khusus yang menjual barang farmaseutikal, perubatan dan ortopedik** *Stores specialised in retail sale of pharmaceuticals, medical and orthopaedic goods*
		47722	**Jualan runcit di kedai khusus yang menjual pewangi, kosmetik dan kelengkapan dandanan diri** *Stores specialised in retail sale of perfumery, cosmetic and toilet articles*
		47731	**Jualan runcit peralatan fotografi dan kepersisan** *Retail sale of photographic and precision equipment*
		47732	**Jualan runcit jam tangan dan jam dinding** *Retail sale of watches and clocks*
		47733	**Jualan runcit barang kemas** *Retail sale of jewellery*
		47734	**Jualan runcit bunga, tumbuhan, biji benih dan baja** *Retail sale of flowers, plants, seeds, fertilizers*
		47735	**Jualan runcit cenderahati, kraftangan dan barang keagamaan** *Retail sale of souvenier, craftwork and religious articles*
		47736	**Jualan runcit minyak tanah, gas memasak, batu arang dan kayu api** *Retail sale of household fuel oil, cooking gas, coal and fuel wood*
		47737	**Jualan runcit cermin mata dan barang optik lain** *Retail sale of spectacles and other optical goods*
		47738	**Jualan runcit ikan akuarium, haiwan peliharaan dan makanannya** *Retail sale of aquarium fishes, pet animals and pet food*
		47739	**Jualan runcit di kedai khusus yang menjual barang baru lain t.t.t.l** *Other retail sale of new goods in specialised stores n.e.c*
		47741	**Jualan runcit buku terpakai** *Retail sale of second-hand books*
		47742	**Jualan runcit barang elektrik dan elektronik terpakai** *Retail sale of second-hand electrical and electronic goods*
		47743	**Jualan runcit barang antik** *Retail sale of antiques*
		47744	**Aktiviti pusat lelongan (runcit)** *Activities of auctioning houses (retail)*
		47749	**Jualan runcit barangan terpakai t.t.t.l** *Retail sale of second-hand goods n.e.c*
	478		**Jualan runcit di gerai dan pasar** *Retail sale via stalls and markets*
		47810	**Jualan runcit makanan, minuman dan produk tembakau di gerai atau pasar** *Retail sale of food, beverages and tobacco products via stalls or markets*
		47820	**Jualan runcit tekstil, baju dan kasut di gerai atau pasar** *Retail sale of textiles, clothing and footwear via stalls or markets*
		47891	**Jualan runcit permaidani dan di gerai dan pasar** *Retail sale of carpets and rugs via stalls or markets*
		47892	**Jualan runcit buku di gerai atau pasar** *Retail sale of books via stalls or markets*

PERDAGANGAN RUNCIT *RETAIL TRADE*			
BAHAGIAN *DIVISION*	**KUMPULAN** *GROUP*	**PERKARA** *ITEM*	**KETERANGAN** *DESCRIPTION*
		47893	**Jualan runcit alat permainan dan barang mainan di gerai atau pasar** *Retail sale of games and toys via stalls or markets*
		47894	**Jualan runcit peralatan isi rumah dan barang elektronik di gerai atau pasar** *Retail sale of household appliances and consumer electronics via stall or markets*
		47895	**Jualan runcit rekod muzik dan video di gerai atau pasar** *Retail sale of music and video recordings via stall or markets*
	479		**Jualan runcit bukan di kedai, gerai atau pasar** *Retail trade not in stores, stalls or markets*
		47911	**Jualan runcit sebarang jenis produk melalui pesanan mel** *Retail sale of any kind of products by mail order*
		47912	**Jualan runcit sebarang jenis produk melalui internet** *Retail sale of any kind of product over the Internet*
		47913	**Jualan langsung melalui televisyen, radio dan telefon** *Direct sale via television, radio and telephone*
		47914	**Jualan runcit lelongan melalui internet** *Internet retail auctions*
		47991	**Jualan runcit sebarang jenis produk melalui jualan langsung atau penjualan dari pintu ke pintu** *Retail sale of any kind of product by direct sales or door-to-door sales persons*
		47992	**Jualan runcit sebarang jenis produk melalui mesin layan diri (*vending machine*)** *Retail sale of any kind of product through vending machines*
		47999	**Jualan runcit lain bukan di kedai, gerai atau pasar t.t.t.l** *Other retail sale not in stores, stalls or markets n.e.c*

