

USER MANUAL

FOR

APLIKASI SISTEM

EKONOMI PINTAR V2.0

FOR

LEMBAGA KOKO MALAYSIA



2023

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PRICES

1. Domestic Price / INPUT FOR PPE

1.1 Input for PPE / Input for PKK

The screenshot shows the SEP App interface for the 'Prices / Domestic Price' module. The 'Input For PPE' tab is active. A calendar for March 2023 highlights specific dates: 02, 05, 09, 12, 19, and 26 are circled in red, while 08 is circled in yellow. Below the calendar is a table with columns: Centre, Wet Price High, Wet Price Low, Wet Price Avg, and SMC. The first row shows data for Batu Pahat: Centre is Batu Pahat, Wet Price High is 0, Wet Price Low is 0, Wet Price Avg is 0, and SMC is 0. A 'Detail' button is located next to the first row.

Figure 1 Domestic Price – Input for PPE / PKK

Prices - Domestic Price / Input For PPE module allows you to view details for Domestic Cocoa Price. You can click the Dates on the calendar to view Data that were made at a specific date.

The screenshot shows the SEP App interface for the 'Domestic Cocoa Price Details' module. The 'Detail' button for Muar is highlighted with a red box. A modal window titled 'Domestic Cocoa Price Details' is open, showing 'No Data' for the selected date (2023-03-14) and location (Batu Pahat). The main table below shows data for three centres: Batu Pahat, Muar, and Segamat, with all values being 0.

Figure 2 Domestic Price - Details

Click Detail button to view detailed information of Domestic Cocoa Price Details of different Centre.

Figure 3 Domestic Cocoa Price - Filter

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field

1.2 Daily Report

Figure 4 Daily Report - Summary

Under Daily Report - Summary, input data to fields to generate a new Daily Report.

Lembaga Koko Malaysia

Prices / Domestic Price

User admin1

Input For PPE Input For PKK Daily Report Weekly Report Monthly Report Quarterly Report Yearly Report

Summary Average Cocoa Daily Extract Buyer's Monthly Extract Buyer's

Report Filters

Year: Select...
Month: Select...
Centre: Select...

Please set the filter first, then press Generate Button

Generate

Figure 5 Daily Report - Average

Under Daily Report - Average, input data to fields to generate a new Daily Report.

Lembaga Koko Malaysia

Prices / Domestic Price

User admin1

Input For PPE Input For PKK Daily Report Weekly Report Monthly Report Quarterly Report Yearly Report

Summary Average Cocoa Daily Extract Buyer's Monthly Extract Buyer's

Report Filters

Year: Select...
Month: Select...
Grade: Select...

Please set the filter first, then press Generate Button

Generate

Figure 6 Daily Report - Cocoa

Under Daily Report - Cocoa, input data to fields to generate a new Daily Report.

Lembaga Koko Malaysia

SEP App

Dashboard

Prices

Domestic Price

Global Price

Single Origin

Basic Cocoa Statistic

Trade Data

Entrepreneur

Profile

Prices / Domestic Price

User admin1

Input For PPE Input For PKK **Daily Report** Weekly Report Monthly Report Quarterly Report Yearly Report

Summary Average Cocoa **Daily Extract Buyer's** Monthly Extract Buyer's

Report Filters

Start Date: mm/dd/yyyy End Date: mm/dd/yyyy Centre: Select... Buyer: Select...

Please set the filter first, then press Generate Button

Generate

Figure 7 Daily Report - Daily Extract Buyer

Under Daily Report - Daily Extract Buyer's, input data to fields to generate a new Daily Report.

Lembaga Koko Malaysia

SEP App

Dashboard

Prices

Domestic Price

Global Price

Single Origin

Basic Cocoa Statistic

Trade Data

Entrepreneur

Profile

Prices / Domestic Price

User admin1

Input For PPE Input For PKK **Daily Report** Weekly Report Monthly Report Quarterly Report Yearly Report

Summary Average Cocoa Daily Extract Buyer's **Monthly Extract Buyer's**

Report Filters

Year: Select... Month: Select... Centre: Select... Buyer: Select...

Please set the filter first, then press Generate Button

Generate

Figure 8 Daily Report - Monthly Extract Buyer

Under Daily Report -Monthly Extract Buyer's, input data to fields to generate a new Daily Report.

1.3 Weekly Report

The screenshot shows the 'Prices / Domestic Price' report interface. On the left, there is a sidebar with various icons and links: SEP App, Dashboard, Prices (selected), Domestic Price, Global Price, Single Origin, Basic Cocoa Statistic, Trade Data, Entrepreneur, and Profile. The main area has tabs for Input For PPE, Input For PKK, Daily Report, Weekly Report (highlighted with a red box), Monthly Report, Quarterly Report, and Yearly Report. Below the tabs, there are three buttons: Summary, Average, and Cocoa. A 'Report Filters' section contains dropdown menus for Year, Month, and Week, all of which are highlighted with a red box. A green 'Generate' button is at the bottom. A message 'Please set the filter first, then press Generate Button' is displayed next to a document icon.

Figure 9 Weekly Report - Summary

Under Weekly Report - Summary, input data to fields to generate a new Weekly Report.

This screenshot is similar to Figure 9, showing the 'Prices / Domestic Price' report interface. The sidebar and tabs are identical. The 'Average' tab is selected and highlighted with a red box. The 'Report Filters' section also has dropdown menus for Year, Month, and Centre, all highlighted with a red box. The green 'Generate' button and the message 'Please set the filter first, then press Generate Button' are present.

Figure 10 Weekly Report - Average

Under Weekly Report - Average, input data to fields to generate a new Weekly Report.

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SEP App

Dashboard

Prices

Domestic Price

Global Price

Single Origin

Basic Cocoa Statistic

Trade Data

Entrepreneur

Profile

Prices / Domestic Price

Input For PPE Input For PKK Daily Report Weekly Report Monthly Report Quarterly Report Yearly Report

Summary Average **Cocoa**

Report Filters

Year: Select... Month: Select... Grade: Select...

Please set the filter first, then press Generate Button

Generate

Figure 11 Weekly Report - Cocoa

Under Weekly Report - Cocoa, input data to fields to generate a new Weekly Report.

1.4 Monthly Report

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SEP App

Dashboard

Prices

Domestic Price

Global Price

Single Origin

Basic Cocoa Statistic

Trade Data

Entrepreneur

Profile

Prices / Domestic Price

Input For PPE Input For PKK Daily Report **Monthly Report** Quarterly Report Yearly Report

Summary Average Cocoa

Report Filters

Year: Select... Month: Select...

Please set the filter first, then press Generate Button

Generate

Figure 12 Monthly Report - Summary

Under Monthly Report - Summary, input data to fields to generate a new Monthly Report.

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SEP App

Dashboard

Prices

Domestic Price

Global Price

Single Origin

Basic Cocoa Statistic

Trade Data

Entrepreneur

Profile

Prices / Domestic Price

Input For PPE Input For PKK Daily Report Weekly Report **Monthly Report** Quarterly Report Yearly Report

Summary **Average** Cocoa

Report Filters

Year Select... Centre Select...

Please set the filter first, then press Generate Button

Generate

Figure 13 Monthly Report - Average

Under Monthly Report - Average, input data to fields to generate a new Monthly Report.

Lembaga Koko Malaysia

SEP App

Dashboard

Prices

Domestic Price

Global Price

Single Origin

Basic Cocoa Statistic

Trade Data

Entrepreneur

Profile

Prices / Domestic Price

Input For PPE Input For PKK Daily Report Weekly Report **Monthly Report** Quarterly Report Yearly Report

Summary Average **Cocoa**

Report Filters

Year Select... Grade Select...

Please set the filter first, then press Generate Button

Generate

Figure 14 Monthly Report - Cocoa

Under Monthly Report - Cocoa, input data to fields to generate a new Monthly Report.

1.5 Quarterly Report

The screenshot shows the 'Prices / Domestic Price' section of the application. On the left sidebar, under the 'Prices' category, there are links for 'Domestic Price', 'Global Price', 'Single Origin', 'Basic Cocoa Statistic', 'Trade Data', 'Entrepreneur', and 'Profile'. The main area has tabs for 'Summary', 'Average', and 'Cocoa', with 'Summary' selected. Below the tabs is a 'Report Filters' section with dropdown menus for 'Year' and 'Quarter', both currently set to 'Select...'. A green 'Generate' button is located below the filters. At the top right, a user profile for 'User admin1' is visible. A red box highlights the 'Quarterly Report' button in the top navigation bar.

Figure 15 Quarterly Report - Summary

Under Quarterly Report - Summary, input data to fields to generate a new Quarterly Report.

This screenshot is similar to Figure 15 but shows the 'Average' tab selected in the top navigation. The 'Report Filters' section now includes a 'Centre' dropdown menu, which is also set to 'Select...'. The rest of the interface, including the sidebar and the 'Quarterly Report' button, remains the same as in Figure 15.

Figure 16 Quarterly Report - Average

Under Quarterly Report - Average, input data to fields to generate a new Quarterly Report.

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SEP App

Dashboard

Prices

- Domestic Price
- Global Price
- Single Origin
- Basic Cocoa Statistic
- Trade Data
- Entrepreneur
- Profile

Prices / Domestic Price

Input For PPE Input For PKK Daily Report Weekly Report Monthly Report **Quarterly Report** Yearly Report

Summary Average **Cocoa**

Report Filters

Year
Select... | ▾

Grade
Select... | ▾

Please set the filter first, then press Generate Button

Generate

Figure 17 Quarterly Report - Cocoa

Under Quarterly Report - Cocoa, input data to fields to generate a new Quarterly Report.

1.6 Yearly Report

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SEP App

Dashboard

Prices

- Domestic Price
- Global Price
- Single Origin
- Basic Cocoa Statistic
- Trade Data
- Entrepreneur
- Profile

Prices / Domestic Price

Input For PPE Input For PKK Daily Report Weekly Report Monthly Report **Quarterly Report** Yearly Report

Summary Average Cocoa Average (Centre)

Report Filters

Year
Select... | ▾

Please set the filter first, then press Generate Button

Generate

Figure 18 Yearly Report - Summary

Under Yearly Report - Summary, input data to fields to generate a new Yearly Report.

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Prices / Domestic Price

User admin1

SEP App

Dashboard

Prices

Domestic Price

Global Price

Single Origin

Basic Cocoa Statistic

Trade Data

Entrepreneur

Profile

Input For PPE Input For PKK Daily Report Weekly Report Monthly Report Quarterly Report **Yearly Report**

Summary Average Cocoa Average (Centre)

Report Filters

From Year Select... To Year Select... Centre Select...

Generate

Please set the filter first, then press Generate Button

Figure 19 Yearly Report - Average

Under Yearly Report - Average, input data to fields to generate a new Yearly Report.

Lembaga Koko Malaysia

Prices / Domestic Price

User admin1

SEP App

Dashboard

Prices

Domestic Price

Global Price

Single Origin

Basic Cocoa Statistic

Trade Data

Entrepreneur

Profile

Input For PPE Input For PKK Daily Report Weekly Report Monthly Report Quarterly Report **Yearly Report**

Summary Average **Cocoa** Average (Centre)

Report Filters

From Year Select... To Year Select... Grade Select...

Generate

Please set the filter first, then press Generate Button

Figure 20 Yearly Report - Cocoa

Under Yearly Report - Cocoa, input data to fields to generate a new Yearly Report.

