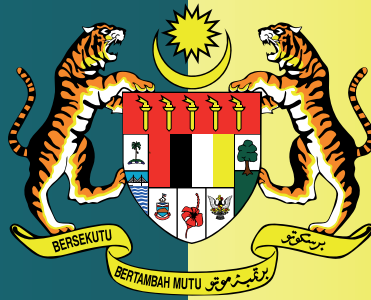


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MALAYSIA

AKAUN PEMBEKALAN DAN PENGGUNAAN KOMODITI PERTANIAN TERPILIH

*SUPPLY AND UTILIZATION ACCOUNTS
SELECTED AGRICULTURAL COMMODITIES*

2007-2011



Jabatan Perangkaan
MALAYSIA

Jabatan Perangkaan Malaysia
Department of Statistics, Malaysia

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KATA PENGANTAR

Akaun Pembekalan dan Penggunaan Komoditi Pertanian Terpilih, Malaysia, 2012 meliputi 28 komoditi pertanian terpilih bagi tempoh 2007 hingga 2011. Semua 23 komoditi dalam penerbitan yang lalu dikekalkan dengan tambahan lima item daripada perikanan. Penyusunan Akaun Pembekalan dan Penggunaan (SUA) ini adalah berdasarkan konsep dan metodologi seperti yang digariskan oleh *Food and Agriculture Organization of the United Nations* (FAO).

Beberapa indikator pertanian telah dihasilkan daripada penyediaan SUA seperti kadar sara diri (SSR), kadar kebergantungan import (IDR) dan penggunaan per kapita (PCC). Indikator ini boleh membantu penyelidik dan pembuat dasar menilai situasi semasa dan merancang pembangunan sektor pertanian demi kemajuan negara serta kesejahteraan rakyat.

Jabatan merakamkan penghargaan dan terima kasih kepada semua pihak yang terlibat dalam menyumbang kepada penerbitan ini. Ulasan dan cadangan ke arah memperbaiki penerbitan ini pada masa hadapan amatlah dihargai.

DR. HAJI ABDUL RAHMAN BIN HASAN

Ketua Perangkawan Malaysia

Disember 2012

PREFACE

Supply and Utilization Accounts of Selected Agricultural Commodities, Malaysia, 2012 covers 28 selected agricultural commodities for the period 2007 to 2011. All 23 commodities in the past publication are retained with additional five items from fisheries. The compilation of the Supply and Utilization Accounts (SUA) tables is based on the concepts and methodology outlined by the Food and Agriculture Organization of the United Nations (FAO).

Several agriculture indicators are generated from SUA such as self-sufficiency ratio (SSR), import dependency ratio (IDR) and per capita consumption (PCC). These indicators could assist researchers and policy makers assess the current situation and plan the development of the country's agricultural sector for the progress and wellbeing of the people.

The Department would like to express its appreciation and gratitude to all parties involved in contributing to this publication. Comments and suggestions towards improving future publications are greatly appreciated.

DR. HAJI ABDUL RAHMAN BIN HASAN

Chief Statistician, Malaysia

December 2012

KANDUNGAN CONTENTS

	Muka surat
	<i>Page</i>
Kata pengantar	iii
<i>Preface</i>	
Senarai jadual	vi
<i>List of tables</i>	
Ringkasan penemuan	1
<i>Summary findings</i>	13
Jadual	25
<i>Tables</i>	
Nota teknikal	53
<i>Technical notes</i>	61
Sumber data	67
<i>Data source</i>	
Rujukan	69
<i>Reference</i>	

SENARAI JADUAL
LIST OF TABLES

Jadual <i>Table</i>	Muka surat <i>Page</i>
1 Akaun pembekalan dan penggunaan bagi kelapa, Malaysia, 2007-2011 <i>Supply and utilization accounts for coconut, Malaysia, 2007-2011</i>	25
2 Akaun pembekalan dan penggunaan bagi nanas, Malaysia, 2007-2011 <i>Supply and utilization accounts for pineapple, Malaysia, 2007-2011</i>	26
3 Akaun pembekalan dan penggunaan bagi pisang, Malaysia, 2007-2011 <i>Supply and utilization accounts for banana, Malaysia, 2007-2011</i>	27
4 Akaun pembekalan dan penggunaan bagi tembikai, Malaysia, 2007-2011 <i>Supply and utilization accounts for watermelon, Malaysia, 2007-2011</i>	28
5 Akaun pembekalan dan penggunaan bagi mangga, Malaysia, 2007-2011 <i>Supply and utilization accounts for mango, Malaysia, 2007-2011</i>	29
6 Akaun pembekalan dan penggunaan bagi rambutan, Malaysia, 2007-2011 <i>Supply and utilization accounts for rambutan, Malaysia, 2007-2011</i>	30
7 Akaun pembekalan dan penggunaan bagi durian, Malaysia, 2007-2011 <i>Supply and utilization accounts for durian, Malaysia, 2007-2011</i>	31
8 Akaun pembekalan dan penggunaan bagi manggis, Malaysia, 2007-2011 <i>Supply and utilization accounts for mangosteen, Malaysia, 2007-2011</i>	32
9 Akaun pembekalan dan penggunaan bagi cempedak/nangka, Malaysia, 2007-2011 <i>Supply and utilization accounts for jackfruit, Malaysia, 2007-2011</i>	33

SENARAI JADUAL
LIST OF TABLES

Jadual <i>Table</i>	Muka surat <i>Page</i>
10 Akaun pembekalan dan penggunaan bagi jagung manis, Malaysia, 2007-2011 <i>Supply and utilization accounts for sweet corn, Malaysia, 2007-2011</i>	34
11 Akaun pembekalan dan penggunaan bagi kubis bulat, Malaysia, 2007-2011 <i>Supply and utilization accounts for round cabbage, Malaysia, 2007-2011</i>	35
12 Akaun pembekalan dan penggunaan bagi tomato, Malaysia, 2007-2011 <i>Supply and utilization accounts for tomato, Malaysia, 2007-2011</i>	36
13 Akaun pembekalan dan penggunaan bagi cili, Malaysia, 2007-2011 <i>Supply and utilization accounts for chilli, Malaysia, 2007-2011</i>	37
14 Akaun pembekalan dan penggunaan bagi timun, Malaysia, 2007-2011 <i>Supply and utilization accounts for cucumber, Malaysia, 2007-2011</i>	38
15 Akaun pembekalan dan penggunaan bagi sawi, Malaysia, 2007-2011 <i>Supply and utilization accounts for mustard, Malaysia, 2007-2011</i>	39
16 Akaun pembekalan dan penggunaan bagi terung, Malaysia, 2007-2011 <i>Supply and utilization accounts for brinjal, Malaysia, 2007-2011</i>	40
17 Akaun pembekalan dan penggunaan bagi kacang panjang, Malaysia, 2007-2011 <i>Supply and utilization accounts for long bean, Malaysia, 2007-2011</i>	41
18 Akaun pembekalan dan penggunaan bagi bendi, Malaysia, 2007-2011 <i>Supply and utilization accounts for lady's finger, Malaysia, 2007-2011</i>	42

SENARAI JADUAL
LIST OF TABLES

Jadual <i>Table</i>	Muka surat <i>Page</i>
19 Akaun pembekalan dan penggunaan bagi bayam, Malaysia, 2007-2011 <i>Supply and utilization accounts for spinach, Malaysia, 2007-2011</i>	43
20 Akaun pembekalan dan penggunaan bagi daging lembu/kerbau, Malaysia, 2007-2011 <i>Supply and utilization accounts for beef, Malaysia, 2007-2011</i>	44
21 Akaun pembekalan dan penggunaan bagi daging kambing/bebiri Malaysia, 2007-2011 <i>Supply and utilization accounts for mutton, Malaysia, 2007-2011</i>	45
22 Akaun pembekalan dan penggunaan bagi daging babi, Malaysia, 2007-2011 <i>Supply and utilization accounts for pork, Malaysia, 2007-2011</i>	46
23 Akaun pembekalan dan penggunaan bagi telur ayam/itik, Malaysia, 2007-2011 <i>Supply and utilization accounts for chicken/duck egg, Malaysia, 2007-2011</i>	47
24 Akaun pembekalan dan penggunaan bagi udang, Malaysia, 2007-2011 <i>Supply and utilization accounts for shrimp, Malaysia, 2007-2011</i>	48
25 Akaun pembekalan dan penggunaan bagi tuna, Malaysia, 2007-2011 <i>Supply and utilization accounts for tuna, Malaysia, 2007-2011</i>	49
26 Akaun pembekalan dan penggunaan bagi mackerel, Malaysia, 2007-2011 <i>Supply and utilization accounts for mackerel, Malaysia, 2007-2011</i>	50

SENARAI JADUAL
LIST OF TABLES

Jadual <i>Table</i>	Muka surat <i>Page</i>
27 Akaun pembekalan dan penggunaan bagi ketam, Malaysia, 2007-2011 <i>Supply and utilization accounts for crab, Malaysia, 2007-2011</i>	51
28 Akaun pembekalan dan penggunaan bagi sotong, Malaysia, 2007-2011 <i>Supply and utilization accounts for cuttlefish, Malaysia, 2007-2011</i>	52

RINGKASAN PENEMUAN

RINGKASAN PENEMUAN

1. Tanaman

1.1 Kelapa

Kelapa mencatatkan pengeluaran tertinggi berbanding tanaman terpilih lain dengan purata 490.1 ribu tan metrik setahun. Walaupun pengeluarannya merosot pada 2008 dan 2009 tetapi mula menunjukkan peningkatan pada tahun berikutnya dengan mencatatkan rekod tertinggi pada 2011 iaitu 562.6 ribu tan metrik. Jumlah import dan eksport menunjukkan trend menaik bagi tempoh 2007 hingga 2011. Peningkatan eksport amat ketara pada 2011 dengan 55.6 ribu tan metrik berbanding tahun sebelumnya 12.3 ribu tan metrik.

1.2 Nanas

Pengeluaran nanas merekodkan kenaikan pada 2008 namun mula merosot pada tahun berikutnya. Purata pengeluaran tahunan ialah 329.5 ribu tan metrik dengan purata peratus perubahan tahunan 6.1 peratus.

1.3 Buah-buahan terpilih

Durian mencatatkan purata pengeluaran tertinggi iaitu 305.8 ribu tan metrik diikuti oleh pisang (290.4 ribu tan metrik) dan tembikai (213.9 ribu tan metrik). Purata pengeluaran buah-buahan terpilih lain adalah di antara 22.4 dan 71.8 ribu tan metrik sahaja. Purata eksport bagi tembikai mencatatkan rekod tertinggi iaitu 59.8 ribu tan metrik. Mangga mencatatkan purata import tertinggi iaitu 32.6 ribu tan metrik.

1.4 Sayur-sayuran terpilih

Pada 2011, kubis bulat, tomato dan sawi masing-masing mencatatkan pengeluaran 179.3, 137.1 dan 128.6 ribu tan metrik. Sawi mencatatkan purata pengeluaran tertinggi iaitu 105.8 ribu tan metrik. Purata pengeluaran sayur-sayuran terpilih lain adalah di antara 23.9 dan 81.3 ribu tan metrik sahaja. Purata eksport tomato dan timun merupakan yang tertinggi dengan masing-masing 27.9 dan 22.5 ribu tan metrik. Purata import kubis bulat dan cili mendahului yang lain dengan masing-masing 36.1 dan 29.5 ribu tan metrik.

2. Ternakan terpilih

Pengeluaran bagi semua ternakan terpilih kecuali daging babi menunjukkan peningkatan bagi tempoh 2007 hingga 2011. Pengeluaran telur ayam/itik merupakan penyumbang terbesar kepada penggunaan domestik dengan purata pengeluaran 556.4 ribu tan metrik bagi tempoh lima tahun. Ia juga menunjukkan purata imbalan perdagangan yang positif, yang mana purata eksportnya sangat tinggi iaitu 81.1 ribu tan metrik berbanding import 0.3 ribu tan metrik. Kebergantungan terhadap import bagi daging lembu/kerbau dan kambing/bebiri adalah sangat tinggi disebabkan pengeluaran rendah yang tidak dapat menampung keperluan domestik.

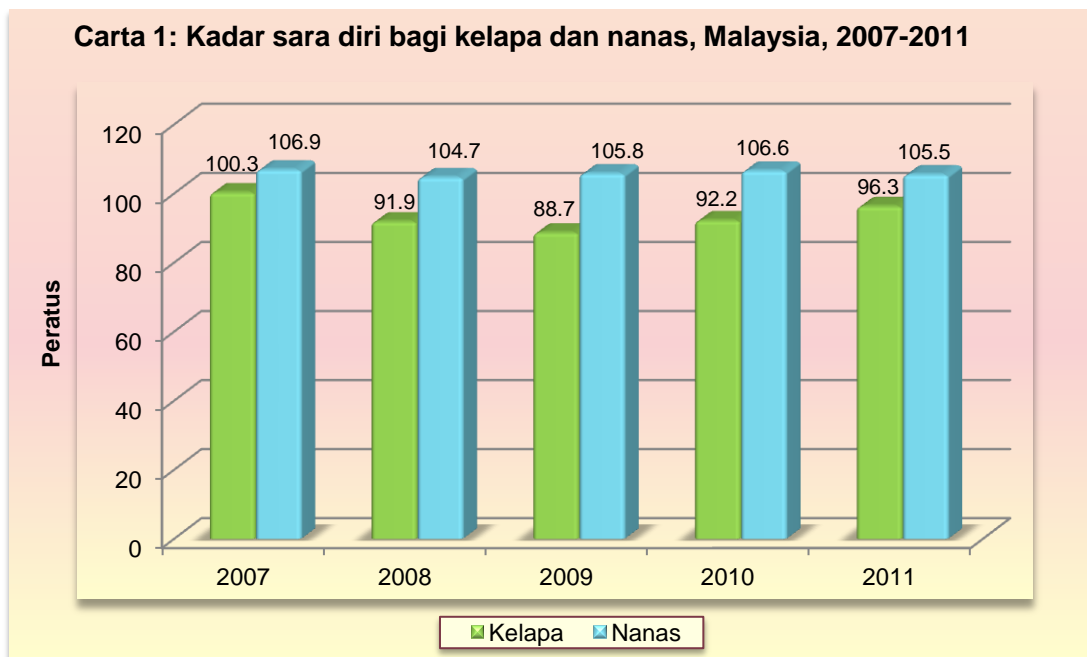
3. Perikanan terpilih

Mackerel dan udang masing-masing mencatatkan purata pengeluaran tertinggi dengan 200.8 dan 157.0 ribu tan metrik. Item perikanan terpilih lain merekodkan purata pengeluaran di antara 12.4 dan 79.8 ribu tan metrik. Purata eksport tertinggi ialah udang dengan 66.2 ribu tan metrik manakala mackerel mencatatkan purata import tertinggi dengan 37.9 ribu tan metrik.