KENDERAAN BERMOTOR *MOTOR VEHICLES*			
BAHAGIAN *DIVISION*	**KUMPULAN** *GROUP*	**PERKARA** *ITEM*	**KETERANGAN** *DESCRIPTION*
45	**451**		**Jualan kenderaan bermotor** *Sale of motor vehicles*
		45101	**Jualan borong dan runcit kenderaan bermotor baru** *Wholesale and retail of new motor vehicles*
		45102	**Jualan borong dan runcit kenderaan bermotor terpakai** *Wholesale and retail of used motor vehicles*
		45103	**Jualan kenderaan industri, komersial dan pertanian - baru** *Sale of industrial, commercial and agriculture vehicles - new*
		45104	**Jualan kenderaan industri, komersial dan pertanian - terpakai** *Sale of industrial, commercial and agriculture vehicles - used*
		45105	**Jualan oleh agen komisen** *Sale of commission agents*
		45106	**Lelongan kereta** *Car auctions*
		45109	**Jualan lain-lain kenderaan bermotor t.t.t.l** *Sale of other motor vehicles n.e.c*
	452		**Penyelenggaraan dan pembaikan kenderaan bermotor** *Maintenance and repair of motor vehicles*
		45201	**Penyelenggaraan dan pembaikan kenderaan bermotor** *Maintenance and repair of motor vehicles*
		45202	**Menyembur dan mengecat** *Spraying and painting*
		45203	**Mencuci dan mengilap (cuci kereta)** *Washing and polishing (car wash)*
		45204	**Pembaikan tempat duduk kenderaan bermotor** *Repair or motor vehicle seats*
		45205	**Pemasangan komponen (termasuk alat ganti) dan aksesori bukan sebahagian daripada proses pembuatan** *Installation of parts and accessories not as part of the manufacturing process*
	453		**Jualan komponen (termasuk alat ganti) dan aksesori kenderaan bermotor** *Sale of motor vehicle parts and accessories*
		45300	**Jualan borong dan runcit semua jenis komponen, alat ganti, bekalan, peralatan dan aksesori kenderaan bermotor** *Wholesale and retail sale of all kinds of parts, components, supplies, tools and accessories for motor vehicles*
	454		**Jualan, penyelenggaraan dan pembaikan motosikal dan komponen (termasuk alat ganti) dan aksesori berkaitan** *Sale, maintenance and repair of motorcycles and related parts and accessories*
		45401	**Jualan borong dan runcit motosikal** *Wholesale and retail sale of motorcycles*
		45402	**Jualan borong dan runcit komponen (termasuk alat ganti) dan aksesori motosikal** *Wholesale and retail sale of parts and accessories for motorcycles*
		45403	**Pembaikan dan penyelenggaraan motosikal** *Repair and maintenance of motorcycles*

GLOSARI
Glossary

INDEKS VOLUM PERDAGANGAN BORONG & RUNCIT
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GLOSARI
GLOSSARY

Jualan Borong Berdasarkan Yuran atau Kontrak

Termasuk agen komisyen, broker komoditi dan semua pemborong lain yang berdagang bagi pihak dan dengan akaun orang lain, mereka yang menemukan penjual dan pembeli atau menjalankan transaksi komersil bagi pihak majikan. Termasuk juga aktiviti jual borong pusat lelongan.

Wholesale on a Fee or Contract Basis

Includes activities of commission agents, commodity brokers and all other wholesalers who trade on behalf and on the account of others, activities or those involved in bringing sellers and buyers together or undertaking commercfial transactions on behalf of a principal. Also included are activities of wholesale auctioneering houses.

Lain-lain Pengkhususan Jual Borong

Kumpulan ini termasuk aktiviti jual borong pengkhususan lain yang tidak terkelas dalam kumpulan lain. Ini juga termasuk jual borong produk perantara, kecuali pertanian, biasanya bukan untuk kegunaan isi rumah.

Other Specialised Wholesale

This group includes other specialized wholesale activities not classified in the other groups.This also includes wholesale of intermediate products, except agriculture, typically not for household use.

Jual Borong Tanpa Pengkhususan

Kumpulan ini termasuk jual borong pelbagai barangan tanpa sebarang pengkhususan tertentu.

Non-Specialized Wholesale

This group includes the wholesale of a variety of goods without any particular specialization.

Jualan Runcit di Stor Tanpa Pengkhususan

Kumpulan ini termasuk jualan runcit pelbagai keluaran produk dalam unit yang sama, seperti kedai runcit, pasar raya, pasar mini, kedai *convenience*, gedung serbaneka dan pasar raya besar.

Retail Sales in Non-Specialised Stores

This group includes the retail sale of a variety of product lines in the same unit, such as provision stores, supermarkets, mini markets, convenience stores, department stores and hypermarkets.

Indeks Volum Nilai Jualan

Indeks volum bagi nilai jualan mengukur jualan dalam satu tempoh masa dalam bentuk volum (kuantiti yang dijual). Bagi mendapatkan volum nilai jualan, indeks nilai bagi jualan dibahagikan dengan Indeks Harga Pengguna dan Indeks Harga Pengeluar (yang mana berkenaan) untuk menyingkirkan pengaruh harga kepada nilai jualan.

Volume Index of Sales

The volume of sales index measures the sales over time in volume terms (quantity sold). In order to determine the volume of sales index, the value of sales index is divided by the Consumer Price Index and Producer Price Index (where applicable) to allow removing price effects on turnover.

Kadar Pertumbuhan Tahun-ke-Tahun (YoY)

Kadar pertumbuhan tahun-ke-tahun membandingkan satu tempoh (kebiasaannya satu bulan atau suku tahun) dengan tempoh sama tahun sebelumnya dengan mengukur peratus perubahan.

Year-on-Year Growth Rate (YoY)

Year-on-year growth rate compares a period (typically a month or quarter) with the same period from the previous year, measuring the percentage change.

Kadar Pertumbuhan Suku Tahun ke Suku Tahun (QoQ)

Kadar pertumbuhan Suku Tahun ke Suku Tahun membandingkan satu suku tahun dengan suku tahun sebelumnya dengan mengukur peratus perubahan.

Quarter-on-Quarter Growth Rate (QoQ)

Quarter-on-Quarter growth rate compares one quarter with the previous quarter, measuring the percentage change.

Pelarasan Musim

Pelarasan musim adalah satu proses untuk mengenalpasti dan menyingkirkan pola musim yang biasa berlaku dalam tempoh tertentu, yang mungkin juga merangkumi pengaruh dari kesan cuti yang bergerak dan hari bekerja/ berdagang.

Seasonal Adjustment

Seasonal adjustment is a process to identify and to remove seasonal pattern within a period, which may also include the influences of moving holidays and working/ trading days effect in each period.

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