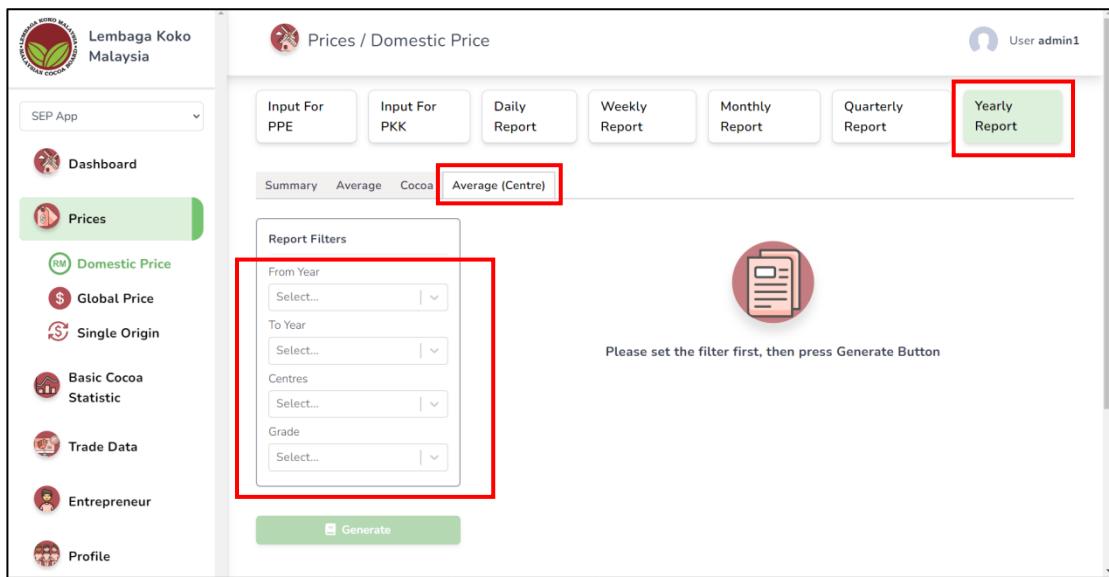


Figure 21 Yearly Report - Average (Centre)

Under Yearly Report - Average (Centre), input data to fields to generate a new Yearly Report.

2. GLOBAL PRICE (ICCO BULETIN)

2.1 ICCO Price

SUN	MON	TUE	WED	THU	FRI	SAT
26	27	28	29	30	31	01
02	03	04	05	06	07	08
09	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	01	02	03	04	05	06

Figure 22 Global Price – ICCO Price

Prices - Global Price / Future Market module allows you to click the Dates on the calendar to view Data that was made or to be created at a specific date.

Figure 23 Global Price - ICCO Price

Click on Add button, fill in fields and click Save button to enter new data for ICCO Price. Click Edit button next to the previously saved data in the table to edit the details.

2.2 Future Price

Figure 24 Global Price - Future Market

Prices - Global Price / Future Price module allows you to click the Dates on the calendar to view Data of Future Prices that were made or to be created at that specific date. When creating new data, click Save button to save data, click Clear All button to erase all keyed in data.

2.3 Monthly Annual Average ICCO

	Year	Month	Source	SDRs/Tonne b/	USD Cents
Edit	2023	2	ICCO Bulletin	73.68	754.4
Edit	2023	4	REUTERS	100	100
Edit	2023	5	REUTERS	4.2	300

Figure 25 Global Price - Monthly Annual Average

Click Monthly Annual Average ICCO and the above will be shown.

New Monthly & Annual Average ICCO

 Year*
 2023

 Month
 April

 Source*
 Select Source

 SDRs/Tonne b/
 0.00

 USD Cents/lb a/
 0.00

Figure 26 Monthly & Annual Average (Add & Edit)

Click on Add button, fill in fields and click Save button to enter new data for Monthly & Annual Average ICCO. Click Edit button next to the previously saved data in the table to edit the details.

	Year	Month	Source	SDRs/Tonne b	USD Cen
<input checked="" type="checkbox"/>	2023	2	ICCO Bulletin	73.68	754.4
<input checked="" type="checkbox"/>	2023	4	REUTERS	100	100
<input type="checkbox"/>	2023	5	REUTERS	4.2	300

Figure 27 Monthly & Annual Average (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small boxes next to title fields allows to select all data or deselect.

	Year	Month	Source	SDRs/Tonne b	USD Cen
<input type="checkbox"/>	2023	2	ICCO Bulletin	73.68	754.4
<input type="checkbox"/>	2023	4	REUTERS	100	100
<input type="checkbox"/>	2023	5	REUTERS	4.2	300

Figure 28 Monthly Annual Average ICCO (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

Sistem Ekonomi Pintar

SEP App

Dashboard

Prices

- Domestic Price
- Global Price (ICCO Buletin)
- Global Price (Refinitiv)
- Single Origin
- Basic Cocoa Statistic
- Trade Data

Prices / Global Price (ICCO Buletin)

Year Filter: 2023

Export as Excel

Filter | Remove | Add

	Year	Month	Source	SDRs/Tonne b	USD Cents
	2023	2	ICCO Bulletin	73.68	754.4
	2023	4	REUTERS	100	100
	2023	5	REUTERS	4.2	300

To Page: 1 | Page 1 of 1 | Showing 10 rows

Figure 29 Monthly Annual Average ICCO (Export as Excel)

Click Export as Excel button to Export the data and the Excel file will be automatically downloaded.

2.4 Monthly Average & High/Low ICCO

Sistem Ekonomi Pintar

SEP App

Dashboard

Prices

- Domestic Price
- Global Price (ICCO Buletin)
- Global Price (Refinitiv)
- Single Origin
- Basic Cocoa Statistic
- Trade Data

Prices / Global Price (ICCO Buletin)

Year Filter: 2023

Export as Excel

Filter | Remove | Add

	Year	Month	Source	Average (SDR p...)	Highest (\$)
	2023	2	ICCO Bulletin	1,370.75	1,807.72
	2023	4	REUTERS	1,000	1,000

To Page: 1 | Page 1 of 1 | Showing 10 rows

Figure 30 Global Price - Monthly Average & High/Low ICCO

Click Monthly Average & high/Low and the above will be shown.

Average (SDR p...)	Highest (\$)
1,370.75	1,807.72
1,000	1,000

Figure 31 Monthly & Annual Average High/Low ICCO (Add & Edit)

Click on Add button, fill in fields and click Save button to enter new data for Monthly & Annual Average High/Low ICCO. Click Edit button next to the previously saved data in the table to edit the details.

	Year	Month	Source	Average (SDR p...)	Highest (\$)
<input checked="" type="checkbox"/>	2023	2	ICCO Bulletin	1,370.75	1,807.72
<input checked="" type="checkbox"/>	2023	4	REUTERS	1,000	1,000

Figure 32 Monthly & Annual Average High/Low ICCO (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

Figure 33 Monthly & Annual Average High/Low ICCO (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

Figure 34 Monthly Average & High/Low ICCO (Export as Excel)

Click Export as Excel button to Export the data and the Excel file will be automatically downloaded.

2.5 International Significance

The screenshot shows the SEP App interface. On the left is a sidebar with various icons and labels: SEP App, Dashboard, Prices (highlighted in green), Domestic Price, Global Price (ICCO Buletin), Global Price (Refinitiv), Single Origin, Basic Cocoa Statistic, and Trade Data. The main area is titled 'Prices / Global Price (ICCO Buletin)' and shows a table of international significance data. At the top right, there is a user icon labeled 'User admin1'. Below the title are several buttons: ICCO Price, Future Price, Monthly Annual Average ICCO, Monthly Average & High/Low ICCO, International Significance (which is highlighted with a red box), and ICCO Price Report. There is also a 'Year Filter' dropdown set to '2023' and an 'Export as Excel' button. The table has columns for Year, Month, Source, London Future (E/Tonne), and New York. Three rows of data are listed: (2023, 2, ICCO Bulletin, 1,917, 2,000), (2023, 4, REUTERS, 100, 100), and (2023, 5, REUTERS, 100, 100). Buttons for 'Edit' and 'Delete' are next to each row.

Figure 35 International Significance

Click International Significance and the above view is shown.

This screenshot shows the 'New International Significance' dialog box open over the main SEP App interface. The dialog box contains fields for 'Year*' (set to 2023), 'Month' (set to April), 'Source*' (dropdown menu 'Select Source'), and two input fields for 'London Future (E/Tonne)' (0.00) and 'New York Futures (US cents/lb)' (0.00). A 'Save' button is at the bottom right. The background shows the same table and navigation elements as Figure 35, with the 'Add' button in the toolbar highlighted with a red box.

Figure 36 International Significance (Add & Edit)

Click on Add button, fill in fields and click Save button to enter new data for International Significance. Click Edit button next to the previously saved data in the table to edit the details.

	Year	Month	Source	London Future	New York
<input checked="" type="checkbox"/>	2023	2	ICCO Bulletin	1,917	2,000
<input checked="" type="checkbox"/>	2023	4	REUTERS	100	100
<input type="checkbox"/>	2023	5	REUTERS	100	100

Figure 37 International Significance (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

	Year	Month	Source	London Future	New York
<input type="checkbox"/>	2023	2	ICCO Bulletin	1,917	2,000

Figure 38 International Significance (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

Sistem Ekonomi Pintar

SEP App

Dashboard

Prices

- Domestic Price
- Global Price (ICCO Buletin)
- Global Price (Refinitiv)
- Single Origin
- Basic Cocoa Statistic
- Trade Data

Prices / Global Price (ICCO Buletin)

User admin1

ICCO Price Future Price Monthly Annual Average ICCO Monthly Average & High/Low ICCO International Significance ICCO Price Report

Year Filter: 2023 Export as Excel

Year	Month	Source	London Future (...	New York
2023	2	ICCO Bulletin	1,917	2,000

To Page: 1 Page 1 of 1 Showing 10 rows

Figure 39 International Significance (Export as Excel)

Click Export as Excel button to Export the data and the Excel file will be automatically downloaded.

2.6 ICCO Price Report

Sistem Ekonomi Pintar

SEP App

Dashboard

Prices

- Domestic Price
- Global Price (ICCO Buletin)
- Global Price (Refinitiv)
- Single Origin
- Basic Cocoa Statistic
- Trade Data

Prices / Global Price (ICCO Buletin)

User admin1

ICCO Price Future Price Monthly Annual Average ICCO Monthly Average & High/Low ICCO International Significance ICCO Price Report

Cocoa Bean Price of International Significance Monthly Average and High/Low (ICCO) Monthly and Annual Average (ICCO)

Report Filters

From Year: Select... To Year: Select...

Generate

Please set the filter first, then press Generate Button

Figure 40 ICCO Price Report

Click ICCO Price Report and the above view is shown.

Figure 41 ICCO Price Report - Cocoa bean Price of International Significance

Under ICCO Price Report - Input data to fields to generate a new Cocoa Bean Price of International Significance Report.

Figure 42 ICCO Price Report - Monthly Average and High/Low (ICCO)

Under ICCO Price Report - Input data to fields to generate a new Monthly Average and High/Low (ICCO) Report.

Figure 43 ICCO Price Report - Monthly and Annual Average (ICCO)

Under ICCO Price Report - Input data to fields to generate a new Monthly and Annual Average (ICCO) Report.

3. Global Price (Refinitiv)

3.1 Future Market

Figure 44 Global Price (Refinitiv) - Future Market

Click Monthly Annual Average ICCO and the Future market view is shown. Choose a date on the Calendar to do the Data Entry for that date.

Prices / Global Price Refinity

User admin1

Thursday, 13 April 2023

Future Label	Source		
<input type="text"/>	Select Source		
Prices	London	New York	Spot Ghana
High	0	0	0
Low	0	0	0
Average	0	0	0
Different	0		
Exchange Rate (RM)	0.0000	0.0000	0.0000
Price (RM)	0.00	0.00	0.00
Pound	0.00	USD	Exchange Rate (USD)
ICCO	0.00	0.00	0.00 0.0000

Figure 45 Future Market - Data Entry

Scroll down to do Data Entry for Future Market and fill in the fields above. Click Save button to enter new data for Future Market. Click Clear All button to delete the entered data in the fields.