4. Indikator pertanian terpilih

4.1 Kadar sara diri (SSR)

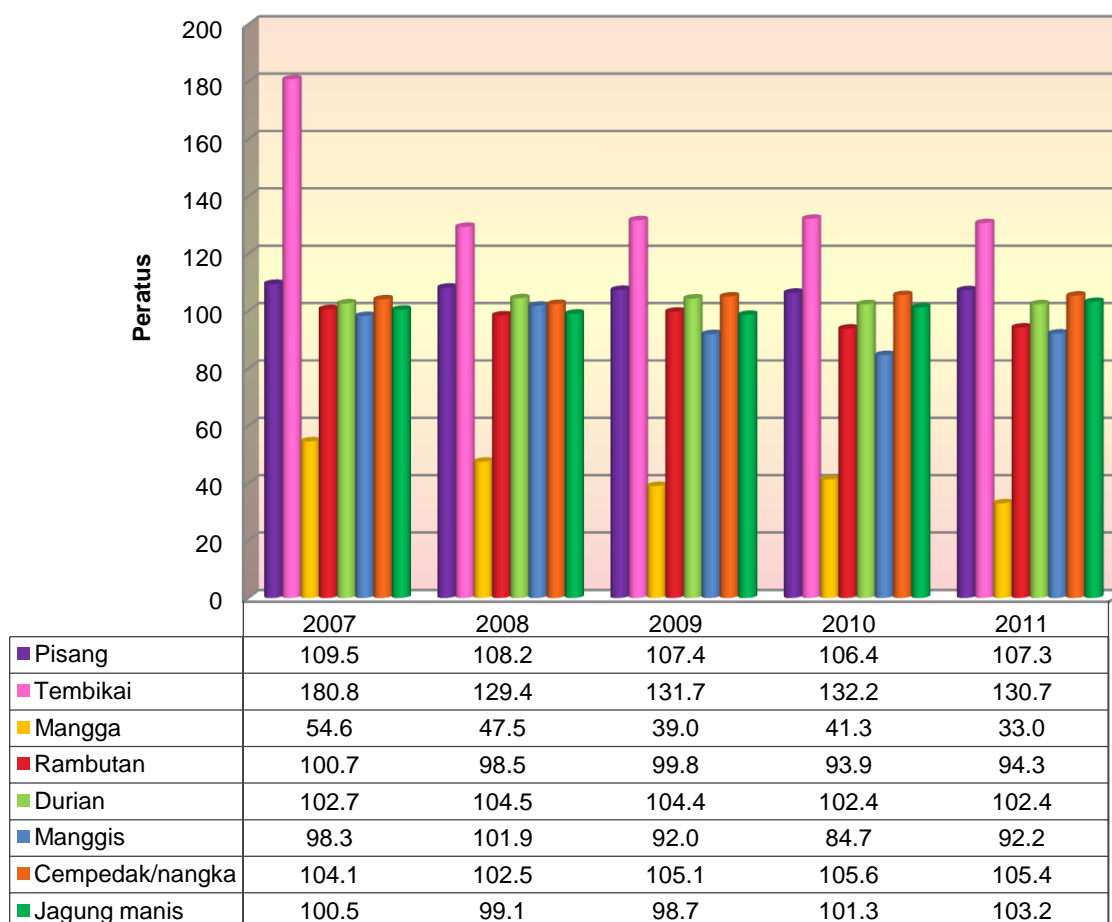
Pada 2011, pengeluaran kelapa meningkat kepada 562.6 ribu tan metrik berbanding 550.1 ribu tan metrik pada 2010. Walaupun SSR berada di bawah paras 100 peratus, peningkatan pengeluaran telah menyumbang kepada kenaikan dalam SSR kepada 96.3 peratus pada 2011 berbanding 92.2 peratus pada 2010. SSR bagi nanas pula berada pada paras melebihi 100 peratus bagi tempoh 2007 hingga 2011, namun sedikit menurun ke paras 105.5 peratus pada 2011 berbanding 106.6 peratus pada 2010. (Carta 1 dan Jadual A)



Pisang, tembikai, durian dan cempedak/nangka mengekalkan SSR melebihi 100 peratus bagi tempoh 2007 hingga 2011. Jagung manis mencatatkan SSR kurang daripada 100 peratus pada 2008 dan 2009. Peningkatan pengeluaran jagung manis pada 2010 dan 2011 menyebabkan kebergantungan kepada import berkurang dan menyumbang kepada kenaikan SSR masing-masing ke paras 101.3 dan

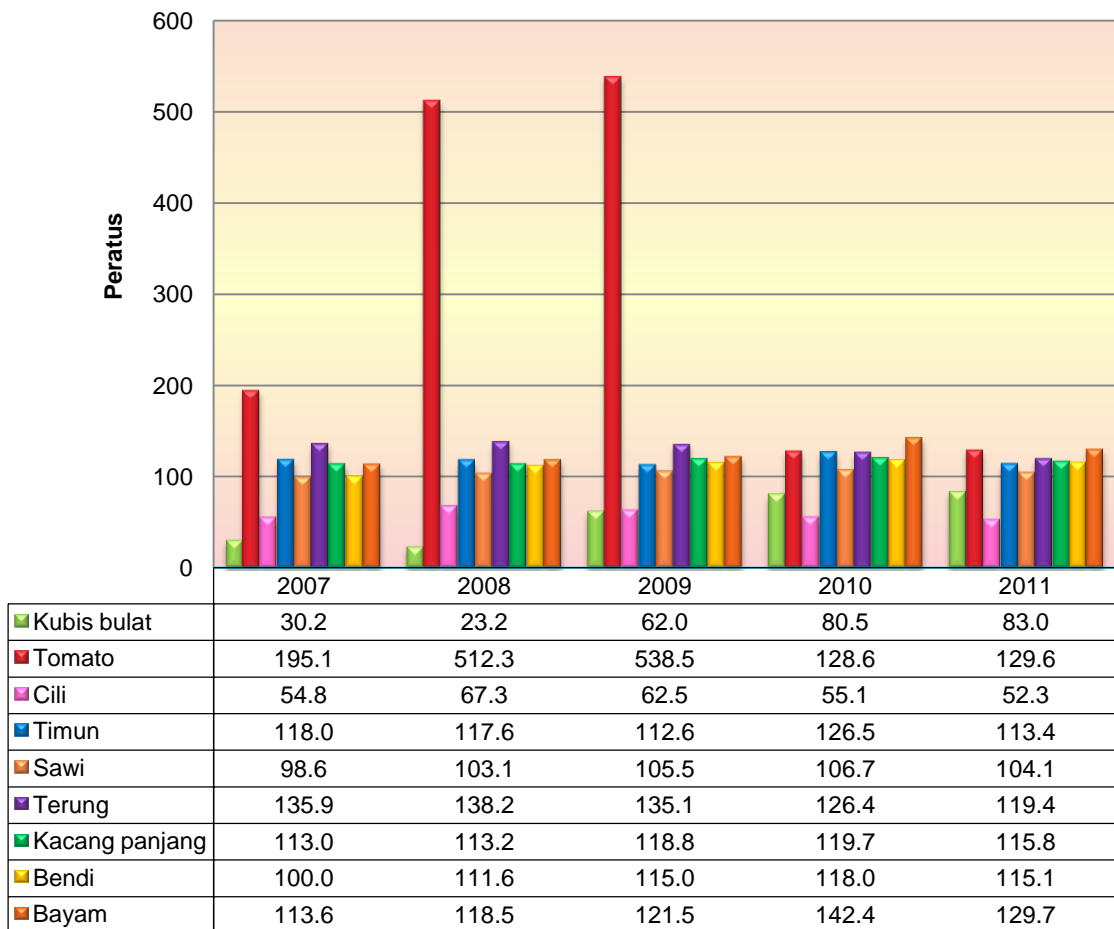
103.2 peratus. Pada 2011, SSR rambutan dan manggis masing-masing menunjukkan kenaikan 94.3 dan 92.2 peratus berbanding 93.9 dan 84.7 peratus pada 2010. Mangga mencatatkan purata SSR paling rendah dengan 42.1 peratus. (**Carta 2 dan Jadual A**)

Carta 2: Kadar sara diri bagi buah-buahan terpilih, Malaysia, 2007-2011



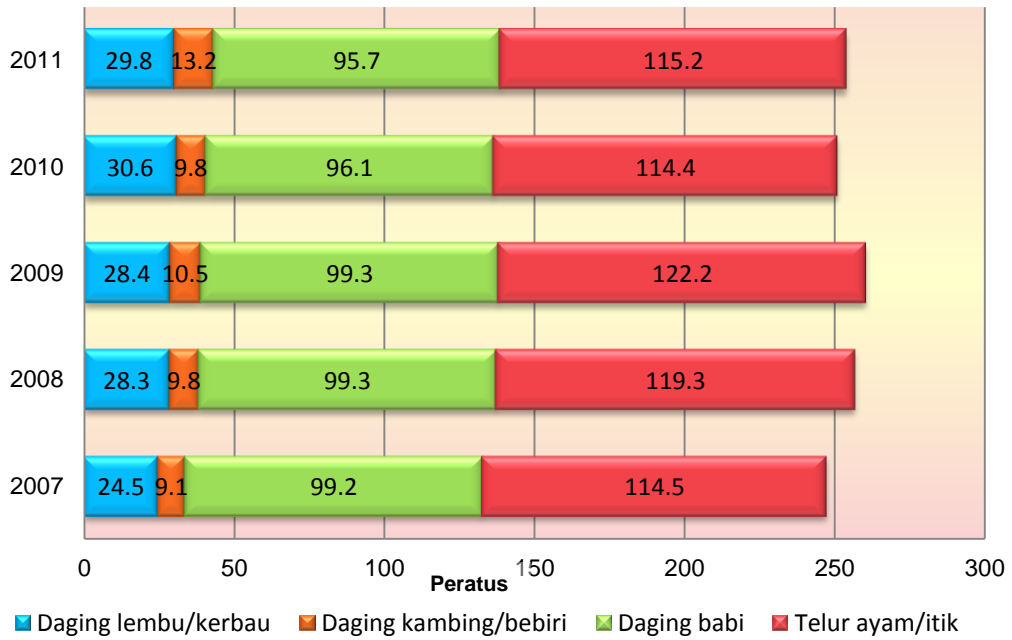
Tomato, timun, terung, kacang panjang, bendi dan bayam mencapai paras SSR melebihi 100 peratus bagi tempoh 2007 hingga 2011. Mulai 2008, sawi mencatatkan SSR melebihi 100 peratus. Kubis bulat dan cili masing-masing merekodkan purata tahunan SSR iaitu 70.3 dan 58.2 peratus. (**Carta 3 dan Jadual A**)

Carta 3: Kadar sara diri bagi sayur-sayuran terpilih, Malaysia, 2007-2011



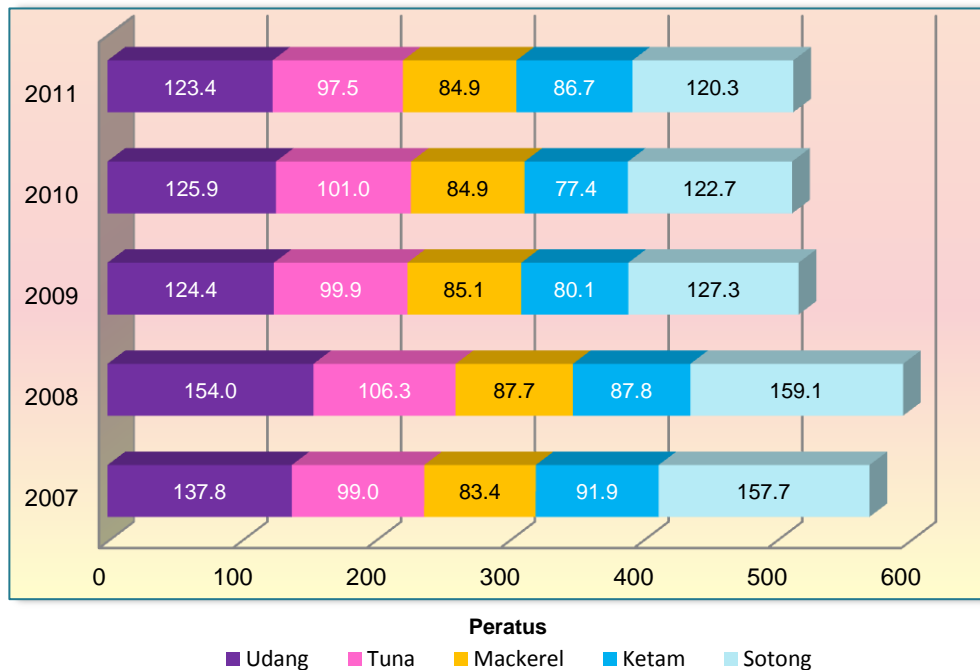
Pada tempoh rujukan, hanya telur ayam/itik mencatatkan SSR melebihi 100 peratus. Ini berikutan pengeluaran telur ayam/itik yang meningkat daripada 492.1 ribu tan metrik pada 2007 kepada 621.5 ribu tan metrik pada 2011. Pengeluaran daging babi menyumbang 97.3 peratus daripada jumlah purata pembekalan dengan purata SSR 97.8 peratus. Daging kambing/bebiri pula mencatatkan purata SSR paling rendah iaitu 10.5 peratus. **(Carta 4 dan Jadual A)**

Carta 4: Kadar sara diri bagi hasilan ternakan terpilih, Malaysia, 2007-2011



Udang, sotong dan tuna merekodkan purata SSR melebihi 100 peratus, sebaliknya mackerel dan ketam masing-masing dengan purata SSR 85.2 dan 84.4 peratus. (**Carta 5 dan Jadual A**)

Carta 5: Kadar sara diri bagi item perikanan terpilih, Malaysia, 2007-2011



Jadual A: Kadar sara diri (SSR) bagi item tanaman, ternakan dan perikanan terpilih, Malaysia, 2007-2011

Item tanaman, ternakan dan perikanan terpilih	2007	2008	2009	2010	2011	Purata
Tanaman						
Kelapa	100.3	91.9	88.7	92.2	96.3	94.1
Nanas	106.9	104.7	105.8	106.6	105.5	105.8
Pisang	109.5	108.2	107.4	106.4	107.3	107.7
Tembikai	180.8	129.4	131.7	132.2	130.7	136.5
Mangga	54.6	47.5	39.0	41.3	33.0	42.1
Rambutan	100.7	98.5	99.8	93.9	94.3	97.5
Durian	102.7	104.5	104.4	102.4	102.4	103.2
Manggis	98.3	101.9	92.0	84.7	92.2	93.8
Cempedak/hangka	104.1	102.5	105.1	105.6	105.4	104.4
Jagung manis	100.5	99.1	98.7	101.3	103.2	100.9
Kubis bulat	30.2	23.2	62.0	80.5	83.0	70.3
Tomato	195.1	512.3	538.5	128.6	129.6	151.9
Cili	54.8	67.3	62.5	55.1	52.3	58.2
Timun	118.0	117.6	112.6	126.5	113.4	117.1
Sawi	98.6	103.1	105.5	106.7	104.1	103.9
Terung	135.9	138.2	135.1	126.4	119.4	128.9
Kacang panjang	113.0	113.2	118.8	119.7	115.8	116.1
Bendi	100.0	111.6	115.0	118.0	115.1	112.2
Bayam	113.6	118.5	121.5	142.4	129.7	124.1
Ternakan						
Daging lembu/kerbau	24.5	28.3	28.4	30.6	29.8	28.4
Daging kambing/bebiri	9.1	9.8	10.5	9.8	13.2	10.5
Daging babi	99.2	99.3	99.3	96.1	95.7	97.8
Telur ayam/itik	114.5	119.3	122.2	114.4	115.2	117.0
Perikanan						
Udang	137.8	154.0	124.4	125.9	123.4	130.6
Tuna	99.0	106.3	99.9	101.0	97.5	100.7
Mackerel	83.4	87.7	85.1	84.9	84.9	85.2
Ketam	91.9	87.8	80.1	77.4	86.7	84.4
Sotong	157.7	159.1	127.3	122.7	120.3	135.9

4.2 Kadar kebergantungan import (IDR)

Mangga mencatatkan purata IDR tertinggi berbanding buah-buahan lain dengan 61.4 peratus bagi tempoh 2007 hingga 2011. Manakala nanas, pisang dan cempedak/nangka mencatatkan purata IDR yang sangat rendah iaitu di bawah paras 1.0 peratus.

Kubis bulat, cili dan timun bergantung kepada bekalan import yang tinggi bagi tempoh 2007 hingga 2011. Cili merekodkan purata IDR tertinggi iaitu 51.5 peratus. Mulai 2009 hingga 2011, IDR kubis bulat berkurang disebabkan peningkatan drastik dalam pengeluaran bagi tempoh tersebut. IDR tomato mencatatkan pengurangan ketara iaitu 1.6 peratus pada 2010 dan 1.5 peratus pada 2011 berbanding tiga tahun sebelumnya. Ini berpunca daripada lonjakan pengeluaran di samping pengurangan dalam import. Sayur-sayuran terpilih lain mencatatkan purata IDR yang rendah di antara 0.1 dan 5.6 peratus.

Import daging kambing/bebiri dan daging lembu/kerbau adalah tinggi kerana pengeluaran tidak mencukupi untuk menampung keperluan domestik. Ini telah menyumbang kepada peningkatan IDR. Purata IDR bagi kedua-dua hasil ternakan ini masing-masing adalah 89.7 dan 73.4 peratus. Manakala IDR daging babi dan telur ayam/itik kekal rendah terutama telur ayam/itik dengan purata IDR 0.1 peratus.

Import udang telah meningkat kepada 39.5 ribu tan metrik pada 2011 berbanding 34.3 ribu tan metrik pada 2010. Peningkatan ini telah menaikkan IDR daripada 21.1 peratus kepada 27.4 peratus. Di antara lima item perikanan, IDR udang adalah yang tertinggi dengan purata 24.5 peratus, manakala purata IDR tuna adalah yang terendah iaitu 5.6 peratus. (**Jadual B**)

Jadual B: Kadar kebergantungan import (IDR) bagi item tanaman, ternakan dan perikanan terpilih, Malaysia, 2007-2011

Item tanaman, ternakan dan perikanan terpilih	2007	2008	2009	2010	2011	Purata
Tanaman						
Kelapa	-	8.8	12.3	9.8	13.2	8.9
Nanas	0.4	0.3	0.2	0.4	0.7	0.4
Pisang	0.1	0.2	0.2	0.5	0.7	0.4
Tembikai	1.4	1.3	1.1	2.0	2.3	1.7
Mangga	49.0	56.8	65.3	61.8	69.7	61.4
Rambutan	1.6	3.3	2.8	7.8	7.4	4.5
Durian	2.0	2.8	2.6	2.9	3.1	2.7
Manggis	6.8	5.0	17.2	19.4	17.1	12.9
Cempedak/hangka	0.1	0.0	0.0	0.2	0.0	0.1
Jagung manis	4.4	5.5	8.9	5.0	2.5	5.0
Kubis bulat	70.9	79.8	39.4	21.3	18.0	31.2
Tomato	34.7	64.7	48.7	1.6	1.5	6.5
Cili	54.4	41.9	46.3	56.1	58.0	51.5
Timun	31.2	31.4	21.7	25.9	21.4	25.6
Sawi	1.4	1.3	2.3	1.8	1.9	1.7
Terung	5.2	6.0	7.0	4.9	5.5	5.6
Kacang panjang	0.6	0.4	0.4	0.8	1.5	0.8
Bendi	0.0	0.2	0.2	0.2	0.2	0.1
Bayam	2.5	2.5	1.2	1.5	1.4	1.8
Ternakan						
Daging lembu/kerbau	76.4	73.4	73.1	71.8	72.4	73.4
Daging kambing/bebiri	90.9	90.4	89.5	90.6	87.2	89.7
Daging babi	1.3	1.2	1.9	4.2	4.5	2.8
Telur ayam/itik	0.1	0.1	0.1	0.0	0.0	0.1
Perikanan						
Udang	37.4	20.2	20.5	21.1	27.4	24.5
Tuna	7.6	6.9	4.7	4.7	4.6	5.6
Mackerel	17.8	13.3	15.6	16.4	17.3	16.1
Ketam	15.7	23.7	27.7	30.2	19.3	23.6
Sotong	18.8	20.2	22.1	24.0	24.1	22.0

4.3 Penggunaan per kapita (PCC)

PCC kelapa merupakan yang tertinggi di antara semua tanaman terpilih dengan purata 15.2 kilogram setahun bagi tempoh 2007 hingga 2011. Ini bermakna secara purata, seorang penduduk Malaysia menggunakan 15.2 kilogram kelapa setahun atau 41.6 gram sehari.

Durian, pisang dan nanas lebih digemari oleh penduduk negara ini dengan masing-masing mencatatkan purata PCC 10.2, 9.0 dan 8.2 kilogram setahun. Purata PCC bagi tembikai, mangga, manggis, cempedak/nangka, rambutan dan jagung manis mencatatkan PCC di antara 1.0 dan 5.2 kilogram setahun.

Purata PCC bagi tomato, cili, timun, terung, kacang panjang, bendi dan bayam tidak melebihi 1.8 kilogram setahun. Kubis bulat dan sawi pula masing-masing mencatatkan purata PCC 3.8 dan 3.5 kilogram setahun.

Telur ayam/itik mencatatkan purata PCC tertinggi iaitu 15.4 kilogram setahun, manakala purata PCC daging kambing/bebiri adalah terendah iaitu 0.8 kilogram setahun.

Mackerel mencatatkan rekod tertinggi dengan purata PCC 8.2 kilogram setahun, sebaliknya ketam mencatatkan purata PCC terendah iaitu 0.5 kilogram setahun. (**Jadual C**)

Jadual C: Penggunaan per kapita (PCC) bagi item tanaman, ternakan dan perikanan terpilih, Malaysia, 2007-2011

(Kg)

Item tanaman, ternakan dan perikanan terpilih	2007	2008	2009	2010	2011	Purata
Tanaman						
Kelapa	14.9	13.7	11.0	18.4	17.8	15.2
Nanas	5.6	10.3	9.2	8.3	7.7	8.2
Pisang	8.1	8.7	8.6	10.2	9.2	9.0
Tembikai	3.0	5.8	6.1	5.9	5.5	5.2
Mangga	1.5	1.7	1.8	1.8	2.1	1.8
Rambutan	2.6	2.6	2.3	2.4	2.1	2.4
Durian	10.9	9.4	9.2	9.9	11.9	10.2
Manggis	1.2	0.9	0.9	1.0	0.8	1.0
Cempedak/nangka	2.1	2.6	1.9	1.7	1.7	2.0
Jagung manis	1.2	1.2	1.3	1.6	1.9	1.4
Kubis bulat	1.4	1.6	3.3	5.9	7.0	3.8
Tomato	0.5	0.0	0.1	3.2	3.2	1.4
Cili	1.6	1.4	1.3	1.1	1.1	1.3
Timun	1.6	1.6	2.4	1.6	2.0	1.8
Sawi	2.8	4.0	2.8	3.9	4.2	3.5
Terung	0.5	0.5	0.7	0.9	1.0	0.7
Kacang panjang	1.1	1.2	1.1	1.1	1.2	1.1
Bendi	0.7	0.5	0.7	0.7	0.8	0.7
Bayam	1.3	1.3	1.5	1.0	1.2	1.2
Ternakan						
Daging lembu/kerbau	5.2	4.8	5.1	4.9	5.2	5.0
Daging kambing/bebiri	0.7	0.7	0.7	0.9	0.7	0.8
Daging babi*	18.4	17.6	18.3	21.0	20.6	19.2
Telur ayam/itik	14.3	14.2	14.8	16.7	17.2	15.4
Perikanan						
Udang	2.4	2.5	3.8	4.7	4.1	3.5
Tuna	2.2	2.3	2.3	2.4	2.4	2.3
Mackerel	7.8	7.9	8.5	8.6	8.4	8.2
Ketam	0.5	0.4	0.5	0.5	0.4	0.5
Sotong	2.0	1.8	2.3	2.1	2.2	2.1

* Berdasarkan 40 peratus penduduk bukan Islam

SUMMARY FINDINGS

SUMMARY FINDINGS

1. Crops

1.1 Coconut

Coconut recorded the highest production as compared to other selected crops with an average of 490.1 thousand tonnes per annum. Despite the decline in 2008 and 2009, the production of coconut began to show increases in the following years with the highest record of 562.6 thousand tonnes in 2011. The total imports and exports showed a rising trend for the period 2007 to 2011. The rise in the exports was significant in 2011 at 55.6 thousand tonnes as compared to the previous year of 12.3 thousand tonnes.

1.2 Pineapple

In 2008, the production of pineapple recorded a rise but started to decrease in the following years. The average annual production was 329.5 thousand tonnes with an average annual percentage change of 6.1 per cent.

1.3 Selected fruits

Durian recorded the highest average production of 305.8 thousand tonnes, followed by banana (290.4 thousand tonnes) and watermelon (213.9 thousand tonnes). The average productions of other selected fruits were between 22.4 and 71.8 thousand tonnes. Exports of watermelon registered the highest with an average of 59.8 thousand tonnes. Mango topped the imports with an average of 32.6 thousand tonnes.

1.4 Selected vegetables

In 2011, round cabbage, tomato and mustard registered production of 179.3, 137.1 and 128.6 thousand tonnes respectively. Mustard recorded the highest average production of 105.8 thousand tonnes. The average productions of other selected vegetables were between 23.9 and 81.3 thousand tonnes. The average exports for tomato and cucumber were the highest each with 27.9 and 22.5 thousand tonnes. The imports of round cabbage and chilli preceded the rest with an average of 36.1 and 29.5 thousand tonnes respectively.

2. Selected livestock

The production of all the selected livestock with pork as an exception, increased throughout the period 2007 to 2011. Production of chicken/duck egg was the biggest contribution to the domestic utilization with an average of 556.4 thousand tonnes for the five-year period. It also showed a positive balance of trade in which the average exports was very high of 81.1 thousand tonnes and imports 0.3 thousand tonnes. For beef and mutton, the dependency on imports was very high due to the low production that was insufficient to support the domestic requirements.

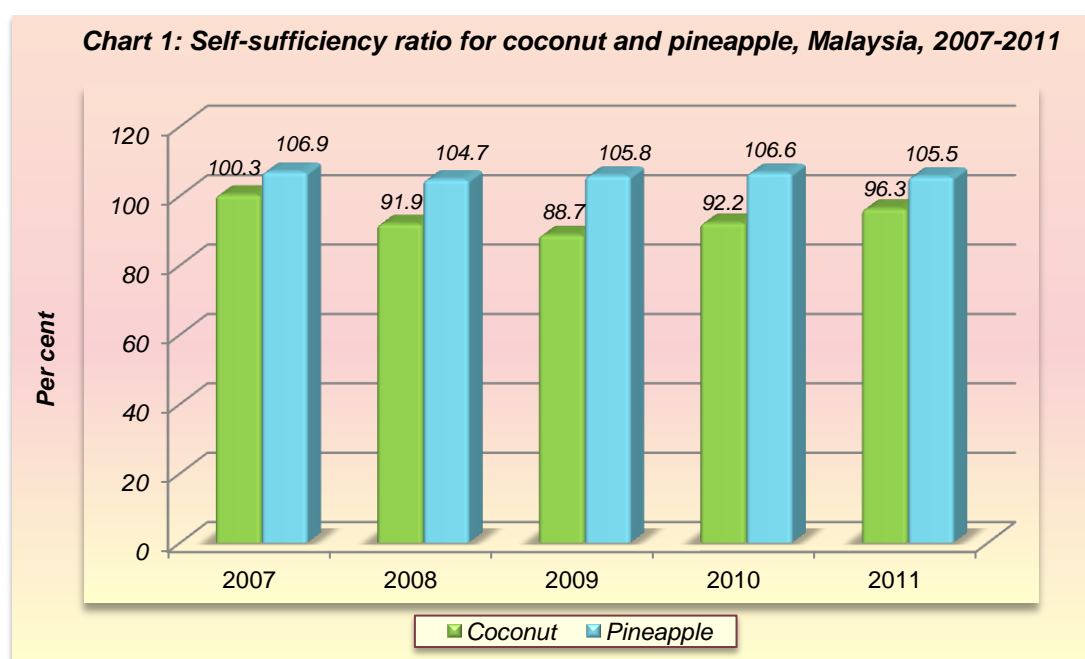
3. Selected fisheries

Mackerel and shrimp achieved the highest average production each with 200.8 and 157.0 thousand tonnes. Others recorded average production between 12.4 and 79.8 thousand tonnes. Shrimp registered the highest average exports of 66.2 thousand tonnes, while mackerel topped the imports at 37.9 thousand tonnes.

4. Selected Agricultural Indicators

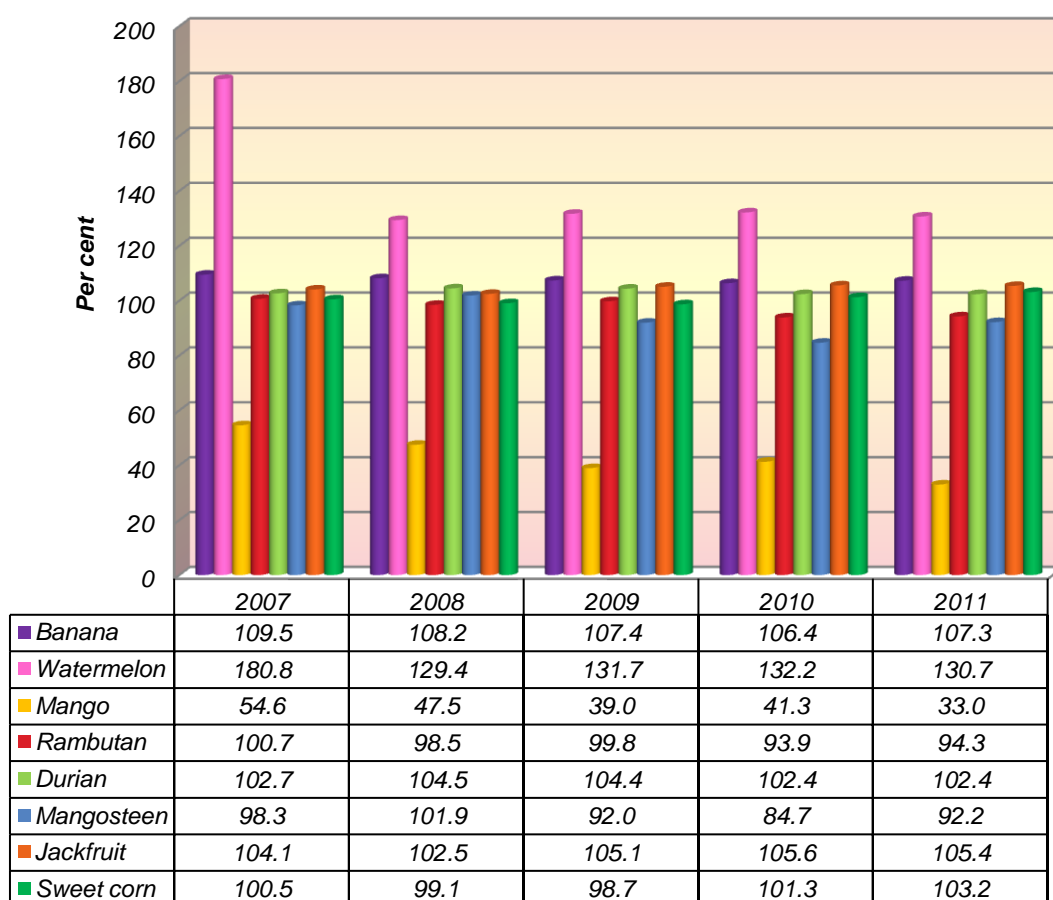
4.1 Self-sufficiency ratio (SSR)

In 2011, the production of coconut rose to 562.6 thousand tonnes as compared to 550.1 thousand tonnes in 2010. Although SSR was below 100 per cent, the increase in production has contributed to the rise in the SSR of 96.3 per cent in 2011 as compared to 92.2 per cent in 2010. The SSR for pineapple remained above 100 per cent for the period 2007 to 2011, whilst marginally decreased to 105.5 per cent in 2011 when compared to 2010 of 106.6 per cent. **(Chart 1 and Table A)**



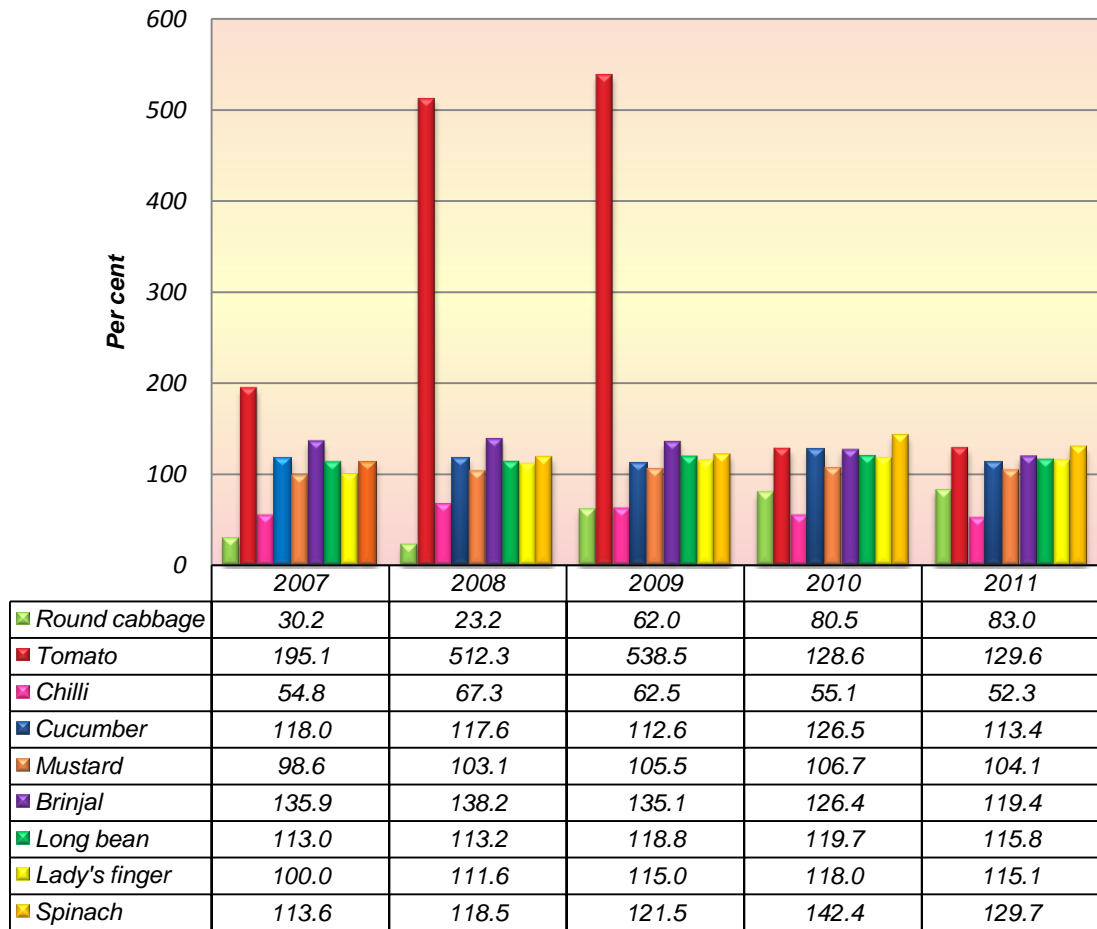
Banana, watermelon, durian and jackfruit sustained SSR more than 100 per cent for the period 2007 to 2011. Sweet corn registered SSR below 100 per cent in 2008 and 2009. The increase in production of sweet corn in 2010 and 2011 has reduced the reliance on imports and boosts the SSR to 101.3 and 103.2 per cent respectively. In 2011, the SSR for rambutan and mangosteen ascended to 94.3 and 92.2 per cent respectively as compared to 93.9 and 84.7 per cent in 2010. Mango recorded the lowest average SSR at 42.1 per cent. **(Chart 2 and Table A)**