3.2 Future Price Report

Prices / Global Price Refinity

User admin1

Future Market Future Price Report ICCO Report

Daily International Cocoa Price - London Daily International Cocoa Price - New York

Report Filters

Year: Select... Month: Select...

Please set the filter first, then press Generate Button

Figure 46 Future Price - Daily International Cocoa Price – London

Under Future Price Report –input data to fields to generate a new Daily International Cocoa Price – London Report.

Figure 47 Future Price Report - Daily International Cocoa Price - New York

Under Future Price Report – input data to fields to generate a new Daily International Cocoa Price – New York Report.

ICCO Report

Figure 48 ICCO Report - Daily Price

Under ICCO Report – input data to fields to generate a new Daily Price Report.

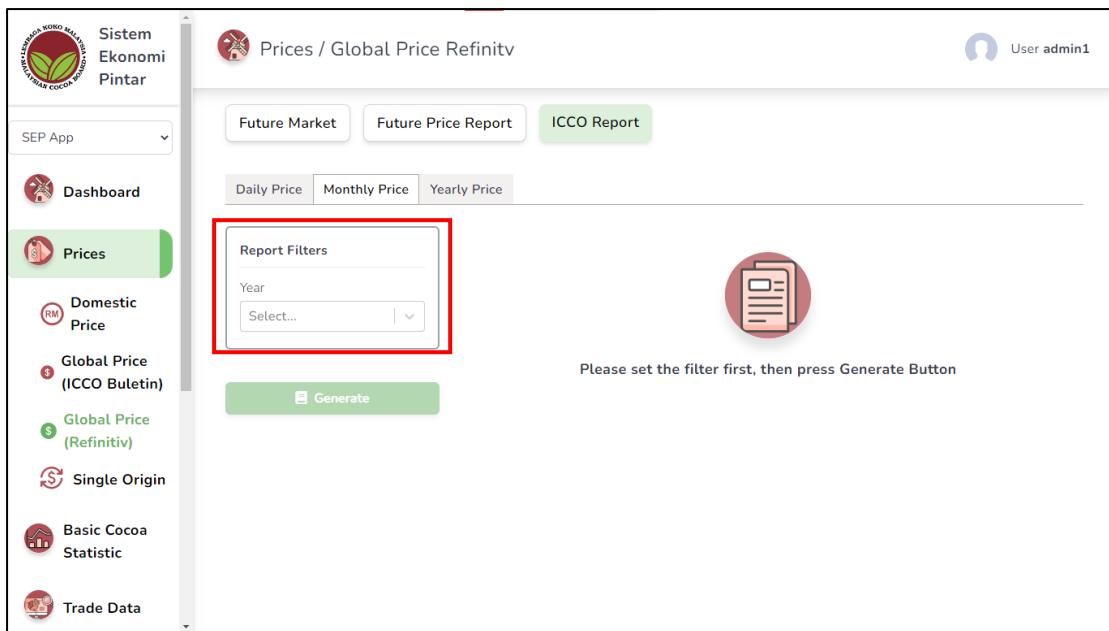


Figure 49 ICCO Report - Monthly Price

Under ICCO Report – input data to fields to generate a new Monthly Price Report.

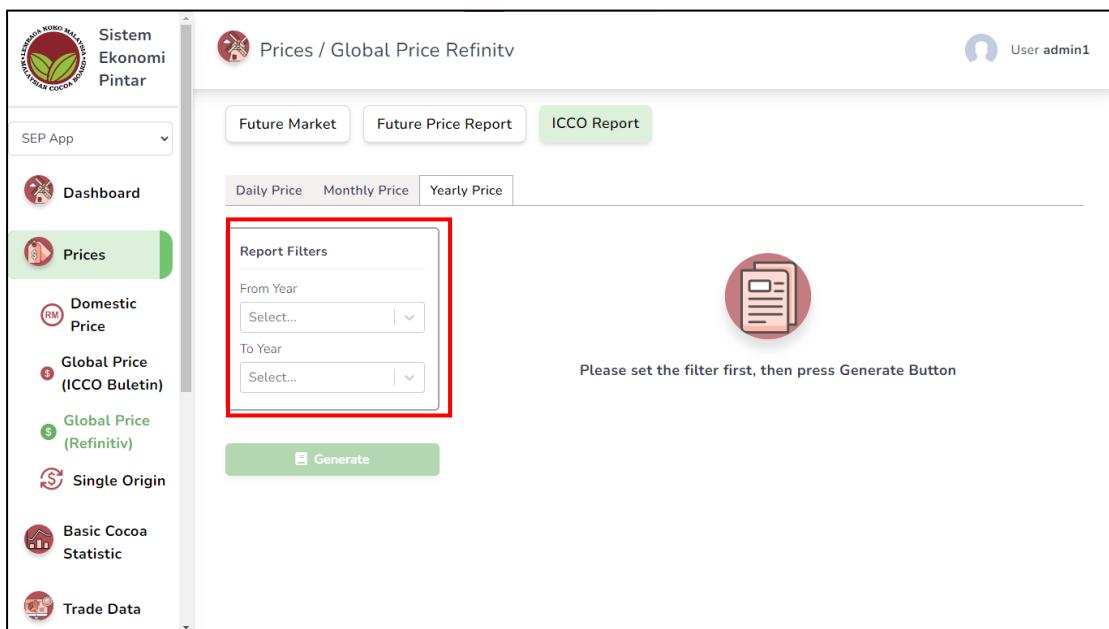


Figure 50 ICCO Report - Yearly Price

Under ICCO Report – input data to fields to generate a new Yearly Price Report.

SINGLE ORIGIN

The screenshot shows the SEP App interface for managing Single Origin data. The sidebar includes options like SEP App, Dashboard, Prices (Domestic Price, Global Price, Single Origin), Basic Cocoa Statistic, Trade Data, Entrepreneur, and Profile. The main area is titled 'Prices / Single Origin' and features a 'Year Filter' dropdown set to '2023'. A table displays data for four companies: JFA AGRO ENTERPRISE, 3N BROTHERS ENTERPRISE, YANIT GAUMBA, and ARTISAN ROAST SDN. BHD., across different quarters (Q1) and regions (Sabah, Semenanjung Malaysia). The 'Year' column is highlighted with a red box.

	Year	Company Name	Quarter	Region	Tonne	Price (RM/Tonne)
	2023	JFA AGRO ENTERPRISE	Q1	Sabah	1	12
	2023	3N BROTHERS ENTERPRISE	Q1	Semenanjung Malaysia	0	0
	2023	YANIT GAUMBA	Q1	Sabah	50	12
	2023	ARTISAN ROAST SDN. BHD.	Q1	Semenanjung Malaysia	100	12

Figure 51 Single Origin (Filter)

In Single Origin, Click the Year Filter and choose a year of your choice to display data only in the chosen year or years in the table.

The screenshot shows the SEP App interface for managing Single Origin data. The sidebar includes options like SEP App, Dashboard, Prices (Domestic Price, Global Price, Single Origin), Basic Cocoa Statistic, Trade Data, Entrepreneur, and Profile. The main area is titled 'Prices / Single Origin' and features a 'Year Filter' dropdown set to '2023'. A modal window titled 'New Single Origin' is open, prompting for fields: Year (2023), Company Name (Select...), Quarter (Select Quarter), Region (Select Region), Tonne (0.00), and Price (RM/Tonne) (0.00). The 'Save' button in the modal and the 'Edit' button next to the first row in the table are highlighted with red boxes.

	Quarter	Region	Tonne	Price (RM/Tonne)
	Q1	Sabah	1	12
	Q1	Semenanjung Malaysia	0	0
	Q1	Sabah	50	12
	Q1	Semenanjung Malaysia	100	12

Figure 52 Single Origin (Add & Edit)

Click on Add button, fill in fields and click Save button to enter new data for Single Origin. Click Edit button next to the previously saved data in the table to edit the details.

Lembaga Koko Malaysia

SEP App

Dashboard

Prices

- Domestic Price
- Global Price
- Single Origin**

Basic Cocoa Statistic

Trade Data

Entrepreneur

Profile

Year Filter: 2023

Export as Excel

Filter Remove Add

	Year	Company Name	Quarter	Region	Tonne	Price
<input checked="" type="checkbox"/>	2023	JFA AGRO ENTERPRISE	Q1	Sabah	1	12
<input checked="" type="checkbox"/>	2023	3N BROTHERS ENTERPRISE	Q1	Semenanjung Malaysia	0	0
<input type="checkbox"/>	2023	YANIT GAUMBA	Q1	Sabah	50	12
<input type="checkbox"/>	2023	ARTISAN ROAST SDN. BHD.	Q1	Semenanjung Malaysia	100	12

To Page: 1 Page 1 of 1 Showing 10 rows

Total Data: 7

Figure 53 Single Origin (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

Lembaga Koko Malaysia

SEP App

Dashboard

Prices

- Domestic Price
- Global Price
- Single Origin**

Basic Cocoa Statistic

Trade Data

Entrepreneur

Profile

Year Filter: 2023

Export as Excel

Filter Remove Add

	Year	Company Name	Quarter	Region	Tonne	Price
<input type="checkbox"/>	2023	JFA	Q1	Sabah	1	12
<input type="checkbox"/>	2023	JFA AGRO ENTERPRISE	Q1	Sabah	1	12

To Page: 1 Page 1 of 1 Showing 10 rows

Total Data: 7

Figure 54 Single Origin (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry of the chosen field to find details of a data directly.

BASIC COCOA STATISTIC

1. DOMESTIC

1.1 Cultivated Area

The screenshot shows the 'Basic Cocoa Statistic / Domestic' interface. On the left is a sidebar with icons for SEP App, Dashboard, Prices, Basic Cocoa Statistic (which is selected and highlighted in green), Domestic, Global, Trade Data, Entrepreneur, Profile, and Master Data. The main area has tabs for Cultivated Area, Production, Grindings, Employment, and Input Agri (i.e. Fertilizer). A 'Year Filter' dropdown is set to 2023. The main table lists cultivated areas for the year 2023 across different regions, states, and estates. Each row in the table has an 'Edit' button. The 'Year' column is highlighted with a red box.

Year	Region	State	Status Information	Estate No
2023	Semenanjung Malaysia	Selangor	1,000	
2023	Semenanjung Malaysia	Melaka	100	
2023	Semenanjung Malaysia	Kedah	10	
2023	Semenanjung Malaysia	Pahang	100	
2023	Semenanjung Malaysia	Perlis	Estimated	10

Figure 55 Cultivated Area (Year Filter)

In Basic Cocoa Statistic -Domestic / Cultivated Area, Click the Year Filter and choose a year of your choice to display data only in the chosen year or years in the table.

The screenshot shows the 'Basic Cocoa Statistic / Domestic' interface with the 'Cultivated Area' tab selected. On the left is a sidebar with icons for SEP App, Dashboard, Prices, Basic Cocoa Statistic (selected), Domestic, Global, Trade Data, Entrepreneur, Profile, and Master Data. The main area has tabs for Cultivated Area, Production, Grindings, Employment, and Input Agri (i.e. Fertilizer). A 'Year Filter' dropdown is set to 2023. The right side shows a form for adding a new cultivated area. Fields include Year*, Region*, State*, Info Status, Estate No, Estate Area, Estate Matured Area, Smallholder No, Smallholder Area, and Smallholder Matured Area. An 'Edit' button is highlighted with a red box. A 'Filter' button, a 'Remove' button, and a green '+ Add' button are also visible.

Figure 56 Cultivated Area (Add & Edit)

Click on Add button, fill in fields and click Save button to enter new data for Cultivated Area. Click Edit button next to the previously saved data in the table to edit the details.