Chart 2: Self-sufficiency ratio for selected fruits, Malaysia, 2007-2011



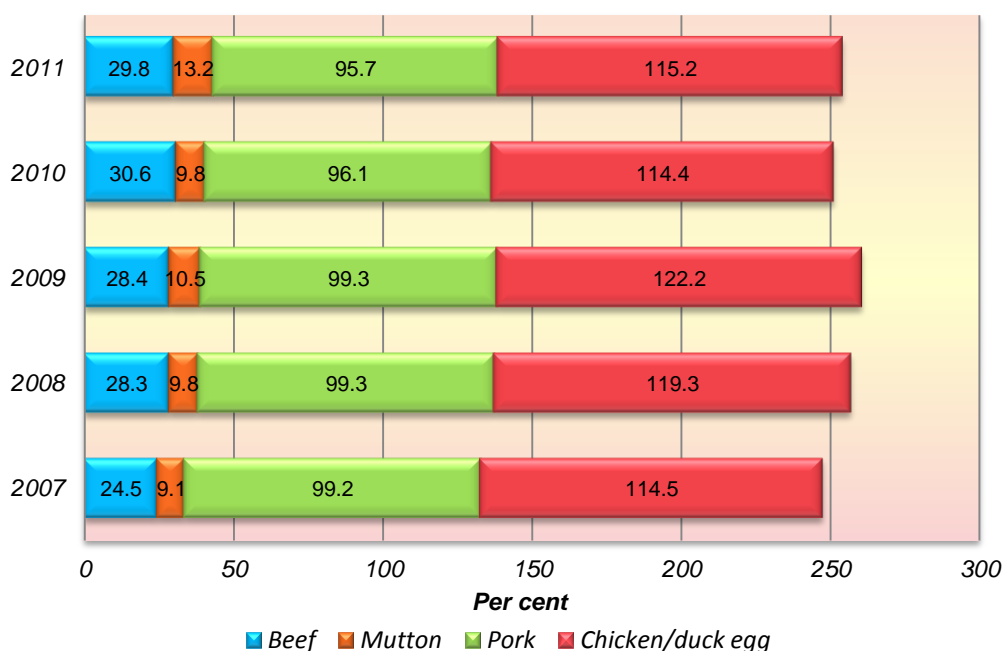
Tomato, cucumber, brinjal, long bean, lady's finger and spinach attained SSR above 100 per cent for the period 2007 to 2011. Mustard registered SSR above 100 per cent since 2008. Round cabbage and chilli recorded average SSR of 70.3 and 58.2 per cent respectively. (Chart 3 and Table A)

Chart 3: Self-sufficiency ratio for selected vegetables, Malaysia, 2007-2011



Chicken/duck egg recorded SSR more than 100 per cent during the reference period. This is due to the increase in production of chicken/duck egg from 492.1 thousand tonnes in 2007 to 621.5 thousand tonnes in 2011. The production of pork contributed 97.3 per cent of the total average supply and achieved average SSR of 97.8 per cent. The average SSR for mutton however was the lowest with 10.5 per cent. (**Chart 4 and Table A**)

Chart 4: Self-sufficiency ratio for livestock products, Malaysia, 2007-2011



Shrimp, cuttlefish and tuna registered average SSR above 100 per cent. However, the average SSR for mackerel and crab was 85.2 per cent and 84.4 per cent respectively. (Chart 5 and Table A)

Chart 5: Self-sufficiency ratio for selected fisheries item, Malaysia, 2007-2011

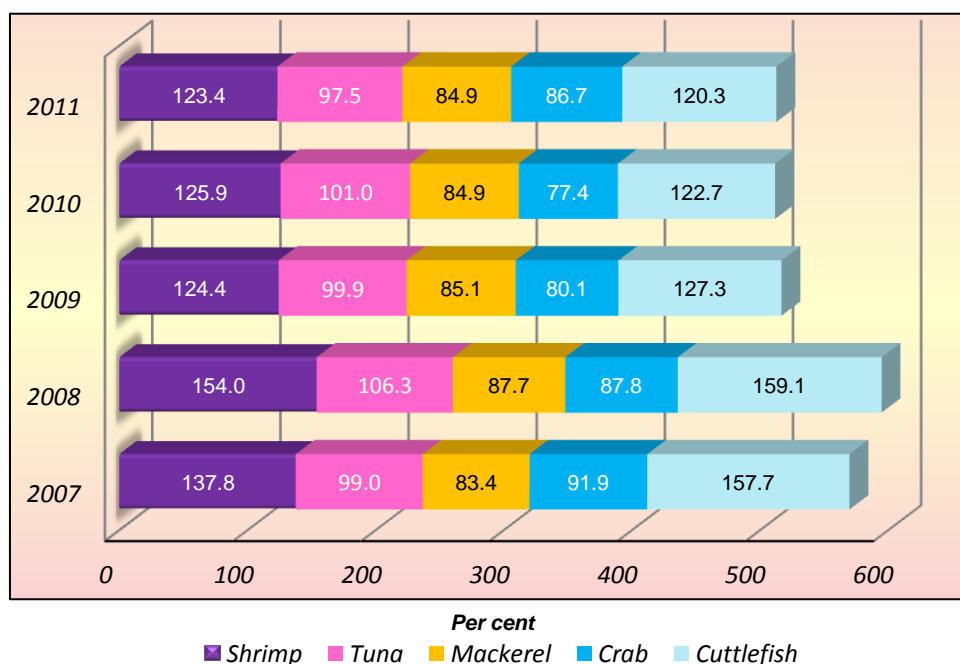


Table A: Self-sufficiency ratio (SSR) of selected crops, livestock and fisheries, Malaysia, 2007-2011

Selected crops, livestock and fisheries items	2007	2008	2009	2010	2011	Average
Crops						
Coconut	100.3	91.9	88.7	92.2	96.3	94.1
Pineapple	106.9	104.7	105.8	106.6	105.5	105.8
Banana	109.5	108.2	107.4	106.4	107.3	107.7
Watermelon	180.8	129.4	131.7	132.2	130.7	136.5
Mango	54.6	47.5	39.0	41.3	33.0	42.1
Rambutan	100.7	98.5	99.8	93.9	94.3	97.5
Durian	102.7	104.5	104.4	102.4	102.4	103.2
Mangosteen	98.3	101.9	92.0	84.7	92.2	93.8
Jackfruit	104.1	102.5	105.1	105.6	105.4	104.4
Sweet corn	100.5	99.1	98.7	101.3	103.2	100.9
Round cabbage	30.2	23.2	62.0	80.5	83.0	70.3
Tomato	195.1	512.3	538.5	128.6	129.6	151.9
Chilli	54.8	67.3	62.5	55.1	52.3	58.2
Cucumber	118.0	117.6	112.6	126.5	113.4	117.1
Mustard	98.6	103.1	105.5	106.7	104.1	103.9
Brinjal	135.9	138.2	135.1	126.4	119.4	128.9
Long bean	113.0	113.2	118.8	119.7	115.8	116.1
Lady's finger	100.0	111.6	115.0	118.0	115.1	112.2
Spinach	113.6	118.5	121.5	142.4	129.7	124.1
Livestock						
Beef	24.5	28.3	28.4	30.6	29.8	28.4
Mutton	9.1	9.8	10.5	9.8	13.2	10.5
Pork	99.2	99.3	99.3	96.1	95.7	97.8
Chicken/duck egg	114.5	119.3	122.2	114.4	115.2	117.0
Fisheries						
Shrimp	137.8	154.0	124.4	125.9	123.4	130.6
Tuna	99.0	106.3	99.9	101.0	97.5	100.7
Mackerel	83.4	87.7	85.1	84.9	84.9	85.2
Crab	91.9	87.8	80.1	77.4	86.7	84.4
Cuttlefish	157.7	159.1	127.3	122.7	120.3	135.9

4.2 Import dependency ratio (IDR)

Mango surpassed other fruit crops with average IDR of 61.4 per cent for the period 2007 to 2011. However, pineapple, banana and jackfruit recorded very low average IDR of below 1.0 per cent.

Round cabbage, chilli and cucumber relied highly on imports for the period 2007 to 2011. The highest IDR was chilli with an average of 51.5 per cent. The IDR for round cabbage showed a decline in 2009 to 2011 due to the significant rise in production for the period. The IDR for tomato recorded a significant reduction of 1.6 per cent in 2010 and 1.5 per cent in 2011 when compared with the previous three years. This was due to a surge in production as well as the reduction in imports. Other selected vegetables registered a low average IDR ranging between 0.1 and 5.6 per cent.

Imports were high for mutton and beef due to insufficiency of production to support the domestic requirements. This encouraged the rise in the IDR. The average IDR of both these livestock products were each with 89.7 and 73.4 per cent. Meanwhile, pork and chicken/duck egg remain low especially for chicken/duck egg with an average IDR of 0.1 per cent.

The imports of shrimp has increased to 39.5 thousand tonnes in 2011 as compared to 34.3 thousand tonnes in 2010. The increase has raised the IDR from 21.1 per cent to 27.4 per cent. Among the five fisheries items, the IDR for shrimp was the highest with an average of 24.5 per cent, while tuna was the lowest with 5.6 per cent. (Table B)

Table B: Import dependency ratio (IDR) of selected crops, livestock and fisheries, Malaysia, 2007-2011

Selected crops, livestock and fisheries items	2007	2008	2009	2010	2011	Average
Crops						
Coconut	-	8.8	12.3	9.8	13.2	8.9
Pineapple	0.4	0.3	0.2	0.4	0.7	0.4
Banana	0.1	0.2	0.2	0.5	0.7	0.4
Watermelon	1.4	1.3	1.1	2.0	2.3	1.7
Mango	49.0	56.8	65.3	61.8	69.7	61.4
Rambutan	1.6	3.3	2.8	7.8	7.4	4.5
Durian	2.0	2.8	2.6	2.9	3.1	2.7
Mangosteen	6.8	5.0	17.2	19.4	17.1	12.9
Jackfruit	0.1	0.0	0.0	0.2	0.0	0.1
Sweet corn	4.4	5.5	8.9	5.0	2.5	5.0
Round cabbage	70.9	79.8	39.4	21.3	18.0	31.2
Tomato	34.7	64.7	48.7	1.6	1.5	6.5
Chilli	54.4	41.9	46.3	56.1	58.0	51.5
Cucumber	31.2	31.4	21.7	25.9	21.4	25.6
Mustard	1.4	1.3	2.3	1.8	1.9	1.7
Brinjal	5.2	6.0	7.0	4.9	5.5	5.6
Long bean	0.6	0.4	0.4	0.8	1.5	0.8
Lady's finger	0.0	0.2	0.2	0.2	0.2	0.1
Spinach	2.5	2.5	1.2	1.5	1.4	1.8
Livestock						
Beef	76.4	73.4	73.1	71.8	72.4	73.4
Mutton	90.9	90.4	89.5	90.6	87.2	89.7
Pork	1.3	1.2	1.9	4.2	4.5	2.8
Chicken/duck egg	0.1	0.1	0.1	0.0	0.0	0.1
Fisheries						
Shrimp	37.4	20.2	20.5	21.1	27.4	24.5
Tuna	7.6	6.9	4.7	4.7	4.6	5.6
Mackerel	17.8	13.3	15.6	16.4	17.3	16.1
Crab	15.7	23.7	27.7	30.2	19.3	23.6
Cuttlefish	18.8	20.2	22.1	24.0	24.1	22.0

4.3 Per capita consumption (PCC)

The PCC for coconut was the highest among the selected crops for the period 2007 to 2011 with an average of 15.2 kilogrammes per year. This indicates that a person consumes an average of 15.2 kilogrammes of coconut a year or 41.6 grammes per day.

Durian, banana and pineapples were much favoured by the people in this country with each recorded average PCC of 10.2, 9.0 and 8.2 kilogrammes a year. The average PCC of watermelon, mango, mangosteen, jackfruit, rambutan and sweet corn recorded PCC between 1.0 and 5.2 kilogrammes per year.

The average PCC of tomato, chilli, cucumber, brinjal, long bean, lady's finger and spinach recorded not more than 1.8 kilogrammes per year. The PCC for round cabbage and mustard registered 3.8 and 3.5 kilogrammes per year.

Chicken/duck egg recorded the highest average PCC of 15.4 kilogrammes a year, whilst mutton was the lowest with an average of 0.8 kilogrammes a year.

Mackerel held the highest record of average PCC of 8.2 kilogrammes per year, while crab the lowest of 0.5 kilogrammes per year. (Table C)

Table C: Per capita consumption (PCC) of selected crops, livestock and fisheries, Malaysia, 2007-2011

(Kg)

Selected crops, livestock and fisheries items	2007	2008	2009	2010	2011	Average
Crops						
Coconut	14.9	13.7	11.0	18.4	17.8	15.2
Pineapple	5.6	10.3	9.2	8.3	7.7	8.2
Banana	8.1	8.7	8.6	10.2	9.2	9.0
Watermelon	3.0	5.8	6.1	5.9	5.5	5.2
Mango	1.5	1.7	1.8	1.8	2.1	1.8
Rambutan	2.6	2.6	2.3	2.4	2.1	2.4
Durian	10.9	9.4	9.2	9.9	11.9	10.2
Mangosteen	1.2	0.9	0.9	1.0	0.8	1.0
Jackfruit	2.1	2.6	1.9	1.7	1.7	2.0
Sweet corn	1.2	1.2	1.3	1.6	1.9	1.4
Round cabbage	1.4	1.6	3.3	5.9	7.0	3.8
Tomato	0.5	0.0	0.1	3.2	3.2	1.4
Chilli	1.6	1.4	1.3	1.1	1.1	1.3
Cucumber	1.6	1.6	2.4	1.6	2.0	1.8
Mustard	2.8	4.0	2.8	3.9	4.2	3.5
Brinjal	0.5	0.5	0.7	0.9	1.0	0.7
Long bean	1.1	1.2	1.1	1.1	1.2	1.1
Lady's finger	0.7	0.5	0.7	0.7	0.8	0.7
Spinach	1.3	1.3	1.5	1.0	1.2	1.2
Livestock						
Beef	5.2	4.8	5.1	4.9	5.2	5.0
Mutton	0.7	0.7	0.7	0.9	0.7	0.8
Pork*	18.4	17.6	18.3	21.0	20.6	19.2
Chicken/duck egg	14.3	14.2	14.8	16.7	17.2	15.4
Fisheries						
Shrimp	2.4	2.5	3.8	4.7	4.1	3.5
Tuna	2.2	2.3	2.3	2.4	2.4	2.3
Mackerel	7.8	7.9	8.5	8.6	8.4	8.2
Crab	0.5	0.4	0.5	0.5	0.4	0.5
Cuttlefish	2.0	1.8	2.3	2.1	2.2	2.1

* Based on 40 per cent non-muslim population

JADUAL/*TABLES*

Jadual 1: Akaun pembekalan dan penggunaan bagi kelapa, Malaysia, 2007-2011
Table 1: Supply and utilization accounts for coconut, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	503,243.0	498,823.6	431,991.9	608,850.7	639,768.1	536,535.5	-0.9	-13.4	40.9	5.1	7.9
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	503,243.0	455,408.0	379,251.0	550,140.0	562,556.0	490,119.6	-9.5	-16.7	45.1	2.3	5.3
Import Imports	-	43,415.6	52,740.9	58,710.7	77,212.1	46,415.9	-	21.5	11.3	31.5	16.1
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	1,671.7	3,512.1	4,330.0	12,263.3	55,588.0	15,473.0	110.1	23.3	183.2	353.3	167.5
Benih Seed	251.6	227.7	189.6	275.1	281.3	245.1	-9.5	-16.7	45.1	2.3	5.3
Makanan ternakan Feed	-	-	-	-	-	-	-	-	-	-	-
Kerugian Waste	12,539.3	12,382.8	10,691.5	14,914.7	14,604.5	13,026.6	-1.2	-13.7	39.5	-2.1	5.6
Prosesan Processing	85,851.3	105,351.1	106,716.9	54,702.6	53,565.0 ^e	81,237.4	22.7	1.3	-48.7	-2.1	-6.7
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	402,929.0	377,349.9	310,063.8	526,695.0	515,729.3	426,553.4	-6.3	-17.8	69.9	-2.1	10.9
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	14.9	13.7	11.0	18.4	17.8	15.2	-8.1	-19.3	66.9	-3.4	9.0
Kadar sara diri (%) Self-sufficiency ratio (%)	100.3	91.9	88.7	92.2	96.3	94.1					
Kadar kebergantungan import (%) Import dependency ratio (%)	-	8.8	12.3	9.8	13.2	8.9					

Jadual 2: Akaun pembekalan dan penggunaan bagi nanas, Malaysia, 2007-2011
Table 2: Supply and utilization accounts for pineapple, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	265,718.9	385,925.1	358,424.4	332,468.7	311,325.0	330,772.4	45.2	-7.1	-7.2	-6.4	6.1
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	264,777.0	384,673.0	357,654.0	331,081.0	309,331.0	329,503.2	45.3	-7.0	-7.4	-6.6	6.1
Import Imports	941.9	1,252.1	770.4	1,387.7	1,994.0	1,269.2	32.9	-38.5	80.1	43.7	29.6
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	18,072.7	18,521.6	20,278.6	21,904.2	18,159.7	19,387.4	2.5	9.5	8.0	-17.1	0.7
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	12,382.3	18,370.2	16,907.3	15,528.2	14,658.3	15,569.3	48.4	-8.0	-8.2	-5.6	6.7
Kerugian Waste	84,368.3	65,358.8	63,515.8	58,335.1	55,066.9 ^e	65,329.0	-22.5	-2.8	-8.2	-5.6	-9.8
Prosesan Processing	-	-	-	-	-	-	-	-	-	-	-
Stok akhir Closing stocks	150,895.5	283,674.5	257,722.7	236,701.2	223,440.1	230,486.8	88.0	-9.1	-8.2	-5.6	16.3
Makanan Food											
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	5.6	10.3	9.2	8.3	7.7	8.2	84.5	-10.8	-9.8	-6.8	14.3
Kadar sara diri (%) Self-sufficiency ratio (%)	106.9	104.7	105.8	106.6	105.5	105.8					
Kadar kebergantungan import (%) Import dependency ratio (%)	0.4	0.3	0.2	0.4	0.7	0.4					

Jadual 3: Akaun pembekalan dan penggunaan bagi pisang, Malaysia, 2007-2011
Table 3: Supply and utilization accounts for banana, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	261,192.7	272,958.7	280,340.8	334,171.3	308,367.1	291,406.1	4.5	2.7	19.2	-7.7	4.7
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	260,911.2	272,331.0	279,762.0	332,639.0	306,283.0	290,385.2	4.4	2.7	18.9	-7.9	4.5
Import Imports	281.5	627.7	578.8	1,532.3	2,084.1	1,020.9	123.0	-7.8	164.8	36.0	79.0
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	23,009.9	21,194.4	19,934.6	21,454.0	22,815.6	21,681.7	-7.9	-5.9	7.6	6.3	0.0
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	11,194.6	11,832.9	12,239.1	14,697.7	13,420.9	12,677.0	5.7	3.4	20.1	-8.7	5.1
Kerugian Waste	7,197.4	1,138.0	7,708.4	6,138.6	5,605.3 ^e	5,557.5	-84.2	577.4	-20.4	-8.7	116.0
Prosesan Processing	-	-	-	-	-	-	-	-	-	-	-
Stok akhir Closing stocks	219,790.8	238,793.3	240,458.7	291,881.0	266,525.3	251,489.8	8.6	0.7	21.4	-8.7	5.5
Makanan Food											
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	8.1	8.7	8.6	10.2	9.2	9.0	6.6	-1.1	19.2	-9.9	3.7
Kadar sara diri (%) Self-sufficiency ratio (%)	109.5	108.2	107.4	106.4	107.3	107.7					
Kadar kebergantungan import (%) Import dependency ratio (%)	0.1	0.2	0.2	0.5	0.7	0.4					

Jadual 4: Akaun pembekalan dan penggunaan bagi tembikai, Malaysia, 2007-2011

Table 4: Supply and utilization accounts for watermelon, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	155,618.8	222,326.8	240,751.4	239,460.4	224,464.3	216,524.3	42.9	8.3	-0.5	-6.3	11.1
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	154,416.0	220,066.0	238,671.0	235,893.0	220,560.0	213,921.2	42.5	8.5	-1.2	-6.5	10.8
Import Imports	1,202.8	2,260.8	2,080.4	3,567.4	3,904.3	2,603.1	88.0	-8.0	71.5	9.4	40.2
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	70,233.3	52,272.9	59,534.0	61,010.7	55,740.2	59,758.2	-25.6	13.9	2.5	-8.6	-4.5
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	5,123.1	10,203.2	10,873.0	10,707.0	10,123.4	9,406.0	99.2	6.6	-1.5	-5.5	24.7
Kerugian Waste	-	-	-	-	-	-	-	-	-	-	-
Prosesan Processing	-	-	-	-	-	-	-	-	-	-	-
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	80,262.4	159,850.7	170,344.4	167,742.7	158,600.7	147,360.2	99.2	6.6	-1.5	-5.5	24.7
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	3.0	5.8	6.1	5.9	5.5	5.2	95.5	4.6	-3.3	-6.7	22.5
Kadar sara diri (%) Self-sufficiency ratio (%)	180.8	129.4	131.7	132.2	130.7	136.5					
Kadar bergantung import (%) Import dependency ratio (%)	1.4	1.3	1.1	2.0	2.3	1.7					

Jadual 5: Akaun pembekalan dan penggunaan bagi mangga, Malaysia, 2007-2011
Table 5: Supply and utilization accounts for mango, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	44,265.5	51,771.9	56,969.0	56,447.8	65,398.1	54,970.5	17.0	10.0	-0.9	15.9	10.5
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	23,334.0	23,573.0	21,302.0	22,596.0	21,022.0	22,365.4	1.0	-9.6	6.1	-7.0	-2.4
Import Imports	20,931.5	28,198.9	35,667.0	33,851.8	44,376.1	32,605.1	34.7	26.5	-5.1	31.1	21.8
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	1,528.7	2,128.2	2,370.1	1,712.0	1,704.9	1,888.8	39.2	11.4	-27.8	-0.4	5.6
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	2,478.7	2,879.3	3,166.7	3,174.7	3,694.2	3,078.7	16.2	10.0	0.3	16.4	10.7
Kerugian Waste	440.3	511.4	562.5	509.2	592.6 ^e	523.2	16.2	10.0	-9.5	16.4	8.3
Prosesan Processing	-	-	-	-	-	-	-	-	-	-	-
Stok akhir Closing stocks	39,817.7	46,252.9	50,869.7	51,051.8	59,406.4	49,479.7	16.2	10.0	0.4	16.4	10.7
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/tnh) Per capita consumption (kg/yr)	1.5	1.7	1.8	1.8	2.1	1.8	14.0	8.0	-1.4	14.9	8.9
Kadar sara diri (%) Self-sufficiency ratio (%)	54.6	47.5	39.0	41.3	33.0	42.1					
Kadar kebergantungan import (%) Import dependency ratio (%)	49.0	56.8	65.3	61.8	69.7	61.4					

Jadual 6: Akaun pembekalan dan penggunaan bagi rambutan, Malaysia, 2007-2011
Table 6: Supply and utilization accounts for rambutan, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	78,891.7	78,997.0	73,222.8	76,046.6	68,289.6	75,089.5	0.1	-7.3	3.9	-10.2	-3.4
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	77,660.0	76,474.0	71,232.0	70,218.0	63,345.0	71,785.8	-1.5	-6.9	-1.4	-9.8	-4.9
Import Imports	1,231.7	2,523.0	1,990.8	5,828.6	4,944.6	3,303.7	104.8	-21.1	192.8	-15.2	65.3
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	1,755.6	1,394.7	1,814.1	1,293.2	1,107.6	1,473.1	-20.6	30.1	-28.7	-14.4	-8.4
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	-	-	-	-	-	-	-	-	-	-	-
Kerugian Waste	2,314.1	2,328.1	2,142.3	2,242.6	2,015.5	2,208.5	0.6	-8.0	4.7	-10.1	-3.2
Prosesan Processing	3,856.8	3,880.1	3,570.4	3,737.7	3,359.1	3,680.8	0.6	-8.0	4.7	-10.1	-3.2
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	70,965.2	71,394.1	65,695.9	68,773.1	61,807.4	67,727.1	0.6	-8.0	4.7	-10.1	-3.2
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	2.6	2.6	2.3	2.4	2.1	2.4	-1.3	-9.7	2.8	-11.3	-4.8
Kadar sara diri (%) Self-sufficiency ratio (%)	100.7	98.5	99.8	93.9	94.3	97.5					
Kadar kebergantungan import (%) Import dependency ratio (%)	1.6	3.3	2.8	7.8	7.4	4.5					

Jadual 7: Akaun pembekalan dan penggunaan bagi durian, Malaysia, 2007-2011
Table 7: Supply and utilization accounts for durian, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	318,116.9	285,182.9	284,948.1	306,125.5	374,281.6	313,731.0	-10.4	-0.1	7.4	22.3	4.8
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	312,157.0	277,767.0	278,076.0	297,696.0	363,421.0	305,823.4	-11.0	0.1	7.1	22.1	4.6
Import Imports	5,959.9	7,415.9	6,872.1	8,429.5	10,860.6	7,907.6	24.4	-7.3	22.7	28.8	17.1
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	14,089.1	19,442.8	18,690.8	15,445.6	19,514.6	17,436.6	38.0	-3.9	-17.4	26.3	10.8
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	-	-	-	-	-	-	-	-	-	-	-
Kerugian Waste	9,120.8	7,972.2	7,987.7	8,720.4	10,643.0	8,888.8	-12.6	0.2	9.2	22.0	4.7
Prosesan Processing	-	-	-	-	-	-	-	-	-	-	-
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	294,907.0	257,767.9	258,269.6	281,959.5	344,124.0	287,405.6	-12.6	0.2	9.2	22.0	4.7
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	10.9	9.4	9.2	9.9	11.9	10.2	-14.2	-1.6	7.2	20.5	3.0
Kadar sara diri (%) Self-sufficiency ratio (%)	102.7	104.5	104.4	102.4	102.4	103.2					
Kadar kebergantungan import (%) Import dependency ratio (%)	2.0	2.8	2.6	2.9	3.1	2.7					

Jadual 8: Akaun pembekalan dan penggunaan bagi manggis, Malaysia, 2007-2011

Table 8: Supply and utilization accounts for mangosteen, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				
							07-08	08-09	09-10	10-11	Purata Average
Pembekalan (tan metrik) Supply (tonnes)	35,777.5	28,591.5	28,353.5	33,190.4	25,547.6	30,292.1	-20.1	-0.8	17.1	-23.0	-6.7
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	33,468.0	27,258.0	23,893.0	27,005.0	21,555.0	26,635.8	-18.6	-12.3	13.0	-20.2	-9.5
Import Imports	2,309.5	1,333.5	4,460.5	6,185.4	3,992.6	3,656.3	-42.3	234.5	38.7	-35.5	48.9
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	1,717.4	1,830.9	2,383.5	1,297.7	2,179.4	1,881.8	6.6	30.2	-45.6	67.9	14.8
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	2,043.6	1,605.6	1,558.2	1,913.6	1,402.1	1,704.6	-21.4	-3.0	22.8	-26.7	-7.1
Kerugian Waste	-	-	-	-	-	-	-	-	-	-	-
Prosesan Processing	-	-	-	-	-	-	-	-	-	-	-
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	32,016.6	25,155.0	24,411.8	29,979.1	21,966.1	26,705.7	-21.4	-3.0	22.8	-26.7	-7.1
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	1.2	0.9	0.9	1.0	0.8	1.0	-22.9	-4.7	20.6	-27.7	-8.7
Kadar sara diri (%) Self-sufficiency ratio (%)	98.3	101.9	92.0	84.7	92.2	93.8					
Kadar kebergantungan import (%) Import dependency ratio (%)	6.8	5.0	17.2	19.4	17.1	12.9					

Jadual 9: Akaun pembekalan dan penggunaan bagi cempedak/nangka, Malaysia, 2007-2011

Table 9: Supply and utilization accounts for jackfruit, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				
							07-08	08-09	09-10	10-11	Purata Average
Pembekalan (tan metrik) Supply (tonnes)	64,100.1	77,720.1	60,626.9	54,675.1	56,488.2	62,722.1	21.2	-22.0	-9.8	3.3	-1.8
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	64,043.0	77,693.0	60,610.0	54,577.0	56,484.0	62,681.4	21.3	-22.0	-10.0	3.5	-1.8
Import Imports	57.1	27.1	16.9	98.1	4.2	40.7	-52.6	-37.4	479.1	-95.7	73.4
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	2,551.9	1,925.6	2,952.2	3,008.7	2,912.4	2,670.2	-24.5	53.3	1.9	-3.2	6.9
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	3,692.9	4,547.7	3,460.5	3,100.0	3,214.5	3,603.1	23.1	-23.9	-10.4	3.7	-1.9
Kerugian Waste	-	-	-	-	-	-	-	-	-	-	-
Prosesan Processing	-	-	-	-	-	-	-	-	-	-	-
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	57,855.3	71,246.8	54,214.2	48,566.4	50,361.3	56,448.8	23.1	-23.9	-10.4	3.7	-1.9
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	2.1	2.6	1.9	1.7	1.7	2.0	20.9	-25.3	-12.0	2.4	-3.5
Kadar sara diri (%) Self-sufficiency ratio (%)	104.1	102.5	105.1	105.6	105.4	104.4					
Kadar kebergantungan import (%) Import dependency ratio (%)	0.1	0.0	0.0	0.2	0.0	0.1					

Jadual 10: Akaun pembekalan dan penggunaan bagi jagung manis, Malaysia, 2007-2011
Table 10 : Supply and utilization accounts for sweet corn, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	33,484.1	34,776.2	39,001.4	49,965.6	61,276.5	43,700.8	3.9	12.1	28.1	22.6	16.7
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	32,075.0	32,959.0	35,763.0	47,602.0	59,842.0	41,648.2	2.8	8.5	33.1	25.7	17.5
Import Imports	1,409.1 ^e	1,817.2	3,238.4	2,363.6	1,434.5	2,052.6	29.0	78.2	-27.0	-39.3	10.2
Penggunaan (tan metrik) Utilization (tonnes)	1,577.0^e	1,527.0	2,756.8	2,992.2	3,295.3	2,429.7	-3.2	80.5	8.5	10.1	24.0
Eksport Exports	-	-	-	-	-	-	-	-	-	-	-
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	-	-	-	-	-	-	-	-	-	-	-
Kerugian Waste	-	-	-	-	-	-	-	-	-	-	-
Prosesan Processing	214.1	223.1	600.0	1,573.4	1,942.1 ^e	910.5	4.2	169.0	162.2	23.4	89.7
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	31,693.1	33,026.1	35,644.5	45,400.0	56,039.1	40,360.5	4.2	7.9	27.4	23.4	15.7
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	1.2	1.2	1.3	1.6	1.9	1.4	2.3	6.0	25.1	21.8	13.8
Kadar sara diri (%) Self-sufficiency ratio (%)	100.5	99.1	98.7	101.3	103.2	100.9					
Kadar kebergantungan import (%) Import dependency ratio (%)	4.4	5.5	8.9	5.0	2.5	5.0					