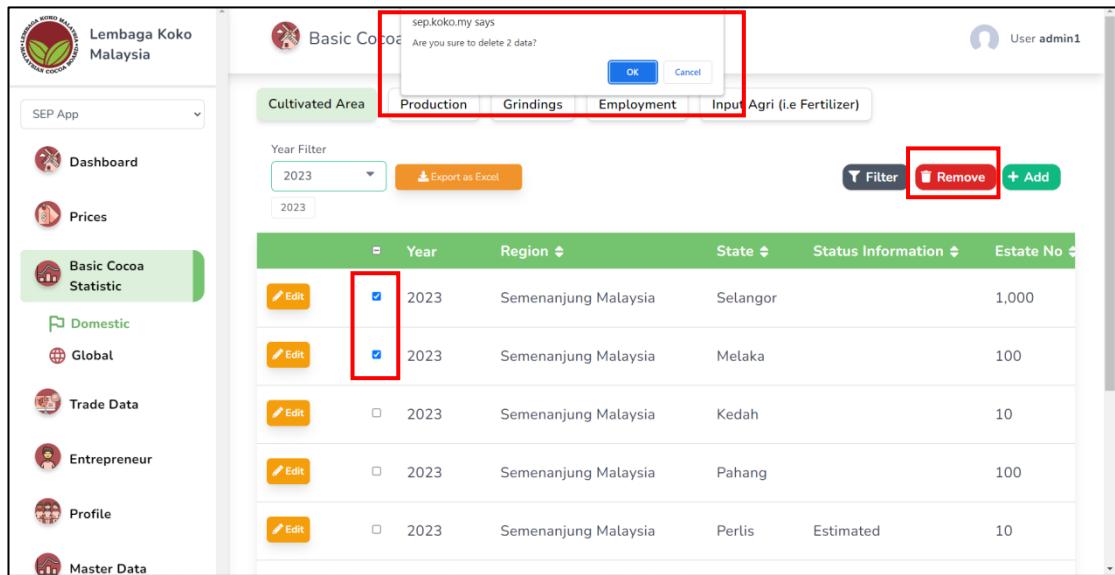


Figure 57 Cultivated Area (Remove)

possible.

Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

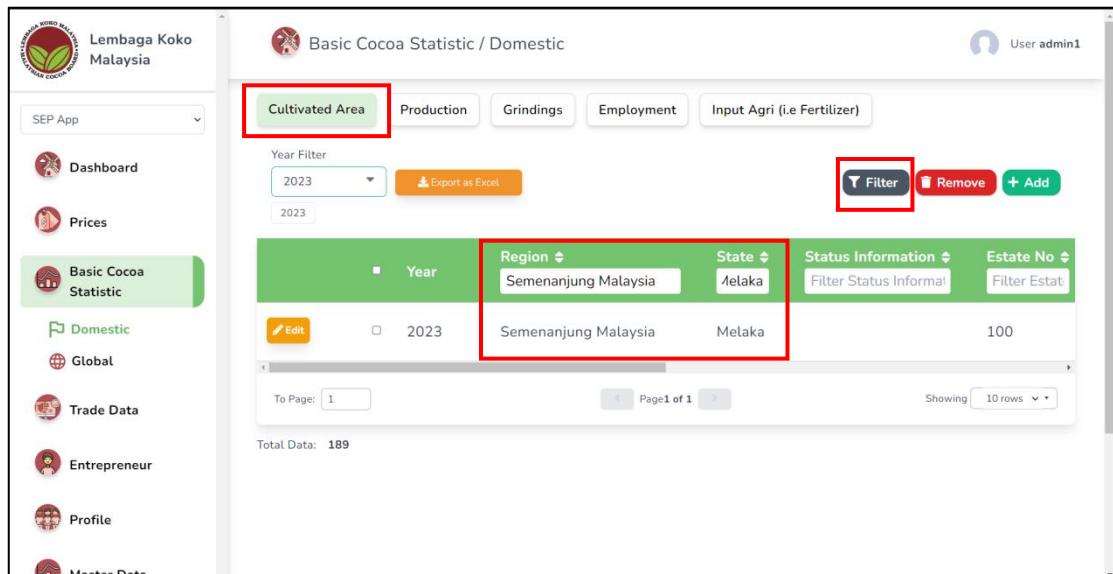


Figure 58 Cultivated Area (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry of the chosen field to find details of a data directly.

1.2 Production

The screenshot shows the 'Basic Cocoa Statistic / Domestic' section of the application. On the left is a sidebar with various links: SEP App, Dashboard, Prices, Basic Cocoa Statistic (which is selected and highlighted in green), Domestic, Global, Trade Data, Entrepreneur, Profile, and Master Data. The main area has tabs for Cultivated Area, Production (which is active and highlighted in green), Grindings, Employment, and Input Agri (i.e. Fertilizer). A 'Year Filter' dropdown is set to 2023, with an 'Export as Excel' button next to it. Below is a table with columns: Year, Month, Region, State, and Status Information. All rows in the table have the year 2023 listed under the 'Year' column. The table includes edit and add buttons for each row.

Figure 59 Production (Year Filter)

In Basic Cocoa Statistic -Domestic / Production, Click the Year Filter and choose a year of your choice to display data only in the chosen year or years in the table

The screenshot shows the 'New BCS Production' form. It includes fields for Year & Month (set to 2023), Region (Select Region dropdown), State (Select State dropdown), Info Status (Select Info Status dropdown), Estate Production (Tonne) (0), Matured Estate Area (0), Estate Yield (Estate Production / Matured Estate Area) (0), Smallholding Production (Tonne) (0), and Matured Smallholder Area (0). To the right is a table with columns: State and Status Information. The table lists data for Kelantan, Perlis, Pahang, Melaka, and Selangor, all with estimated status. A red box highlights the '+ Add' button at the top right of the table area.

Figure 60 Production (Add)

Click on Add button, fill in fields and click Save button to enter new data for BCS Production.

Lembaga Koko Malaysia

Basic Cocoa Statistic / Domestic

Year Filter: 2023

Production Grindings Employment Input Agri (i.e Fertilizer)

User admin1

	Year	Month	Region	State	Status Information
<input checked="" type="checkbox"/>	2023	January	Semenanjung Malaysia	Kelantan	Estimated
<input checked="" type="checkbox"/>	2023	January	Semenanjung Malaysia	Perlis	Estimated
<input type="checkbox"/>	2023	January	Semenanjung Malaysia	Pahang	
<input type="checkbox"/>	2023	February	Semenanjung Malaysia	Melaka	
<input type="checkbox"/>	2023	March	Semenanjung Malaysia	Selangor	

Figure 61 Production (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

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Basic Cocoa Statistic / Domestic

Year Filter: 2023

Production Grindings Employment Input Agri (i.e Fertilizer)

User admin1

Filter

Year	Month	Region	State	Status Information
2023	February	Sabah	Sabah	Filter Status Informal

Figure 62 Production (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry of the chosen field to find details of a data directly.

Lembaga Koko Malaysia

SEP App

Basic Cocoa Statistic

Cultivated Area

Year Filter: 2023

	State*	Info Status*	Estate Production (Tonne)	Matured Estate Area	Estate Yield (Estate Production / Matured Estate Area)	Smallholding Production (Tonne)	Matured Smallholder Area	Smallholder Yield (Smallholder Production / Matured Smallholder Area)	National Yield
<input type="button" value="Edit"/>	Kelantan	Estimated	100	5	20	100	5	20	20
<input type="button" value="Edit"/>									
<input type="button" value="Edit"/>									
<input type="button" value="Edit"/>									
<input type="button" value="Edit"/>									

Input Agri (i.e Fertilizer)

User admin1

State	Status Information
Kelantan	Estimated
Perlis	Estimated
Pahang	
Melaka	
Selangor	

Figure 63 Production (Edit)

Click Edit button next to the previously saved data in the table to edit the details, click Save button to save the changes.

2. Grindings

Lembaga Koko Malaysia

SEP App

Basic Cocoa Statistic / Domestic

Grindings

Year Filter: 2023

	Year	Month	Imported Purchase	Grindings Total	Grindings Capacity
<input type="button" value="Edit"/>	2023	January	110	20	10
<input type="button" value="Edit"/>	2023	January	0	0	0
<input type="button" value="Edit"/>	2023	January	10	100,000	300,000
<input type="button" value="Edit"/>	2023	January	5	10	5
<input type="button" value="Edit"/>	2023	February	100	1,101	1,000

Figure 64 Domestic - Grindings

In Basic Cocoa Statistic - Domestic / Grindings, Click the Year Filter and choose a year of your choice to display data only in the chosen year or years in the table.

Lembaga Koko Malaysia

Basic Cocoa Statistic

Cultivated Area

Year Filter: 2023

New Grinding

Year & Month: -----

Purchase (Tonne)

- Local Purchase

Sabah	0
Sarawak	0
Peninsula Malaysia	0
Imported Purchase	0
- Current Grinding Capacity (MT/YR)

Local Beans	0
Imported Bean	0
Total Grinding (Local + Imported)	0
- Stock Cocoa Beans

Local Beans	0
-------------	---

Grindings Total: 20, Grindings Capacity: 10

Grindings Total: 0, Grindings Capacity: 0

Grindings Total: 100,000, Grindings Capacity: 300,000

Grindings Total: 10, Grindings Capacity: 5

Grindings Total: 1,101, Grindings Capacity: 1,000

Figure 65 Grindings (Add)

Click on Add button, fill in fields and click Save button to enter new data for BCS Production.

sep.koko.my says
Are you sure to delete 3 data?

OK Cancel

Production Grindings Employment Input Agri (i.e Fertilizer)

Filter Remove Add

	Year	Month	Imported Purchase	Grindings Total	Grindings Capacity
<input checked="" type="checkbox"/>	2023	January	110	20	10
<input checked="" type="checkbox"/>	2023	January	0	0	0
<input checked="" type="checkbox"/>	2023	January	10	100,000	300,000
<input type="checkbox"/>	2023	January	5	10	5
<input type="checkbox"/>	2023	February	100	1,101	1,000

Figure 66 Grindings (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect

	Grindings Total	Grindings Capacity
Sabah	20	10
Sarawak	0	0
Peninsula Malaysia	10	0
Imported Purchase	10	0
Total Grinding (MT)	100,000	300,000
Current Grinding Capacity (MT/YR)	300,000	
Stock Cocoa Beans	1,101	1,000
Local Beans	0	

Figure 67 Grinding (Edit)

Click Edit button next to the previously saved data in the table to edit the details, click Save button to save the changes.

	Grindings Total	Grindings Capacity
Cocoa Cake	20	10
Cocoa Butter	0	0
Cocoa Liquor/Mass	0	0
Cocoa Powder	0	0
Average Price FOB	100,000	300,000
Cocoa Cake	10	5
Cocoa Butter	1,101	1,000
Cocoa Liquor/Mass	0	
Cocoa Powder	0	
Average Ratio (%)	0	0
Cocoa Butter Ratio	0	
Cocoa Powder Ratio	0	

Figure 68 Grinding (Edit)

Click Edit button next to the previously saved data in the table to edit the details, click Save button to save the changes.

2.1 Employment

The screenshot shows the 'Basic Cocoa Statistic / Domestic' section of the application. On the left, there's a sidebar with various menu items like SEP App, Dashboard, Prices, and Basic Cocoa Statistic (which is selected and highlighted in green). The main area has tabs for Cultivated Area, Production, Grindings, Employment (which is highlighted with a red box), and Input Agri (i.e. Fertilizer). A 'Year Filter' dropdown is set to 2023, also highlighted with a red box. Below it is a table with columns: Year, Region, Category, Division, and No. The table contains four rows of data for the year 2023. At the bottom right of the table, there are buttons for Filter, Remove, and Add.

Year	Region	Category	Division	No
2023		Upstream	Estate	123
2023		Upstream	Estate	123
2023	Semenanjung Malaysia	Upstream	Smallholder	10
2023	Semenanjung Malaysia	Upstream	Importer	20

Figure 69 Employment (Year Filter)

In Basic Cocoa Statistic - Domestic / Employment, Click the Year Filter and choose a year of your choice to display data only in the chosen year or years in the table.

This screenshot shows a modal dialog titled 'New BCS Employment'. It contains several input fields: Year*, Region*, Category*, Division*, Worker Type, and No Of Worker*. At the bottom right of the dialog is a large red-bordered 'Save' button. The background shows the same 'Basic Cocoa Statistic / Domestic' interface as Figure 69, with the 'Employment' tab selected and the year filter set to 2023.

Figure 70 Employment (Add)

Click on Add button, fill in fields and click Save button to enter new data for BCS Employment.

	Year	Region	Category	Division	No
<input checked="" type="checkbox"/>	2023		Upstream	Estate	123
<input checked="" type="checkbox"/>	2023		Upstream	Estate	123
<input checked="" type="checkbox"/>	2023	Semenanjung Malaysia	Upstream	Smallholder	10
<input type="checkbox"/>	2023	Semenanjung Malaysia	Upstream	Importer	20

Figure 71 Employment (Remove)

possible.

Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

	Year	Region	Category	Division	No
<input type="checkbox"/>	2023	Semenanjung Malaysia	Upstream	Smallholder	10
<input type="checkbox"/>	2023	Semenanjung Malaysia	Upstream	Importer	20

Figure 72 Employment (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry of the chosen field to find details of a data directly.

The screenshot shows the SEP App interface with the 'Basic Cocoa Statistic' module selected. A modal window titled 'Edit BCS Employment' is open, showing a table of employment data. The table has columns for Category, Division, and No. The first row in the table is highlighted with a red box around its 'Edit' button. The 'Save' button at the bottom right of the modal is also highlighted with a red box.

Figure 73 Employment (Edit)

Click Edit button next to the previously saved data in the table to edit the details, click Save button to save the changes.

2.2 Input Agri (i.e Fertilizer)

The screenshot shows the SEP App interface with the 'Basic Cocoa Statistic / Domestic' module selected. The 'Input Agri (i.e Fertilizer)' tab is active and highlighted with a green box. A 'Year Filter' dropdown is open, showing '2023' and '2023'. The '2023' option is highlighted with a red box. The table below shows 'No Data'.

Figure 74 Input Agri (Year Filter)

In Basic Cocoa Statistic - Domestic / Input Agri (I.e Fertilizer), Click the Year Filter and choose a year of your choice to display data only in the chosen year or years in the table.

New Agri Input

Year*
Year (YYYY)
Quarter*
Select Quarter
Region*
Select Region
State*
Select State
Brand*
brand
Agri Type*
Select Agri Type
Prices
0

Save

Filter + Add

Figure 75 Input Agri (Add)

Click on Add button, fill in fields and click Save button to enter new data for Agri Input.

Cultivated Area Production Grindings Employment Input Agri (i.e Fertilizer)

Year Filter 2023 Export as Excel 2023

Year	Region	State	Quarter	Product	Brand
	Filter Region	Filter State	Filter Quarter	Filter Product	Filter Brand

No Data

To Page: 1 Page 1 of 0 Showing 10 rows

Figure 76 Input Agri (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry of the chosen field to find details of a data directly.

3. Global Production

The screenshot shows the 'Basic Cocoa Statistic / Global' interface. On the left is a sidebar with various links: SEP App, Dashboard, Prices, Basic Cocoa Statistic (which is selected and highlighted in green), Domestic, Global, Trade Data, Entrepreneur, Profile, and Master Data. At the top right, it says 'User admin1'. Below the sidebar is a navigation bar with tabs: Production (selected and highlighted in green), Grinding, Country Profile, and World Cocoa Production. A 'Year Filter' dropdown is set to '2023/24'. To its right are buttons for 'Export as Excel', 'Filter', 'Remove', and '+ Add'. The main area contains a table with columns: Year, Country Region, Country, and Production Volume (Tonne). The 'Year' column is highlighted with a red box. The table data is as follows:

Year	Country Region	Country	Production Volume (Tonne)
2023/24	Asia and Oceania	FIJI	1,000
2023/24	Eastern Europe	BULGARIA	100
2023/24	Western Europe	ICELAND	100
2023/24	Africa	ANGOLA	90

At the bottom of the table, there are buttons for 'To Page:', 'Page 1 of 1', and 'Showing 10 rows'. The total data count is 1867.

Figure 77 Production (Year Filter)

In Basic Cocoa Statistic - Global / Production, Click the Year Filter and choose a year of your choice to display data only in the chosen year or years in the table.

The screenshot shows a modal dialog titled 'New BCS Global Production'. It has fields for 'Year*', 'Country Region*', 'Country*', and 'Production Volume (Tonne)'. The 'Year*' field is set to '2023/24'. The 'Country Region*' field has 'Select Country Region' dropdown. The 'Country*' field has 'Select Country' dropdown. The 'Production Volume (Tonne)' field has '0' entered. At the bottom right of the modal is a green 'Save' button with a white icon. In the background, the main production table is visible, showing data for FIJI, BULGARIA, ICELAND, and ANGOLA. The '+ Add' button in the top right of the main table area is highlighted with a red box.

Figure 78 Production (Add)

Click on Add button, fill in fields and click Save button to enter new data for BCS Global Production.

Basic Cocoa Statistic

Production Grinding Country Profile World Cocoa Production

Year Filter: 2023/24 Export as Excel

Remove

	Year	Country Region	Country	Production Volume (Tonne)
<input checked="" type="checkbox"/>	2023/24	Asia and Oceania	FIJI	1,000
<input checked="" type="checkbox"/>	2023/24	Eastern Europe	BULGARIA	100
<input type="checkbox"/>	2023/24	Western Europe	ICELAND	100
<input type="checkbox"/>	2023/24	Africa	ANGOLA	90

To Page: 1 Page 1 of 1 Showing 10 rows

Figure 79 Production (Remove)

possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

Basic Cocoa Statistic / Global

Production Grinding Country Profile World Cocoa Production

Year Filter: 2023/24 Export as Excel

Filter

	Year	Country Region	Country	Production Volume (Tonne)
<input type="checkbox"/>	2023/24	western europe	ICELAND	100

To Page: 1 Page 1 of 1 Showing 10 rows

Figure 80 Production (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry of the chosen field to find details of a data directly.

SEP App

Lembaga Koko Malaysia

Basic Cocoa Statistic

Production

Year Filter: 2023/24

Country Region: Asia and Oceania

Country: Fiji

Production Volume (Tonne): 1,000

User: admin1

Country	Production Volume (Tonne)
Fiji	1,000
BULGARIA	100
ICELAND	100
ANGOLA	90

Total Data: 1867

To Page: 1 | Page 1 of 1 | Showing 10 rows

Figure 81 Global Production (Edit)

Click Edit button next to the previously saved data in the table to edit the details, click Save button to save the changes.

3.1 Grinding

SEP App

Lembaga Koko Malaysia

Basic Cocoa Statistic / Global

Grinding

Year Filter: 2023/24

Export as Excel

User: admin1

Year	Country Region	Country	Grinding Volume (Tonne)
2023/24	Asia and Oceania	CYPRUS	NaN
2023/24	Asean	BRUNEI DARUSSALAM	NaN
2023/24	Asean	INDONESIA	NaN
2023/24	Africa	GABON	NaN

Total Data: 2493

To Page: 1 | Page 1 of 1 | Showing 10 rows

Figure 82 Grinding (Year Filter)

In Basic Cocoa Statistic - Global / Grinding, Click the Year Filter and choose a year of your choice to display data only in the chosen year or years in the table.

New BCS Global Grinding

Year*
2023/24

Country Region*
Select Country Region

Country*
Select Country

Grinding Volume (Tonne)
0

Save

Country	Grinding Volume (Tonne)
PRUS	Nan
UNEI RUSSALAM	Nan
INDONESIA	Nan
GABON	Nan

Figure 83 Global Grinding (Add)

Click on Add button, fill in fields and click Save button to enter new data for BCS Global Grinding.

sep.koko.my says
Are you sure to delete 1 data?

OK Cancel

	Year	Country Region	Country	Grinding Volume (Tonne)
<input checked="" type="checkbox"/>	2023/24	Asia and Oceania	CYPRUS	Nan
<input type="checkbox"/>	2023/24	Asean	BRUNEI DARUSSALAM	Nan
<input type="checkbox"/>	2023/24	Asean	INDONESIA	Nan
<input type="checkbox"/>	2023/24	Africa	GABON	Nan

Figure 84 Global Grinding (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

The screenshot shows the 'Basic Cocoa Statistic / Global' interface. On the left is a sidebar with various icons and links, including 'Basic Cocoa Statistic' which is highlighted in green. The main area has tabs for 'Production', 'Grinding' (which is selected and highlighted in red), 'Country Profile', and 'World Cocoa Production'. Below these are buttons for 'Year Filter' (set to 2023/24), 'Export as Excel', and 'Filter' (also highlighted in red). A table displays data for 'Country Region' (sorted by Year), 'Country', and 'Grinding Volume (Tonne)'. The first two rows in the table are highlighted with a red border, corresponding to the search term 'asean' entered in the 'Country Region' filter input field. The table also includes buttons for 'Edit' and 'Delete'.

Figure 85 Global Grinding (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry of the chosen field to find details of a data directly.

3.2 Country Profile - Consuming Country

The screenshot shows the 'Basic Cocoa Statistic / Global' interface. The sidebar on the left includes 'Basic Cocoa Statistic' (highlighted in green). The main area has tabs for 'Production', 'Grinding', 'Country Profile' (selected and highlighted in red), and 'World Cocoa Production'. Below these are buttons for 'Filter' (highlighted in red), 'Remove', and 'Add'. A table lists 'Consuming Country' data, with columns for 'Country Region' (sorted by Country), 'Country', and 'TAJUH'. The last row, 'ASEAN', is highlighted with a red border. The table includes edit and delete buttons.

Figure 86 Country Profile - Consuming Country (View)

Country Profile has 2 Sub modules, click Consuming Country to display data table for Consuming Country.

	Country Region	Country
<input type="checkbox"/>	Eastern Europe	ALBANIA
<input checked="" type="checkbox"/>	Western Europe	FINLAND
<input type="checkbox"/>	America	ARUBA
<input type="checkbox"/>	Western Europe	BOSNIA AND HERZEGOWINA
<input type="checkbox"/>	Asean	BRUNEI DARUSSALAM

Figure 87 Country Profile - Consuming Country (Remove)

POSSIBLE.

Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

	Country Region	Country
<input type="checkbox"/>	America	ARUBA
<input type="checkbox"/>	America	BELIZE
<input type="checkbox"/>	America	DOMINICA
<input type="checkbox"/>	America	GRENADA
<input type="checkbox"/>	America	HAITI

Figure 88 Country Profile - Consuming Country (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry of the chosen field to find details of a data directly.

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Country Region: Select Country Region

Country: Select Country

Basic Statistic

Cultivated Area: 0

Production: 0

Grindings: 0

Chocolate Manufacturing: 0

Consumption: 0

Save Profile

Filter Remove + Add

ERZEGOWINA

BRUNEI DARUSSALAM

Figure 89 Country Profile Consuming - Basic Statistics (Add)

Click on Add button, Basic Statistic, fill in fields to enter new data for Basic Statistic under Country Profile Consuming. Click Save Profile when Basic Statistic, Cocoa Trade and Upload are filled for data to be displayed in the main table.