Jadual 11: Akaun pembekalan dan penggunaan bagi kubis bulat, Malaysia, 2007-2011
Table 11: Supply and utilization accounts for round cabbage, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	40,829.5	46,800.9	99,631.7	181,482.4	218,252.4	117,399.4	14.6	112.9	82.2	20.3	57.5
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	12,184.0	10,534.0	60,894.0	143,562.0	179,323.0	81,299.4	-13.5	478.1	135.8	24.9	156.3
Import Imports	28,645.5	36,266.9	38,737.7	37,920.4	38,929.4	36,100.0	26.6	6.8	-2.1	2.7	8.5
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	452.9 ^e	1,345.9	1,426.2	3,108.6	2,214.7	1,709.7	197.2	6.0	118.0	-28.8	73.1
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	-	-	-	-	-	-	-	-	-	-	-
Kerugian Waste	2,261.1	2,545.5	5,499.5	9,988.9	12,098.1	6,478.6	12.6	116.1	81.6	21.1	57.8
Prosesan Processing	-	-	-	-	-	-	-	-	-	-	-
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	38,115.5	42,909.5	92,706.0	168,384.9	203,939.6	109,211.1	12.6	116.1	81.6	21.1	57.8
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	1.4	1.6	3.3	5.9	7.0	3.8	10.5	112.1	78.4	19.5	55.1
Kadar sara diri (%) Self-sufficiency ratio (%)	30.2	23.2	62.0	80.5	83.0	70.3					
Kadar kebergantungan import (%) Import dependency ratio (%)	70.9	79.8	39.4	21.3	18.0	31.2					

Jadual 12: Akaun pembekalan dan penggunaan bagi tomato, Malaysia, 2007-2011
Table 12: Supply and utilization accounts for tomato, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	41,985.4	30,131.9	31,842.3	135,360.4	138,686.7	75,601.3	-28.2	5.7	325.1	2.5	76.2
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	35,638.0	26,752.0	29,202.0	133,670.0	137,128.0	72,478.0	-24.9	9.2	357.7	2.6	86.1
Import Imports	6,347.4	3,379.9	2,640.3	1,690.4	1,558.7	3,123.3	-46.8	-21.9	-36.0	-7.8	-28.1
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	23,715.6	24,909.6	26,419.9	31,413.0	32,914.9	27,874.6	5.0	6.1	18.9	4.8	8.7
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	1,278.9	365.6	379.6	7,276.3	7,404.0	3,340.9	-71.4	3.8	1,817.0	1.8	437.8
Kerugian Waste	2,362.9	3,835.6	3258.34 ^f	6,587.6	6,703.2 ^e	4,549.5	62.3	-15.0	102.2	1.8	37.8
Prosesan Processing	-	-	-	-	-	-	-	-	-	-	-
Stok akhir Closing stocks	14,628.1	1,021.2	1,784.5	90,083.4	91,664.6	39,836.4	-93.0	74.8	4,948.0	1.8	1,232.9
Makanan Food											
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	0.5	0.0	0.1	3.2	3.2	1.4	-93.1	71.6	4,858.4	0.4	1,209.3
Kadar sara diri (%) Self-sufficiency ratio (%)	195.1	512.3	538.5	128.6	129.6	151.9					
Kadar kebergantungan import (%) Import dependency ratio (%)	34.7	64.7	48.7	1.6	1.5	6.5					

Jadual 13: Akaun pembekalan dan penggunaan bagi cili, Malaysia, 2007-2011

Table 13: Supply and utilization accounts for chilli, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	68,545.8	57,659.7	63,230.3	62,220.7	62,526.7	62,836.6	-15.9	9.7	-1.6	0.5	-1.8
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran ¹ Production	34,407.0	35,521.0	36,315.0	30,846.0	29,645.0	33,346.8	3.2	2.2	-15.1	-3.9	-3.4
Import Imports	34,138.8	22,138.7	26,915.3	31,374.7	32,881.7	29,489.8	-35.2	21.6	16.6	4.8	1.9
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	5,762.4	4,852.5	5,111.0	6,278.2	5,811.4	5,563.1	-15.8	5.3	22.8	-7.4	1.2
Benih Seed	240.8	248.6	254.2	215.9	207.5	233.4	3.2	2.2	-15.1	-3.9	-3.4
Makanan ternakan Feed	-	-	-	-	-	-	-	-	-	-	-
Kerugian Waste	3,139.2	2,640.4	2,906.0	2,797.1	2,835.8	2,863.7	-15.9	10.1	-3.7	1.4	-2.0
Prosesan Processing	16,753.0	10,443.0	18,153.0	20,341.0	20,622.0	17,262.4	-37.7	73.8	12.1	1.4	12.4
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	42,650.4	39,475.2	36,806.2	32,588.4	33,050.0	36,914.1	-7.4	-6.8	-11.5	1.4	-6.1
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/tnh) Per capita consumption (kg/yr)	1.6	1.4	1.3	1.1	1.1	1.3	-9.2	-8.5	-13.0	0.1	-7.6
Kadar sara diri (%) Self-sufficiency ratio (%)	54.8	67.3	62.5	55.1	52.3	58.2					
Kadar kebergantungan import (%) Import dependency ratio (%)	54.4	41.9	46.3	56.1	58.0	51.5					

¹ Data termasuk cili padi. Dalam penerbitan SUA 2006-2010, pengeluaran cili merujuk kepada cili merah/hijau besar sahaja
Data includes chilli pepper. Production of chilli in SUA 2006-2010 only refers to large red/green chilli

Jadual 14: Akaun pembekalan dan penggunaan bagi timun, Malaysia, 2007-2011

Table 14: Supply and utilization accounts for cucumber, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	64,317.4	68,336.0	90,973.7	73,128.6	79,912.6	75,333.7	6.2	33.1	-19.6	9.3	7.3
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	50,852.0	53,922.0	76,298.0	60,719.0	67,251.0	61,808.4	6.0	41.5	-20.4	10.8	9.5
Import Imports	13,465.4	14,414.0	14,675.7	12,409.6	12,661.6	13,525.3	7.0	1.8	-15.4	2.0	-1.1
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	21,220.8	22,495.6	23,209.0	25,122.5	20,631.2	22,535.8	6.0	3.2	8.2	-17.9	-0.1
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	-	-	-	-	-	-	-	-	-	-	-
Kerugian Waste	1,068.8	1,136.8	1,680.6	1,190.5	1,470.2	1,309.4	6.4	47.8	-29.2	23.5	12.1
Prosesan Processing	21.5	22.9	33.9	24.0	29.6	26.4	6.4	47.8	-29.2	23.5	12.1
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	42,006.3	44,680.7	66,050.2	46,791.5	57,781.6	51,462.1	6.4	47.8	-29.2	23.5	12.1
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	1.6	1.6	2.4	1.6	2.0	1.8	4.4	45.1	-30.4	21.9	10.2
Kadar sara diri (%) Self-sufficiency ratio (%)	118.0	117.6	112.6	126.5	113.4	117.1					
Kadar kebergantungan import (%) Import dependency ratio (%)	31.2	31.4	21.7	25.9	21.4	25.6					

Jadual 15 : Akaun pembekalan dan penggunaan bagi sawi, Malaysia, 2007-2011

Table 15: Supply and utilization accounts for mustard, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	76,454.0	119,068.2	88,171.7	123,028.6	131,004.6	107,545.4	55.7	-25.9	39.5	6.5	19.0
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	75,365.0	117,597.0	86,267.0	120,979.0	128,647.0	105,771.0	56.0	-26.6	40.2	6.3	19.0
Import Imports	1,089.0 ^e	1,471.2	1,904.7	2,049.6	2,357.6	1,774.4	35.1	29.5	7.6	15.0	21.8
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	-	5,006.4	6,436.6	9,614.1	7,453.0	5,702.0	-	28.6	49.4	-22.5	13.9
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	-	-	-	-	-	-	-	-	-	-	-
Kerugian Waste	1,911.4	2,851.5	2,043.4	2,835.4	3,088.8	2,546.1	49.2	-28.3	38.8	8.9	17.1
Prosesan Processing	-	-	-	-	-	-	-	-	-	-	-
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	74,542.7	111,210.3	79,691.7	110,579.1	120,462.8	99,297.3	49.2	-28.3	38.8	8.9	17.1
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	2.8	4.0	2.8	3.9	4.2	3.5	46.4	-29.7	36.3	7.5	15.2
Kadar sara diri (%) Self-sufficiency ratio (%)	98.6	103.1	105.5	106.7	104.1	103.9					
Kadar bergantung import (%) Import dependency ratio (%)	1.4	1.3	2.3	1.8	1.9	1.7					

Jadual 16: Akaun pembekalan dan penggunaan bagi terung, Malaysia, 2007-2011
Table 16: Supply and utilization accounts for brinjal, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	21,492.0	21,393.2	27,223.6	35,019.0	38,340.7	28,693.7	-0.5	27.3	28.6	9.5	16.2
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	20,706.0	20,503.0	25,882.0	33,718.0	36,653.0	27,492.4	-1.0	26.2	30.3	8.7	16.1
Import Imports	786.0	890.2	1,341.6	1,301.0	1,687.7	1,201.3	13.3	50.7	-3.0	29.7	22.7
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	6,254.9	6,559.3	8,063.3	8,335.2	7,645.1	7,371.5	4.9	22.9	3.4	-8.3	5.7
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	-	-	-	-	-	-	-	-	-	-	-
Kerugian Waste	380.9	370.8	479.0	667.1	767.4	533.1	-2.6	29.2	39.3	15.0	20.2
Prosesan Processing	-	-	-	-	-	-	-	-	-	-	-
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	14,856.2	14,463.0	18,681.2	26,016.8	29,928.3	20,789.1	-2.6	29.2	39.3	15.0	20.2
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	0.5	0.5	0.7	0.9	1.0	0.7	-4.4	26.8	36.8	13.5	18.2
Kadar sara diri (%) Self-sufficiency ratio (%)	135.9	138.2	135.1	126.4	119.4	128.9					
Kadar kebergantungan import (%) Import dependency ratio (%)	5.2	6.0	7.0	4.9	5.5	5.6					

Jadual 17: Akaun pembekalan dan penggunaan bagi kacang panjang, Malaysia, 2007-2011

Table 17: Supply and utilization accounts for long bean, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	36,111.6	37,940.9	37,563.7	39,702.6	43,170.6	38,897.9	5.1	-1.0	5.7	8.7	4.6
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	35,919.0	37,815.0	37,424.0	39,432.0	42,623.0	38,642.6	5.3	-1.0	5.4	8.1	4.4
Import Imports	192.6 ^e	125.9	139.7	270.6	547.6	255.3	-34.6	10.9	93.7	102.3	43.1
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	4,337.7 ^e	4,524.2	6,050.3	6,767.7	6,378.7	5,611.7	4.3	33.7	11.9	-5.7	11.0
Benih Seed	157.9	147.0	138.7	144.9	161.9	150.1	-6.9	-5.7	4.5	11.7	0.9
Makanan ternakan Feed	-	-	-	-	-	-	-	-	-	-	-
Kerugian Waste	979.4	912.3	860.3	899.1	1,004.4	931.1	-6.9	-5.7	4.5	11.7	0.9
Prosesan Processing	-	-	-	-	-	-	-	-	-	-	-
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	30,636.6	32,357.4	30,514.4	31,890.9	35,625.6	32,205.0	5.6	-5.7	4.5	11.7	4.0
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	1.1	1.2	1.1	1.1	1.2	1.1	3.7	-7.4	2.7	10.3	2.3
Kadar sara diri (%) Self-sufficiency ratio (%)	113.0	113.2	118.8	119.7	115.8	116.1					
Kadar kebergantungan import (%) Import dependency ratio (%)	0.6	0.4	0.4	0.8	1.5	0.8					

Jadual 18: Akaun pembekalan dan penggunaan bagi bendi, Malaysia, 2007-2011
Table 18: Supply and utilization accounts for lady's finger, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	20,967.9	17,888.2	25,773.4	26,302.8	28,911.5	23,968.8	-14.7	44.1	2.1	9.9	10.3
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	20,958.0	17,858.0	25,739.0	26,267.0	28,871.0	23,938.6	-14.8	44.1	2.1	9.9	10.3
Import Imports	9.9	30.2	34.4	35.8	40.5	30.2	204.2	13.8	4.0	13.1	58.8
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	-	1,881.3	3,382.5	4,048.9	3,832.4	2,629.0	-	79.8	19.7	-5.3	23.5
Benih Seed	6.3	4.8	6.7	6.7	7.5	6.4	-23.7	39.9	-0.6	12.7	7.1
Makanan ternakan Feed	1,677.4	1,280.6	1,791.3	1,780.3	2,006.3	1,707.2	-23.7	39.9	-0.6	12.7	7.1
Kerugian Waste	-	-	-	-	-	-	-	-	-	-	-
Prosesan Processing	-	-	-	-	-	-	-	-	-	-	-
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	19,284.2	14,721.6	20,592.9	20,466.9	23,065.2	19,626.2	-23.7	39.9	-0.6	12.7	7.1
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	0.7	0.5	0.7	0.7	0.8	0.7	-25.1	37.3	-2.4	11.2	5.3
Kadar sara diri (%) Self-sufficiency ratio (%)	100.0	111.6	115.0	118.0	115.1	112.2					
Kadar kebergantungan import (%) Import dependency ratio (%)	0.0	0.2	0.2	0.2	0.2	0.1					

Jadual 19: Akaun pembekalan dan penggunaan bagi bayam, Malaysia, 2007-2011
Table 19: Supply and utilization accounts for spinach, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	42,189.7	44,937.3	51,752.3	40,362.6	45,610.4	44,970.5	6.5	15.2	-22.0	13.0	3.2
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	41,271.0	43,994.0	51,240.0	39,933.0	45,136.0	44,314.8	6.6	16.5	-22.1	13.0	3.5
Import Imports	918.7	943.3	512.3	429.6	474.4	655.7	2.7	-45.7	-16.2	10.4	-12.2
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	5,863.6	7,817.9	9,563.2	12,323.5	10,801.6	9,273.9	33.3	22.3	28.9	-12.3	18.0
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	-	-	-	-	-	-	-	-	-	-	-
Kerugian Waste	991.7	1,013.4	1,151.8	765.5	950.3	974.5	2.2	13.7	-33.5	24.1	1.6
Prosesan Processing	-	-	-	-	-	-	-	-	-	-	-
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	35,334.5	36,106.1	41,037.4	27,273.6	33,858.5	34,722.0	2.2	13.7	-33.5	24.1	1.6
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	1.3	1.3	1.5	1.0	1.2	1.2	0.3	11.6	-34.7	22.5	-0.1
Kadar sara diri (%) Self-sufficiency ratio (%)	113.6	118.5	121.5	142.4	129.7	124.1					
Kadar kebergantungan import (%) Import dependency ratio (%)	2.5	2.5	1.2	1.5	1.4	1.8					

Jadual 20: Akaun pembekalan dan penggunaan bagi daging lembu/kerbau, Malaysia, 2007-2011
Table 20: Supply and utilization accounts for beef, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	144,028.5	137,300.4	150,501.4	155,450.2	167,700.2	150,996.1	-4.7	9.6	3.3	7.9	4.0
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	34,976.0	38,250.0	42,178.0 ^p	46,510.0 ^p	48,835.0 ^e	42,149.8	9.4	10.3	10.3	5.0	8.7
Import Imports	109,052.5	99,050.4	108,323.4	108,940.2	118,865.2	108,846.3	-9.2	9.4	0.6	9.1	2.5
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	1,273.7	2,299.8	2,243.8	3,648.7	3,621.8	2,617.5	80.6	-2.4	62.6	-0.7	35.0
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	-	-	-	-	-	-	-	-	-	-	-
Kerugian Waste	-	-	-	-	-	-	-	-	-	-	-
Prosesan Processing	2,141.5	4,010.7	5,683.1	12,331.5	13,328.8 ^e	7,499.1	87.3	41.7	117.0	8.1	63.5
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	140,613.2	130,990.0	142,574.6	139,470.0	150,749.5	140,879.4	-6.8	8.8	-2.2	8.1	2.0
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/tnn) Per capita consumption (kg/yr)	5.2	4.8	5.1	4.9	5.2	5.0	-8.6	6.9	-3.9	6.7	0.3
Kadar sara diri (%) Self-sufficiency ratio (%)	24.5	28.3	28.4	30.6	29.8	28.4					
Kadar kebergantungan import (%) Import dependency ratio (%)	76.4	73.4	73.1	71.8	72.4	73.4					