Lembaga Koko Malaysia

Country Region: Select Country Region

Country: Select Country

Basic Statistic

Cocoa Trade

Type: Select Type

Product: Select Product Type

Quantity (Tonne): 0,00

Value: 0

Save Trade Data

Filter Remove + Add

Trade Type	Cocoa Type (Global SITC Product)	Quantity	Value
No Data			

Figure 90 Country Profile Consuming - Cocoa Trade (Add)

Click on Cocoa Trade then the Add button, fill in fields to enter new data for Cocoa Trade and click Save Trade Data button. Filled data will be visible in the table under Cocoa Trade.

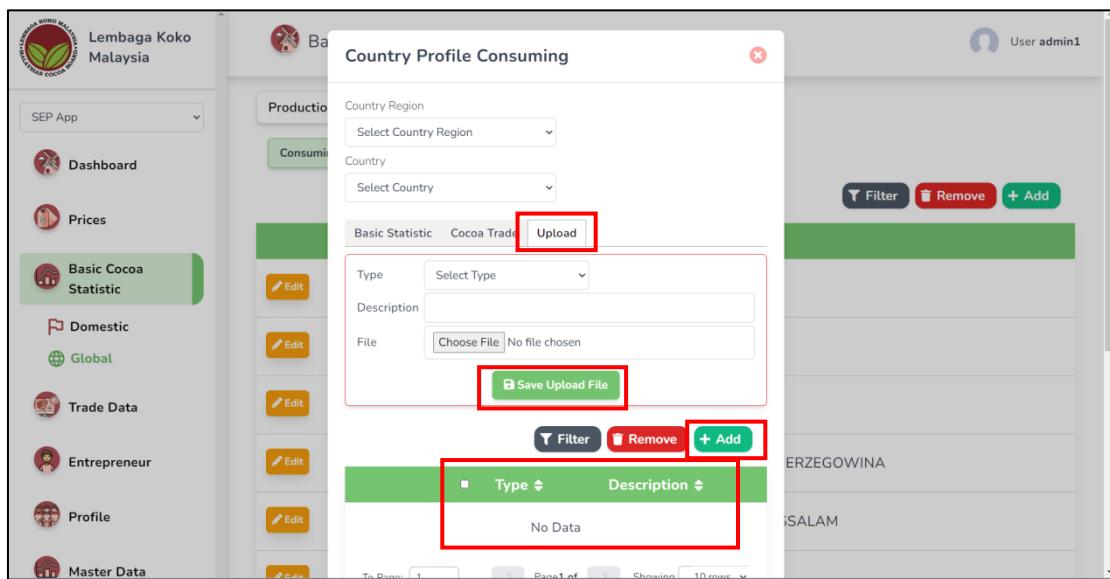


Figure 91 Country Profile Consuming – Upload (Add)

Click on Upload then the Add button, fill in fields to enter new data for Upload and click Save Upload File button. Filled data will be visible in the table under Upload.

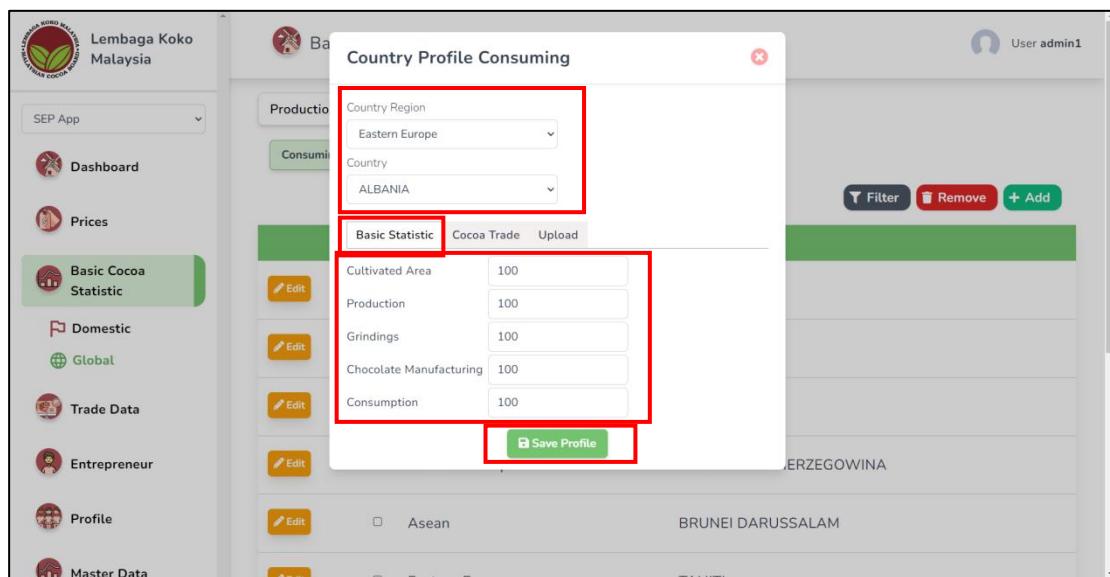


Figure 92 Country Profile Consuming - Basic Statistic (Edit)

Click on Edit button, Basic Statistic, to edit details for Basic Statistic under Country Profile Consuming. Click Save Profile when Basic Statistic, Cocoa Trade and Upload are edited for new edited data to be displayed in the main table.

Country Profile Consuming

Country Region: Eastern Europe
Country: ALBANIA

Basic Statistic Cocoa Trade Upload

Type	Select Type
Product	Select Product Type
Quantity (Tonne)	0.00
Value	0

Save Trade Data

+ Add

No Data

Figure 93 Country Profile Consuming - Cocoa Trade (Edit)

Click on Cocoa Trade then the Add button, fill in fields to enter new data for Cocoa Trade and click Save Trade Data button. Filled data will be visible in the table under Cocoa Trade. Previous saved Cocoa Trade data in the table can be edited by clicking Edit button or deleted by ticking the box next to chosen data then click Remove button.

Country Profile Consuming

Country Region: Eastern Europe
Country: ALBANIA

Basic Statistic Cocoa Trade Upload

Type	Select Type
Description	<input type="text"/>
File	<input type="file"/> Choose File No file chosen

Save Upload File

+ Add

No Data

Figure 94 Country Profile Consuming - Upload (Edit)

Click on Upload then the Add button, fill in fields to enter new data for Upload and click Save Upload File button. Filled data will be visible in the table under Upload. Previous saved Upload data in the table can be edited by clicking Edit button or deleted by ticking the box next to chosen data then click Remove button.

3.4 Country Profile - Producing Country

The screenshot shows the 'Basic Cocoa Statistic / Global' interface. On the left, there's a sidebar with the Lembaga Koko Malaysia logo and a dropdown menu for 'SEP App'. Below the logo are several icons: Dashboard, Prices, Basic Cocoa Statistic (which is highlighted in green), Domestic, Global, Trade Data, Entrepreneur, Profile, and Master Data. In the center, there are tabs for Production, Grinding, Country Profile (which is highlighted with a red box), and World Cocoa Production. Under 'Country Profile', there are two sub-tabs: Consuming Country and Producing Country (also highlighted with a red box). At the bottom right of the main area are buttons for Filter, Remove, and Add. A table below these tabs lists country regions and countries, each with an 'Edit' button. The table has columns for 'Country Region' and 'Country'. The data includes:

Country Region	Country
Middle East	EGYPT
Middle East	BAHRAIN
America	ANGUILLA
Eastern Europe	ARMENIA
Asia and Oceania	OTHER ASIA & OCEANIA

Figure 95 Country Profile - Producing Country (View)

Country Profile has 2 Sub modules, click Producing Country to display data table for Producing Country.

This screenshot shows a modal dialog box titled 'Country Profile Producing'. It has tabs at the top: Basic Statistic (highlighted with a red box), Cocoa Trade, and Upload. The main area contains five input fields with 'Edit' buttons: Cultivated Area (0), Production (0), Grindings (0), Chocolate Manufacturing (0), and Consumption (0). At the bottom right of the dialog is a green 'Save Profile' button.

Figure 96 Country Profile Producing - Basic Statistics (Add)

Click on Add button, Basic Statistic, fill in fields to enter new data for Basic Statistic under Country Profile Producing. Click Save Profile when Basic Statistic, Cocoa Trade and Upload are filled for data to be displayed in the main table.

Country Profile Producing

User admin1

Country Region: Select Country Region

Country: Select Country

Basic Statistic | **Cocoa Trade** | Upload

Type	Select Type
Product	Select Product Type
Quantity	0
Value	0

Save Trade Data

Filter | Remove | **+ Add**

Trade Type	Cocoa Type (Global SITC Product)	Quantity	Value
No Data			

Figure 97 Country Profile Producing - Cocoa Trade (Add)

Click on Cocoa Trade then the Add button, fill in fields to enter new data for Cocoa Trade and click Save Trade Data button. Filled data will be visible in the table under Cocoa Trade.

Country Profile Producing

User admin1

Country Region: Select Country Region

Country: Select Country

Basic Statistic | **Cocoa Trade** | **Upload**

Type	Select Type
Description	<input type="text"/>
File	<input type="file"/> No file chosen

Save Upload File

Filter | Remove | **+ Add**

Type	Description
No Data	

Figure 98 Country Profile Producing - Upload (Add)

Click on Upload then select the Type, enter the Description and Drag or Choose File to upload the file/image. Afterwards Click Save Trade Data button. Filled data will be visible in the table under Producing Country.

The screenshot shows the SEP App interface for managing country profiles. The left sidebar has a green highlighted section for 'Basic Cocoa Statistic'. The main content area is titled 'Basic Cocoa Statistic / Global' and shows the 'Producing Country' tab selected. A confirmation dialog box is overlaid on the screen, asking if the user is sure to delete 2 data. Below the dialog, a table lists country regions and their corresponding countries. The table has two columns: 'Country Region' and 'Country'. Each row includes an 'Edit' button and a checkbox next to the country name.

Country Region	Country
<input checked="" type="checkbox"/> Middle East	EGYPT
<input checked="" type="checkbox"/> Middle East	BAHRAIN
<input type="checkbox"/> America	ANGUILLA
<input type="checkbox"/> Eastern Europe	ARMENIA
<input type="checkbox"/> Asia and Oceania	OTHER ASIA & OCEANIA
<input type="checkbox"/>	VIETNAM

Figure 99 Country Profile Producing (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

The screenshot shows the SEP App interface for managing country profiles. The left sidebar has a green highlighted section for 'Basic Cocoa Statistic'. The main content area is titled 'Basic Cocoa Statistic / Global' and shows the 'Producing Country' tab selected. A filter input field is highlighted with a red box, containing the text 'eastern europe'. Below the filter field is a table of country regions and their corresponding countries. The table has two columns: 'Country Region' and 'Country'. Each row includes an 'Edit' button and a checkbox next to the country name.

Country Region	Country
<input type="checkbox"/> eastern europe	ARMENIA

Figure 100 Country Profile - Producing Country (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry of the chosen field to find details of a data directly.

World Cocoa Statistic

Basic Cocoa Statistic / Global

Year Filter: 2023/24

Export as Excel

World Cocoa Production

	Year	Gross Corp	Grindings	Surplus (%)	Deficit (%)	Total End
<button>Edit</button>	2023/24	100	100	100	100	100

Total Data: 63

Figure 101 World Cocoa Statistic (View)

The above are the home view for World Cocoa Production

New BCS World Production

Year*: 2023/24

Gross Corp: 0

Grindings: 0

Surplus: 0

Deficit: 0

Total End Of Season Stocks: 0

ICCO Buffer Stocks: 0

Free Stocks (%): 0

Total Stocks (%): 0

+ Add

Figure 102 World Cocoa Statistic (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

	Year	Gross Corp	Grindings	Surplus (%)	Deficit (%)	Total End
<input type="checkbox"/>	2023/24	100	100	100	100	100

Figure 103 World Cocoa Statistic (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

	Year	Gross Corp	Grindings	Surplus (%)	Deficit (%)	Total End
<input type="checkbox"/>	2023/24	100	100	100	100	100

Figure 104 World Cocoa Statistic (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry of the chosen field to find details of a data directly.

The screenshot shows the SEP App interface for Lembaga Koko Malaysia. On the left, there's a sidebar with various menu items like Dashboard, Prices, Basic Cocoa Statistic (which is selected and highlighted in green), Domestic, Global, Trade Data, Entrepreneur, Profile, and Master Data. In the center, there's a main content area titled 'Basic Co' with a sub-section 'Production'. A modal window titled 'Edit BCS World Production' is open over the main content. This modal has fields for 'Year*' (set to 2023/24), 'Gross Corp' (100), 'Grindings' (100), 'Surplus' (100), 'Deficit' (100), 'Total End Of Season Stocks' (100), 'ICCO Buffer Stocks' (100), 'Free Stocks (%)' (100), and 'Total Stocks (%)' (100). At the bottom of the modal, there are buttons for 'Filter', 'Remove', and '+ Add'. To the right of the modal, there's a table with columns 'Surplus (%)', 'Deficit (%)', and 'Total End'. The table shows values 100, 100, and 100 respectively. The top right corner of the screen shows a user profile with the name 'User admin1'.

Figure 105 World Cocoa Production (Edit)

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

Trade Data

1. Domestic Trade

Type	Year	Month	GSITC	SITC	Description
Import	2023	May	1801.00.000	Cocoa beans	COCOA BEANS
Import	2023	January	1801.00.000	Cocoa beans	COCOA BEANS
Import	2023	January	1806.90.1000	Other Food Prep.of Flour	OTHER FOOD PREP. OF FLOUR
Import	2023	January	1804.00.000	Cocoa butter	COCOA BUTTER
Import	2023	January	1801.00.000	Cocoa beans	COCOA BEANS

Figure 106 Trade Data - Domestic Trade (View)

Click on the Trade Data module and by default, domestic trade view is shown. To view other modules, click the above button.

Figure 107 Domestic Trade (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

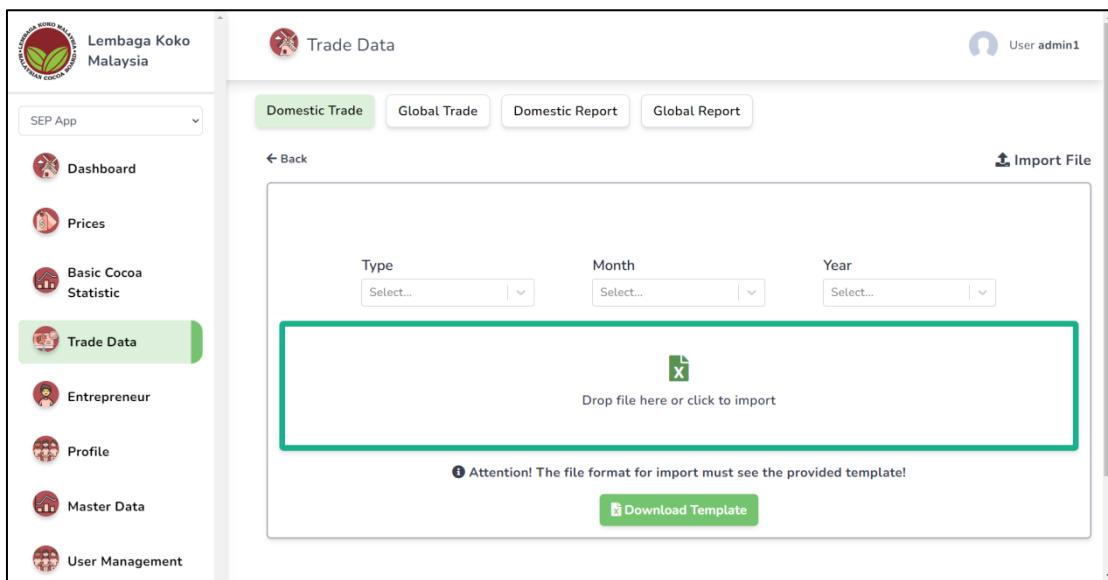


Figure 108 Domestic Trade (Import File)

Click on the Import File button and the above view will be shown. To import the file, drag/drop/click the view above.

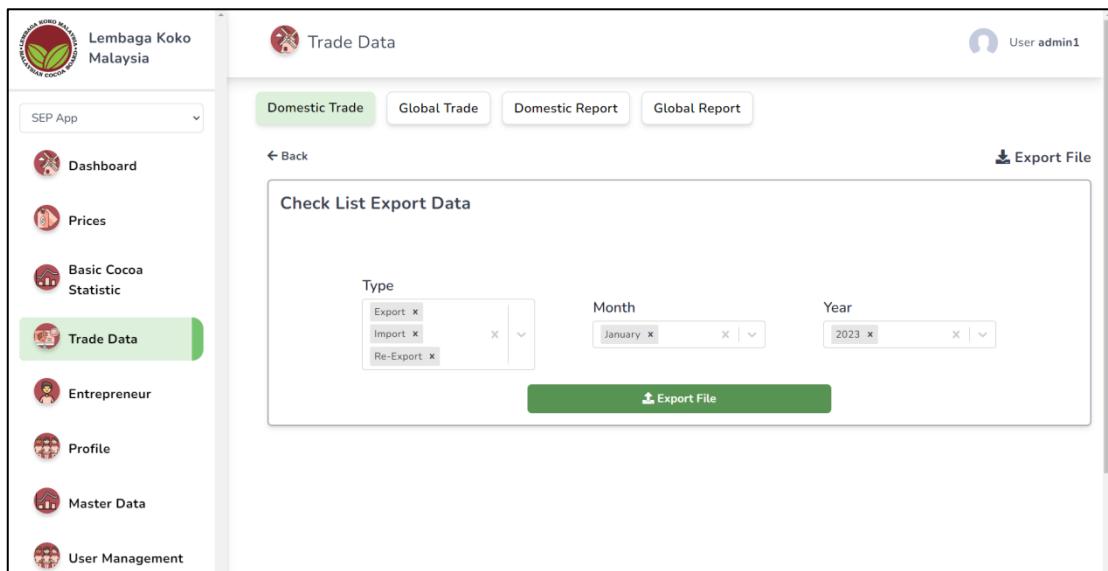


Figure 109 Domestic Trade (Export File)

Click on the Export File button and the above view will be shown. To export a file, User may filter the type of file, month and year then click the Export File.

Type	Year	Month	GSITC	SITC
Import	2023	May	1801.00.000	Cocoa beans
Import	2023	January	1801.00.000	Cocoa beans
Import	2023	January	1806.90.1000	Other Food Prep.of Flour
Import	2023	January	1804.00.000	Cocoa butter
Import	2023	January	1801.00.000	Cocoa beans

Figure 110 Domestic Trade (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

Type	Year	Month	GSITC	SITC
Import	2023	May	1801.00.000	Cocoa beans

Figure 111 Domestic Trade (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

Lembaga Koko Malaysia

SEP App

Dashboard

Prices

Basic Cocoa Statistic

Trade Data

Entrepreneur

Profile

Master Data

User Management

Trade Data

Domestic Trade

Import File

Year Filter

2023

2023

Edit

Type*

Import

Year*

2023

Month

May

Country*

CAMEROON

Local SITC Product*

Cocoa beans - (1801.00.000)

Quantity (Tonne)

4,212,102.53

Value

38,473,898.00

Info Status

SITC

Cocoa beans

Cocoa beans

Other Food Prep.of Flour

Cocoa butter

Cocoa beans

Figure 112 Domestic Trade (Edit)

Click on Edit button and above view will be shown. Amend the description of the fields and click Save

Lembaga Koko Malaysia

SEP App

Dashboard

Prices

Basic Cocoa Statistic

Trade Data

Entrepreneur

Profile

Master Data

User Management

Trade Data

Domestic Trade

Global Trade

Domestic Report

Global Report

Back

Import File Logs

Filter

Log ID	Import Date	File Location
0034a953-8381-4f6d-9a7a-3ddcb930efe	2023-02-22	/trade_data_file/tmp Domestic Trade Import_0034a953-8381-4f6d-9a7a-3ddcb930efe.xlsx
6ba0e053-c543-49c9-835e-f11e9dbcca3b	2023-02-22	/trade_data_file/tmp Domestic Trade Import_6ba0e053-c543-49c9-835e-f11e9dbcca3b.xlsx
831e77f7-f633-4fd8-8020-3ccbfd4b98c	2023-02-20	/trade_data_file/tmp Domestic Trade Import_831e77f7-f633-4fd8-8020-3ccbfd4b98c.xlsx
c1657f59-9fdf-4fc1-bbf5-9de9b056ce06	2023-02-20	/trade_data_file/tmp Domestic Trade Import_c1657f59-9fdf-4fc1-bbf5-9de9b056ce06.xlsx
c390e7f9-bec4-4a2a-8a2a-1a2a2a2a2a2a	2023-02-20	/trade_data_file/tmp Domestic Trade Import_c390e7f9-bec4-4a2a-8a2a-1a2a2a2a2a2a.xlsx

Figure 113 Domestic Trade - Log File

Click on the log file button and the above view will be shown

Lembaga Koko Malaysia

SEP App

Dashboard

Prices

Basic Cocoa Statistic

Trade Data

Entrepreneur

Profile

Master Data

User Management

Trade Data

Domestic Trade Global Trade Domestic Report Global Report

Back Import File Logs Filter

Log ID	Import Date	File Location
0034a953-8381-4f6d-9a7a-3ddbc930efe	2023-02-22	/trade_data_file/tmp_domestic_trade_import_0034a953-8381-4f6d-9a7a-3ddbc930efe.xlsx
6ba0e053-c543-49c9-835e-f11e9dbc3a3b	2023-02-22	/trade_data_file/tmp_domestic_trade_import_6ba0e053-c543-49c9-835e-f11e9dbc3a3b.xlsx

To Page: 1 Page 1 of 1 Showing 10 rows

Figure 114 Domestic Trade - Log File (Filter)

Click Filter button to search for a specific data. Key in the specific log ID/date/file location in the data entry to find details directly of the chosen field

Lembaga Koko Malaysia

SEP App

Dashboard

Prices

Basic Cocoa Statistic

Trade Data

Entrepreneur

Profile

Master Data

User Management

Trade Data

Domestic Trade Global Trade Domestic Report Global Report

Back Missing Data Filter

Year	Type	Month	Country	Product Code	Local SITC Product	InfoStatus
2023	Import	March		1806.90.090	Other Chocolate and Food Preparation Cont. Cocoa	
2023	Import	March		1806.90.3000	Other Food Prep.of Flour	
2023	Import	March		1806.31.0000	Chocolate and other food preparation cont. Cocoa	
2023	Import	March		1806.20.900	Chocolate	
2023	Import	March		1806.10.000	Cocoa powder	

Figure 115 Trade Data - Missing Data

Click on the missing data button and the above view will be shown.

The screenshot shows the Lembaga Koko Malaysia SEP App interface. On the left is a sidebar with various menu items: SEP App, Dashboard, Prices, Basic Cocoa Statistic, **Trade Data** (highlighted in green), Entrepreneur, Profile, Master Data, and User Management. The main area is titled 'Trade Data' and contains tabs for Domestic Trade, Global Trade, Domestic Report, and Global Report. Under 'Global Trade', there is a 'Missing Data' button with a red box around it. Below it is a table with columns: Year, Type, Month, Country, Product Code, Local SITC Product, and InfoStatus. Two rows of data are shown: one for March 2023 Import from 1806.20.900 to Chocolate, and another identical row. At the bottom are pagination controls (To Page: 1, Page 1 of 1, Showing 10 rows).