Jadual 21: Akaun pembekalan dan penggunaan bagi daging kambing/bebiri, Malaysia, 2007-2011
Table 21: Supply and utilization accounts for mutton, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	19,585.0	19,965.2	20,561.8	24,502.1	20,887.3	21,100.3	1.9	3.0	19.2	-14.8	2.3
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	1,780.0	1,958.4	2,161.9 ^p	2,386.5 ^p	2,744.0 ^e	2,206.2	10.0	10.4	10.4	15.0	11.4
Import Imports	17,805.0	18,006.8	18,399.9	22,115.6	18,143.3	18,894.1	1.1	2.2	20.2	-18.0	1.4
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	-	50.0	11.3	78.6	90.5	46.1	-	-77.4	596.1	15.2	133.5
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	-	-	-	-	-	-	-	-	-	-	-
Kerugian Waste	-	-	-	-	-	-	-	-	-	-	-
Prosesan Processing	-	-	-	-	-	-	-	-	-	-	-
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	19,585.0	19,915.3	20,550.5	24,423.5	20,796.7	21,054.2	1.7	3.2	18.8	-14.8	2.2
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/tn) Per capita consumption (kg/yr)	0.7	0.7	0.7	0.9	0.7	0.8	-0.2	1.3	16.7	-16.0	0.5
Kadar sara diri (%) Self-sufficiency ratio (%)	9.1	9.8	10.5	9.8	13.2	10.5					
Kadar kebergantungan import (%) Import dependency ratio (%)	90.9	90.4	89.5	90.6	87.2	89.7					

Jadual 22: Akaun pembekalan dan penggunaan bagi daging babi, Malaysia, 2007-2011

Table 22: Supply and utilization accounts for pork, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	202,735.7	197,377.2	210,011.4	244,309.5	241,848.3	219,256.4	-2.6	6.4	16.3	-1.0	4.8
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	200,109.0	195,070.0	206,026.0 ^p	234,000.0 ^p	231,000.0 ^e	213,241.0	-2.5	5.6	13.6	-1.3	3.8
Import Imports	2,626.7	2,307.2	3,985.4	10,309.5	10,848.3	6,015.4	-12.2	72.7	158.7	5.2	56.1
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	1,048.9	943.6	2,523.5	828.2	445.7	1,158.0	-10.0	167.4	-67.2	-46.2	11.0
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	-	-	-	-	-	-	-	-	-	-	-
Kerugian Waste	-	-	-	-	-	-	-	-	-	-	-
Prosesan Processing	2,420.2	2,357.2	2,489.9	2,921.8	2,896.8	2,617.2	-2.6	5.6	17.3	-0.9	4.9
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	199,266.6	194,076.4	204,998.0	240,559.5	238,505.7	215,481.2	-2.6	5.6	17.3	-0.9	4.9
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
40 % penduduk ('000) 40 % of population ('000)	10,823.4	11,027.0	11,232.6	11,435.4	11,585.7						
Penggunaan per kapita (kg/thn)* Per capita consumption (kg/yr)	18.4	17.6	18.3	21.0	20.6	19.2	-4.4	3.7	15.3	-2.1	3.1
Kadar sara diri (%) Self-sufficiency ratio (%)	99.2	99.3	99.3	96.1	95.7	97.8					
Kadar kebergantungan import (%) Import dependency ratio (%)	1.3	1.2	1.9	4.2	4.5	2.8					

* Berdasarkan 40 peratus penduduk bukan Islam
Based on 40 per cent non-muslim population

Jadual 23: Akaun pembekalan dan penggunaan bagi telur ayam/itik, Malaysia, 2007-2011
Table 23: Supply and utilization accounts for chicken/duck eggs, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	492,639.1	523,461.9	556,488.8	589,615.2	621,497.7	556,740.5	6.3	6.3	6.0	5.4	6.0
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	492,060.0	522,900.0	556,200.0 ^p	589,560.0 ^p	621,480.0 ^e	556,440.0	6.3	6.4	6.0	5.4	6.0
Import Imports	579.1	561.9	288.8	55.2	17.7	300.5	-3.0	-48.6	-80.9	-67.9	-50.1
Penggunaan (tan metrik) Utilization (tonnes)	62,741.3	84,999.9	101,275.0	74,373.4	81,893.4	81,056.6	35.5	19.1	-26.6	10.1	9.5
Eksport Exports	-	-	-	-	-	-	-	-	-	-	-
Penetasan Hatching	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	-	-	-	-	-	-	-	-	-	-	-
Kerugian Waste	-	-	-	-	-	-	-	-	-	-	-
Prosesan Processing	43,779.1	48,210.0	38,365.0	38,756.7	40,584.6 ^e	41,939.1	10.1	-20.4	1.0	4.7	-1.1
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	386,118.7	390,252.0	416,848.8	476,485.0	499,019.8	433,744.8	1.1	6.8	14.3	4.7	6.7
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3	28,964.3	-0.8	4.9	12.3	3.4	4.9
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	14.3	14.2	14.8	16.7	17.2	15.4	-0.8	4.9	12.3	3.4	4.9
Kadar sara diri (%) Self-sufficiency ratio (%)	114.5	119.3	122.2	114.4	115.2	117.0	-0.8	4.9	12.3	3.4	4.9
Kadar kebergantungan import (%) Import dependency ratio (%)	0.1	0.1	0.1	0.0	0.0	0.1	-0.8	4.9	12.3	3.4	4.9

Jadual 24: Akaun pembekalan dan penggunaan bagi udang, Malaysia, 2007-2011
Table 24: Supply and utilization accounts for shrimp, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	137,413.9	151,062.1	187,489.6	238,831.8	217,134.2	186,386.3	9.9	24.1	27.4	-9.1	13.1
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	108,058.0	133,523.0	160,957.0	204,532.0	177,684.0	156,950.8	23.6	20.5	27.1	-13.1	14.5
Import Imports	29,355.9	17,539.1	26,532.6	34,299.8	39,450.2	29,435.5	-40.3	51.3	29.3	15.0	13.8
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	58,995.4	64,383.6	58,147.7	76,364.3	73,101.8	66,198.5	9.1	-9.7	31.3	-4.3	6.6
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	-	-	-	-	-	-	-	-	-	-	-
Kerugian Waste	-	-	-	-	-	-	-	-	-	-	-
Prosesan Processing	14,706.7	18,172.5	21,906.2	27,836.8	24,182.8	21,361.0	23.6	20.5	27.1	-13.1	14.5
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	63,711.8	68,505.9	107,435.7	134,630.7	119,849.6	98,826.7	7.5	56.8	25.3	-11.0	19.7
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	2.4	2.5	3.8	4.7	4.1	3.5	5.5	54.0	23.1	-12.1	17.6
Kadar sara diri (%) Self-sufficiency ratio (%)	137.8	154.0	124.4	125.9	123.4	130.6					
Kadar kebergantungan import (%) Import dependency ratio (%)	37.4	20.2	20.5	21.1	27.4	24.5					

Jadual 25: Akaun pembekalan dan penggunaan bagi tuna, Malaysia, 2007-2011

Table 25: Supply and utilization accounts for tuna, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	65,146.3	73,076.7	68,758.5	73,302.0	72,852.0	70,627.1	12.2	-5.9	6.6	-0.6	3.1
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	60,496.0	68,596.0	65,666.0	70,015.0	69,603.0	66,875.2	13.4	-4.3	6.6	-0.6	3.8
Import Imports	4,650.3	4,480.7	3,092.5	3,287.0	3,249.0	3,751.9	-3.6	-31.0	6.3	-1.2	-7.4
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	4,014.3	8,537.8	3,046.4	3,982.8	1,473.6	4,211.0	112.7	-64.3	30.7	-63.0	4.0
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	-	-	-	-	-	-	-	-	-	-	-
Kerugian Waste	-	-	-	-	-	-	-	-	-	-	-
Prosesan Processing	1,088.9	1,234.7	1,182.0	1,260.3	1,252.9	1,203.8	13.4	-4.3	6.6	-0.6	3.8
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	60,043.1	63,304.2	64,530.1	68,058.9	70,125.5	65,212.4	5.4	1.9	5.5	3.0	4.0
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	2.2	2.3	2.3	2.4	2.4	2.3	3.5	0.1	3.6	1.7	2.2
Kadar sara diri (%) Self-sufficiency ratio (%)	99.0	106.3	99.9	101.0	97.5	100.7					
Kadar kebergantungan import (%) Import dependency ratio (%)	7.6	6.9	4.7	4.7	4.6	5.6					

Jadual 26: Akaun pembekalan dan penggunaan bagi mackerel, Malaysia, 2007-2011
Table 26: Supply and utilization accounts for mackerel, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	217,229.2	223,788.4	245,753.6	253,269.5	253,097.8	238,627.7	3.0	9.8	3.1	-0.1	4.0
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	179,103.0	194,331.0	207,768.0	212,302.0	210,321.0	200,765.0	8.5	6.9	2.2	-0.9	4.2
Import Imports	38,126.2	29,457.4	37,985.6	40,967.5	42,776.8	37,862.7	-22.7	29.0	7.9	4.4	4.6
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	2,593.5	2,104.7	1,666.3	3,082.6	5,434.8	2,976.4	-18.8	-20.8	85.0	76.3	30.4
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	-	-	-	-	-	-	-	-	-	-	-
Kerugian Waste	-	-	-	-	-	-	-	-	-	-	-
Prosesan Processing	4,423.8	4,800.0	5,131.9	5,243.9	5,194.9	4,958.9	8.5	6.9	2.2	-0.9	4.2
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	210,211.8	216,883.8	238,955.4	244,943.1	242,468.1	230,692.4	3.2	10.2	2.5	-1.0	3.7
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	7.8	7.9	8.5	8.6	8.4	8.2	1.3	8.2	0.7	-2.3	2.0
Kadar sara diri (%) Self-sufficiency ratio (%)	83.4	87.7	85.1	84.9	84.9	85.2					
Kadar kebergantungan import (%) Import dependency ratio (%)	17.8	13.3	15.6	16.4	17.3	16.1					

Jadual 27: Akaun pembekalan dan penggunaan bagi ketam, Malaysia, 2007-2011
Table 27: Supply and utilization accounts for crab, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				
							07-08	08-09	09-10	10-11	Purata Average
Pembekalan (tan metrik) Supply (tonnes)	14,200.9	15,495.7	16,397.5	17,392.5	15,836.1	15,864.5	9.1	5.8	6.1	-8.9	3.0
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	12,123.0	12,202.0	12,178.0	12,516.0	12,948.0	12,393.4	0.7	-0.2	2.8	3.5	1.7
Import Imports	2,077.9	3,293.7	4,219.5	4,876.5	2,888.1	3,471.1	58.5	28.1	15.6	-40.8	15.4
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	1,004.4	1,592.1	1,185.8	1,221.0	904.5	1,181.6	58.5	-25.5	3.0	-25.9	2.5
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	-	-	-	-	-	-	-	-	-	-	-
Kerugian Waste	-	-	-	-	-	-	-	-	-	-	-
Prosesan Processing	437.5	2,221.8	2,006.2	2,153.6	1,988.4	1,761.5	407.9	-9.7	7.3	-7.7	99.5
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	12,759.1	11,681.8	13,205.5	14,018.0	12,943.1	12,921.5	-8.4	13.0	6.2	-7.7	0.8
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	0.5	0.4	0.5	0.5	0.4	0.5	-10.1	11.0	4.3	-8.9	-0.9
Kadar sara diri (%) Self-sufficiency ratio (%)	91.9	87.8	80.1	77.4	86.7	84.4					
Kadar kebergantungan import (%) Import dependency ratio (%)	15.7	23.7	27.7	30.2	19.3	23.6					

Jadual 28: Akaun pembekalan dan penggunaan bagi sotong, Malaysia, 2007-2011
Table 28: Supply and utilization accounts for cuttlefish, Malaysia, 2007-2011

Komoditi Commodity	2007	2008	2009	2010	2011	Purata Average	Peratus perubahan tahunan (%) Annual percentage change (%)				Purata Average
							07-08	08-09	09-10	10-11	
Pembekalan (tan metrik) Supply (tonnes)	95,451.0	90,206.0	95,521.7	90,112.2	92,496.5	92,757.5	-5.5	5.9	-5.7	2.6	-0.7
Stok awal Opening stocks	-	-	-	-	-	-	-	-	-	-	-
Pengeluaran Production	85,270.0	80,059.0	81,387.0	75,369.0	77,046.0	79,826.2	-6.1	1.7	-7.4	2.2	-2.4
Import Imports	10,181.0	10,147.0	14,134.7	14,743.2	15,450.5	12,931.3	-0.3	39.3	4.3	4.8	12.0
Penggunaan (tan metrik) Utilization (tonnes)											
Eksport Exports	41,382.1	39,876.2	31,602.8	28,701.8	28,464.0	34,005.4	-3.6	-20.7	-9.2	-0.8	-8.6
Benih Seed	-	-	-	-	-	-	-	-	-	-	-
Makanan ternakan Feed	-	-	-	-	-	-	-	-	-	-	-
Kerugian Waste	-	-	-	-	-	-	-	-	-	-	-
Prosesan Processing	238.8	224.2	227.9	211.0	215.7	223.5	-6.1	1.7	-7.4	2.2	-2.4
Stok akhir Closing stocks	-	-	-	-	-	-	-	-	-	-	-
Makanan Food	53,830.2	50,105.6	63,691.1	61,199.4	63,816.7	58,528.6	-6.9	27.1	-3.9	4.3	5.1
Penduduk ('000) Population ('000)	27,058.4	27,567.6	28,081.5	28,588.6	28,964.3						
Penggunaan per kapita (kg/thn) Per capita consumption (kg/yr)	2.0	1.8	2.3	2.1	2.2	2.1	-8.6	24.8	-5.6	2.9	3.4
Kadar sara diri (%) Self-sufficiency ratio (%)	157.7	159.1	127.3	122.7	120.3	135.9					
Kadar kebergantungan import (%) Import dependency ratio (%)	18.8	20.2	22.1	24.0	24.1	22.0					

NOTA TEKNIKAL

NOTA TEKNIKAL

1. Pengenalan

- 1.1 Akaun Pembekalan dan Penggunaan (SUA) merupakan lembaran akaun imbalan yang memaparkan perangkaan pembekalan dan penggunaan yang disimpan secara fizikal untuk memadankan elemen pembekalan dan penggunaan. Kerja pembangunan SUA telah bermula pada Ogos 2008. Siaran Khas Akaun dan Indikator Pertanian 2009 - Padi dan beras yang meliputi SUA dan Indikator pertanian telah diterbitkan secara edaran terhad pada 2009.
- 1.2 Pada 2010, penerbitan pertama SUA yang meliputi sembilan item tanaman terpilih telah diterbitkan.
- 1.3 Penerbitan kedua diterbitkan pada 2011 meliputi 23 item pertanian terpilih bagi tempoh 2006-2010 yang mana sebanyak 19 item tanaman dan empat item ternakan telah terpilih.

2. Pemilihan item

- 2.1 Pemilihan item bagi penyusunan SUA, Jabatan Perangkaan Malaysia adalah berdasarkan cadangan daripada agensi pertanian dan dipersetujui bersama oleh ahli Jawatankuasa Teknikal SUA dan diluluskan oleh Jawatankuasa Pemandu SUA.
- 2.2 Item yang diliputi memfokuskan kepada item makanan dan yang memberi impak kepada pengguna. Liputan item juga bergantung kepada ketersediaan data pengeluaran, import dan eksport.

3. Sumber data

- 3.1 Data pengeluaran bagi tanaman, ternakan dan perikanan diperoleh daripada Kementerian Pertanian dan Asas Tani (MOA).

- 3.2 Data import dan eksport diperoleh daripada sumber dalaman Jabatan.
- 3.3 Data prosesan untuk beberapa item terpilih SUA diperoleh daripada sumber dalaman melalui Penyiasatan Pembuatan Tahunan, manakala selebihnya mengguna pakai kadar daripada negara Filipina dan Indonesia.
- 3.4 Semua item perikanan kecuali ketam mengguna pakai kadar prosesan yang dibekalkan oleh Jabatan Perikanan Malaysia.
- 3.5 Data bagi elemen benih, makanan ternakan dan kerugian tidak dapat diperoleh, justeru mengguna pakai kadar daripada negara luar iaitu Filipina dan Indonesia.

4. Konsep dan definisi SUA

- 4.1 *Food and Agriculture Organization of the United Nations (FAO)* merupakan sumber rujukan utama dalam memberi konsep dan definisi yang diguna pakai di dalam penerbitan ini. Rujukan lain meliputi agensi statistik Filipina seperti *Bureau of Agricultural Statistics (BAS)* dan *National Statistical Coordination Board (NSCB)*.
- 4.2 Formula yang diguna pakai juga berdasarkan kepada formula dan cadangan FAO.
- 4.3 SUA disusun dalam kuantiti fizikal dan memaparkan perangkaan pembekalan dan penggunaan yang disimpan bersama secara fizikal dalam satu lembaran untuk memadankan elemen pembekalan dengan penggunaan. Akaun tersebut adalah dalam bentuk persamaanimbangan yang mana hasilnya satu elemen lazimnya dikira sebagai lebihan atau baki.

4.4 Elemen dalam SUA

Elemen yang terkandung dalam pembekalan ialah pengeluaran, import dan stok awal, manakala elemen dalam penggunaan ialah eksport, makanan ternak, benih, kerugian, prosesan, stok akhir dan makanan. Jumlah elemen pembekalan adalah diseimbangkan dengan jumlah elemen penggunaan.

Pembekalan = Pengeluaran + Import + Stok Awal

Penggunaan = Eksport + Benih + Makanan Ternakan + Kerugian + Prosesan + Stok Akhir + Makanan

Jumlah Pembekalan = Jumlah Penggunaan

4.4.1 Pengeluaran merujuk kepada jumlah pengeluaran yang berlaku dalam tempoh rujukan. Ini termasuk pengeluaran sebenar dari ladang dan pengeluaran dari kebun (*backyard production*). Pengeluaran bagi komoditi ternakan pula merujuk kepada binatang yang telah disembelih dan dibersihkan (*dressed carcass*). Manakala pengeluaran untuk komoditi perikanan merujuk kepada tangkapan nominal iaitu berat bersih daripada pendaratan ikan tidak termasuk tangkapan yang rosak, tidak cukup saiz atau yang dimakan oleh nelayan itu sendiri.

Data pengeluaran telur meliputi telur ayam dan telur itik. Telur untuk penetasan tidak diambil kira dalam penyediaan SUA telur kerana data pengeluaran yang diperolehi merujuk kepada telur untuk dimakan/diguna sahaja.

4.4.2 Benih ialah sejumlah komoditi yang diperuntukkan bagi tujuan penanaman baru atau penanaman semula atau pembiakan seperti biji benih untuk tanaman, telur untuk penetasan dan ikan untuk umpan. Bagi penyediaan SUA telur, elemen benih diganti dengan

elemen penetasan. Penetasan ialah sejumlah kuantiti yang diperuntukkan daripada pengeluaran untuk tujuan penetasan.

- 4.4.3 Makanan ternakan merujuk kepada jumlah komoditi yang digunakan untuk makanan ternakan.
- 4.4.4 Prosesan merujuk kepada kuantiti yang diguna untuk prosesan makanan dan makanan ternakan dari produk utama, contoh pisang yang digunakan dalam pembuatan kerepek pisang dan produk bakeri; nanas diproses untuk makanan dalam tin; kelapa untuk kelapa kering dan sebagainya.
- 4.4.5 Import dan eksport merujuk kepada kemasukan komoditi ke dalam negara (import) dan pergerakan komoditi ke luar negara (eksport).
- 4.4.6 Stok awal ialah kuantiti stok bagi sesuatu komoditi yang ada pada awal tempoh rujukan manakala stok akhir ialah kuantiti stok yang ada pada akhir tempoh rujukan.
- 4.4.7 Makanan merujuk kepada jumlah komoditi/makanan yang ada untuk makanan manusia dalam tempoh rujukan. Ia adalah hasil daripada jumlah pembekalan bersih tolak (Benih + Makanan Ternakan + Kerugian + Prosesan). Lazimnya makanan merupakan baki (*residuals*) setelah semua komponen penggunaan yang lain ditentukan.

Makanan = Jumlah pembekalan bersih - (Benih + Makanan Ternakan + Kerugian + Prosesan)

Jumlah pembekalan bersih = (Pengeluaran + Import \pm Stok) – Eksport

5. Prosedur penyediaan SUA

- 5.1 Unit pengukuran yang diguna untuk semua komoditi terpilih ialah dalam tan metrik.
- 5.2 Purata berat telur yang diambil untuk penyediaan SUA telur ialah 60 gram sebiji.
- 5.3 Penggunaan per kapita bagi daging babi dikira berdasarkan 40 peratus penduduk bukan Islam.
- 5.4 Penjanaaan indikator pertanian:
SUA boleh dijadikan asas bagi pengeluaran indikator pertanian seperti kadar sara diri (SSR), kadar kebergantungan import (IDR) dan penggunaan per kapita (PCC).

- 5.4.1 SSR menerangkan tentang magnitud pengeluaran terhadap penggunaan domestik. Ia menunjukkan setakat mana bekalan domestik dalam negara dihasilkan daripada pengeluaran domestik.

SSR yang kurang daripada 100 peratus menunjukkan pengeluaran tidak mencukupi untuk memenuhi keperluan domestik. Manakala bagi SSR yang mencapai kadar 100 peratus atau lebih menunjukkan pengeluaran domestik adalah mencukupi untuk menampung penggunaan domestik.

$$\text{Kadar sara diri} = \frac{\text{Pengeluaran} \times 100}{(\text{Pengeluaran} + \text{Import} \pm \text{Stok}) - \text{Eksport}}$$

- 5.4.2 IDR menerangkan tentang pergantungan negara kepada bekalan import. Ia dikira untuk mengetahui banyak mana bekalan perlu diimport untuk memenuhi keperluan domestik. Kadar yang tinggi menunjukkan pergantungan yang tinggi terhadap import.

$$\text{Kadar kebergantungan import} = \frac{\text{Import} \times 100}{(\text{Pengeluaran} + \text{Import} \pm \text{Stok}) - \text{Eksport}}$$

5.4.3 PCC dikira untuk mendapatkan penggunaan (makanan) bagi setiap penduduk dalam setahun. Unit pengukurannya adalah dalam kilogram setahun.

$$\text{Penggunaan per kapita (kg/thn)} = \frac{\text{Makanan} \times 1,000 \text{ kg}}{\text{Penduduk}}$$

5.5 Jumlah purata yang dipaparkan dalam jadual adalah terbitan daripada membahagikan jumlah data lima tahun dengan bilangan tahun. Purata bagi peratus perubahan tahunan diperolehi dengan membahagikan jumlah peratus perubahan dengan empat.

5.6 Pengiraan jumlah purata bagi SSR dan IDR pula dikira mengikut formula SSR dan IDR yang diberi.

5.7 Data penduduk 2007-2009 adalah Anggaran Penduduk Pertengahan Tahun Antara Banci berasaskan data Banci Penduduk dan Perumahan Malaysia 2000 dan 2010 yang disesuaikan.

5.8 Data penduduk 2011 adalah Anggaran Penduduk Pertengahan Tahun berasaskan data Banci Penduduk dan Perumahan 2010 yang disesuaikan.

6. Pembundaran

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

7. Simbol dan huruf ringkas

Simbol dan huruf ringkas berikut digunakan dalam penerbitan ini:

SUA Akaun pembekalan dan penggunaan

PCC Penggunaan per kapita

SSR Kadar sara diri

IDR Kadar kebergantungan import

Kg/thn Kilogram setahun

p Permulaan

r Pindaan

e Anggaran

- Tiada data

0.0 Kurang daripada 0.05

TECHNICAL NOTES

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1. Introduction

- 1.1 *Supply and Utilization Accounts (SUA) is a balancing account that presents statistics on supply and utilization which is kept physically together to allow the matching of elements of supply and utilization. Development work on SUA started in August 2008. A Special Release on Agricultural Accounts and Indicators 2009 - Paddy and rice was published in 2009 as limited circulation covering both SUA and indicators.*
- 1.2 *In 2010, the first publication on SUA was published covering nine selected crops items.*
- 1.3 *The second publication was published in 2011 covering 23 selected agricultural items for the period 2006-2010 in which 19 items on crops and four items on livestock were selected.*

2. Selection of items

- 2.1 *The selection of items for the compilation of SUA for Department of Statistics, Malaysia is based on the recommendations of the agricultural agencies and was agreed by the SUA Technical Committee and approved by the SUA Steering Committee.*
- 2.2 *The items covered focussed on food that have an impact on consumers. The coverage depends on the availability of the production, imports and exports data.*

3. Source of data

- 3.1 *Data for the production of crops, livestock and fisheries is obtained from the Ministry of Agriculture and Agro-based Industries (MOA).*

- 3.2 *Data on imports and exports is obtained internally within the Department.*
- 3.3 *Data on processing for several selected items is obtained through the Annual Manufacturing Survey, while the remainders adopt the processing rates from Philippines and Indonesia.*
- 3.4 *All fisheries items with the exception of crab adopt processing rates provided by the Department of Fisheries, Malaysia.*
- 3.5 *Data for seeds, feed and waste could not be obtained, therefore rates from other countries like Philippines and Indonesia are adopted.*

4. Concepts dan definition of SUA

- 4.1 *Food and Agriculture Organization of the United Nations (FAO) is the main reference for this publication in defining concepts and definition. Other references are from Philippines statistical agencies such as Bureau of Agriculture Statistics (BAS) and National Statistical Coordination Board (NSCB).*
- 4.2 *Formula used is based on formula and recommendations by FAO.*
- 4.3 *SUA is compiled in physical quantities and presents statistics on supply and utilization which are kept physically together to allow the matching of elements of supply with utilization. The accounts are in the form of balancing equations with the result that one element is usually derived as the remainder or residual.*

4.4 Elements of SUA

Elements found in supply are production, imports and opening stocks, while the elements in utilization are exports, feed, seed, waste, processing, closing stocks and food. The sum of the supply elements equates the sum of the utilization elements.

Supply = Production + Imports + Opening Stocks

Utilization = Exports + Seed + Feed + Waste + Processing + Closing Stocks + Food

Total Supply = Total Utilization

4.4.1 *Production refers to total production that takes place during the reference period. This includes the actual production from the farm and backyard production. Production of livestock items referred to slaughtered animals and dressed carcass, while production of fisheries referred to the nominal catch that is the net weight of the retained catch excluding the damaged catch, undersized or consumed by the fishermen.*

Data on the production of egg includes chicken and duck eggs. Eggs for hatching are not taken into account in the preparation of SUA for egg, for the data obtained refer to the production of egg for consumption only.

4.4.2 *Seeds refer to the amount of commodity allotted for the purpose of new planting or replanting or for breeding such as seed for planting, eggs for hatching and fish for bait. The element seed in SUA for egg is replaced with hatchery. Hatchery refers to quantity allocated from production for hatching purposes.*

4.4.3 *Feed refers to the total commodity allotted for animals feed.*

4.4.4 *Processing refers to the quantity used in the processing of food and feed products from primary products, e.g. banana for processing of banana chips and for bakery products, pineapple for processing of fruits in cans, coconut used in the processing of desiccated coconut and others.*

- 4.4.5 Imports and exports refer to the entering of commodity into the country (imports) and the movement of commodity out of the country (exports).
- 4.4.6 Opening stock is the quantity of commodity available at the beginning of the reference period, while closing stock refers to stock of commodity available at the end of the reference period.
- 4.4.7 Food refers to the total commodity/food for human consumption in the reference period. It is derived from Total net supply minus (Seed + Feed + Waste + Processing). In practice, food is the remainder or residual derived after all other utilization elements are determined.

Food = Total net supply - (Seed + Feed + Waste + Processing)

Total net supply = (Production + Imports ± Stocks) - Exports

5. Procedures for preparation of SUA

- 5.1 The unit of measurement used by all selected commodities is in tonne.
- 5.2 The average weight of egg taken for the preparation of SUA is 60 grammes per egg.
- 5.3 Per capita consumption for pork is calculated based on the 40 per cent of non-muslims population.
- 5.4 Generating agriculture indicators:
SUA paves the way to generate agricultural indicators such as self-sufficiency ratio (SSR), import dependency ratio (IDR) and per capita consumption (PCC).

5.4.1 *SSR expresses the magnitude of production in relation to domestic utilization. It is the extent to which a country's supply of commodities is derived from its own domestic production.*

SSR of less than 100 per cent indicates inadequacy of production to cope with the demand of the domestic requirements, while equal or more than 100 per cent indicates that domestic production is sufficient to support the domestic need.

$$\text{Self-sufficiency ratio} = \frac{\text{Production} \times 100}{(\text{Production} + \text{Imports} \pm \text{Stocks}) - \text{Exports}}$$

5.4.2 *IDR shows the extent to which a country's supply of commodities is derived or originates from abroad. It is calculated to show how much of the available domestic supply has been imported. The higher ratio implies greater dependency on import.*

$$\text{Import dependency ratio} = \frac{\text{Imports} \times 100}{(\text{Production} + \text{Imports} \pm \text{Stocks}) - \text{Exports}}$$

5.4.3 *Per capita consumption refers to food consumed by each person per year. The unit of measurement is kilogramme per year.*

$$\text{Per capita consumption (kg/yr)} = \frac{\text{Food} \times 1,000 \text{ kg}}{\text{Population}}$$

5.5 *The total average presented in the statistical tables are derived by dividing the sum of five years data by the number of years. The average percentage change is derived by dividing the sum of percentage change by four.*

5.6 *The total average of the SSR and IDR is calculated based on the formula of SSR and IDR provided.*

5.7 *The 2007-2010 figures are based on the Intercensal Mid-Year Population Estimates based on the adjusted Population and Housing Census of Malaysia 2000 and 2010.*

5.8 *The 2011 figures are based on the Mid-Year Population Estimates based on the adjusted Population and Housing Census of Malaysia 2010.*

6. Rounding of estimates

The sum of components may not add up to the totals in the tables presented in this publication due to rounding.

7. Symbols and notations

The following symbols and notations have been used throughout the publication:

SUA *Supply and utilization accounts*

PCC *Per capita consumption*

SSR *Self-sufficiency ratio*

IDR *Import dependency ratio*

Kg/yr *Kilogramme per year*

p *Preliminary*

r *Revised*

e *Estimate*

- *No data*

0.0 *Less than 0.05*

SUMBER DATA
DATA SOURCE

SUMBER DATA

DATA SOURCE

Perkara/ <i>Subject</i>	Agensi/ <i>Agency</i>
<ul style="list-style-type: none"> • Data pengeluaran bagi 19 komoditi tanaman terpilih <i>Data on production of the 19 selected crops commodities</i> 	<ul style="list-style-type: none"> • Kementerian Pertanian dan Industri Asas Tani Malaysia <i>Ministry of Agriculture & Agro-Based Industry Malaysia</i> • Jabatan Pertanian Malaysia <i>Department of Agriculture Malaysia</i>
<ul style="list-style-type: none"> • Data pengeluaran bagi empat komoditi ternakan terpilih <i>Data on production of four selected livestock commodities</i> 	<ul style="list-style-type: none"> • Jabatan Perkhidmatan Veterinar <i>Department of Veterinary Services</i>
<ul style="list-style-type: none"> • Data pendaratan ikan bagi lima spesies ikan terpilih <i>Data on production of five selected fisheries items</i> 	<ul style="list-style-type: none"> • Jabatan Perikanan Malaysia <i>Department of Fisheries, Malaysia</i>
<ul style="list-style-type: none"> • Data pembuatan <i>Manufacturing data</i> • Data import dan eksport <i>Imports and exports data</i> • Data penduduk <i>Population data</i> 	<ul style="list-style-type: none"> • Jabatan Perangkaan Malaysia <i>Department of Statistics, Malaysia</i> • Jabatan Perikanan Malaysia <i>Department of Fisheries Malaysia</i>
<ul style="list-style-type: none"> • Formula <ul style="list-style-type: none"> - Pembekalan dan penggunaan <i>Supply and utilization</i> - Kadar sara diri <i>Self-sufficiency ratio</i> - Penggunaan per kapita <i>Per capita consumption</i> - Kadar kebergantungan import <i>Import dependency ratio</i> 	<ul style="list-style-type: none"> • <i>Food and Agriculture Organization of the United Nations (FAO)</i>

Perkara/Subject	Agensi/Agency
<ul style="list-style-type: none"> • Kadar pertukaran dan penganggaran <i>Conversion factors and estimation</i> 	<ul style="list-style-type: none"> • Kementerian Pertanian dan Industri Asas Tani Malaysia <i>Ministry of Agriculture & Agro-Based Industry Malaysia</i> • Jabatan Perikanan Malaysia <i>Department of Fisheries Malaysia</i> • Jabatan Perkhidmatan Veterinar <i>Department of Veterinary Services</i> • <i>FAO, Bureau of Agricultural Statistics (BAS), Philippines, Badan Pusat Statistik (BPS), Indonesia</i>

RUJUKAN
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5. Perangkaan AgroMakanan 2011, Kementerian Pertanian dan Industri Asas Tani, Januari , 2012

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