Figure 116 Missing Data (Filter)

Click Filter button to search for a specific data. Key in the specific year/type/month/country/product code/local SITC product/infostatus in the data entry to find details directly of the chosen field.

2. Global Trade

The screenshot shows the Lembaga Koko Malaysia SEP App interface. The sidebar includes SEP App, Dashboard, Prices, Basic Cocoa Statistic, **Trade Data**, Entrepreneur, Profile, Master Data, and User Management. The main area is titled 'Trade Data' and has tabs for Domestic Trade, **Global Trade** (highlighted in green), Domestic Report, and Global Report. Below these are buttons for Import File, Export File, Log File, and Missing Data. A 'Year Filter' dropdown is set to 2023/24. The main table has columns: Edit, Type, Year, Country Region, Country, Product Type, and Quantity. Five rows of data are listed, all showing Import from 2023/24 to various countries and regions.

Figure 117 Trade Data - Global Trade (View)

Click on the Global Trade button and the Global Trade submodule view is shown.

New Global Trade

Type* Select Export/Import Type

Year* 2023/24

Country Region* Select Country Region

Country* Select Country

Global SITC Product* Select Product

Quantity* 0

Save

Country	Product Type	Quantity
SLOVAKIA	Cocoa Beans	100
INDONESIA	Cocoa Beans	100
SLOVAKIA	Cocoa Beans	100
INDONESIA	Cocoa Beans	100
SLOVAKIA	Cocoa Beans	100

Figure 118 Global Trade (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

Trade Data

Domestic Trade Global Trade Domestic Report Global Report

Import File

Type Select...

Year Select...

Drop file here or click to import

Attention! The file format for import must see the provided template!

Download Template

Figure 119 Global Trade - Import File (Add)

Click on the Import File button and the above view will be shown. To import the file, drag/drop/click the view above.

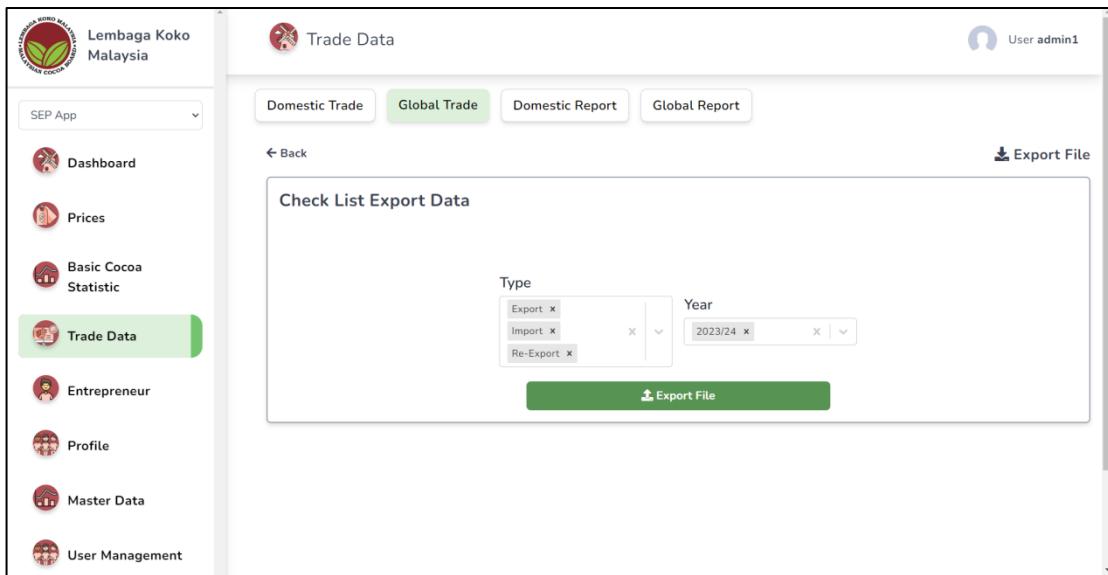


Figure 120 Global Trade -Export File

Click on the Export File button and the above view will be shown. To export a file, User may filter the type of file, month and year then click the Export File.

Log ID	Import Date	File Location
60a82ae9-5f18-4669-b218-8007af498363	2023-02-22	/trade_data_file/tmp_global_trade_import_60a82ae9-5f18-4669-b218-8007af498363.xlsx
6bfa03f0-0746-404c-8a8d-e4ba677893ff	2023-02-22	/trade_data_file/tmp_global_trade_import_6bfa03f0-0746-404c-8a8d-e4ba677893ff.xlsx
f2230726-4bd8-43d8-848e-8e83f92d04a2	2023-02-20	/trade_data_file/tmp_global_trade_import_f2230726-4bd8-43d8-848e-8e83f92d04a2.xlsx
9c1144e8-fd23-4e93-9b08-1ed98a5f7621	2023-02-20	/trade_data_file/tmp_global_trade_import_9c1144e8-fd23-4e93-9b08-1ed98a5f7621.xlsx
109d3e65-41bd-46d6-84fa-17961ed79rf6	2023-01-06	/trade_data_file/tmp_global_trade_import_109d3e65-41bd-46d6-84fa-17961ed79rf6.xlsx

Figure 121 Global Trade - Log File

Click on the Import File Logs and the above view will be shown.

Log ID	Import Date	File Location
f2230726-4bd8-43d8-848e-8e83f92d04a2	2023-02-20	/trade_data_file/tmp_global_trade_import_f2230726-4bd8-43d8-848e-8e83f92d04a2.xlsx
9c1144e8-fd23-4e93-9b08-1ed98a5f7621	2023-02-20	/trade_data_file/tmp_global_trade_import_9c1144e8-fd23-4e93-9b08-1ed98a5f7621.xlsx

Figure 122 Global Trade - Log File (Filter)

Click Filter button to search for a specific data. Key in the specific log ID/Import date/File location in the data entry to find details directly of the chosen field.

Year	Type	Country	Country Region	Product Code	Global SITC Product
2023/24	Import			CB	Cocoa Beans
2023/24	Import				
2023/24	Import			CT	Cocoa Butter
2023/24	Import	VIETNAM	Asean		
2023/24	Import	VIETNAM	Asean		

Figure 123 Trade Data - Missing Data (View)

Click on the missing data button and the above view will be shown.

The screenshot shows the SEP App interface. On the left is a sidebar with various icons and labels: SEP App, Dashboard, Prices, Basic Cocoa Statistic, Trade Data (which is highlighted with a green background), Entrepreneur, Profile, Master Data, and User Management. The main content area is titled 'Trade Data' and includes tabs for Domestic Trade, Global Trade, Domestic Report, and Global Report. Below these tabs is a 'Missing Data' indicator and a 'Filter' button, which is highlighted with a red box. The main table lists trade data with columns for Year, Type, Country, Country Region, Product Code, and Global SITC Product. The data includes entries for 2023/24 Import (CT, Cocoa Butter), 2020/21 Import (CT, Cocoa Butter), 2020/21 Import (CT, Cocoa Butter), and 2022/23 Export (CT, Cocoa Butter).

Figure 124 Trade Data - Missing Data (Filter)

Click Filter button to search for a specific data. Key in the Year/Type/Country/ Country Region/Product Code/Global SITC Product in the data entry to find details directly of the chosen field.

The screenshot shows the SEP App interface. The sidebar is identical to Figure 124. The main content area is titled 'Trade Data' and includes tabs for Domestic Trade, Global Trade, Domestic Report, and Global Report. It also includes buttons for Import File, Export File, Log File, and Missing Data. Below these is a 'Year Filter' dropdown set to 2023/24 and an 'Export as Excel' button. The main table lists trade data with columns for Edit, Type, Year, Country Region, Country, Product Type, and Quantity. Two checkboxes are highlighted with red boxes: one next to the 'Edit' icon for the first row and another next to the 'Type' column header. A 'Remove' button is also highlighted with a red box. A confirmation dialog box in the center says 'sep.koko.my says Are you sure to delete 2 trade data ?' with OK and Cancel buttons.

Figure 125 Global Trade (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

Lembaga Koko Malaysia

SEP App

Trade Data

Domestic Trade Global Trade Domestic Report Global Report

Import File Export File Log File Missing Data

Year Filter 2023/24 Export as Excel

Filter Remove Add

Type	Year	Country Region	Country	Product Type	Quantity
Filter	Filter Yr	Asean	Filter Coun	Filter Product	Filter Quai
Import	2023/24	Asean	INDONESIA	Cocoa Beans	100
Import	2023/24	Asean	INDONESIA	Cocoa Beans	100
Import	2023/24	Asean	INDONESIA	Cocoa Beans	100
Import	2023/24	Asean	INDONESIA	Cocoa Beans	100

Figure 126 Global Trade (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

Lembaga Koko Malaysia

SEP App

Trade Data

Domestic Trade Global Trade

Import File Export File Log File Missing Data

Year Filter 2023/24 Export as Excel

Edit Remove Add

Country	Product Type	Quantity
SLOVAKIA	Cocoa Beans	100
INDONESIA	Cocoa Beans	100
SLOVAKIA	Cocoa Beans	100
INDONESIA	Cocoa Beans	100

Edit Global Trade

Type* Import

Year* 2023/24

Country Region* Eastern Europe

Country* SLOVAKIA

Global SITC Product* Cocoa Beans - (CB)

Quantity* 100

Save

Figure 127 Global Trade (Edit)

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

3. Domestic Report

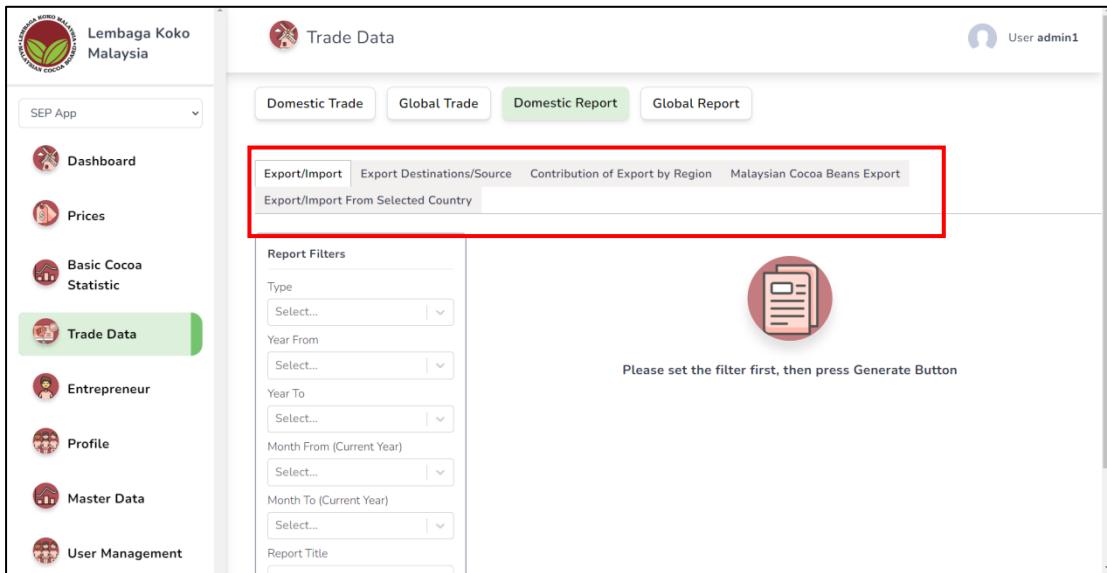


Figure 128 Domestic Report - Export/import

Click on the domestic report and there's multiple report can be generated as shown in the figure above.

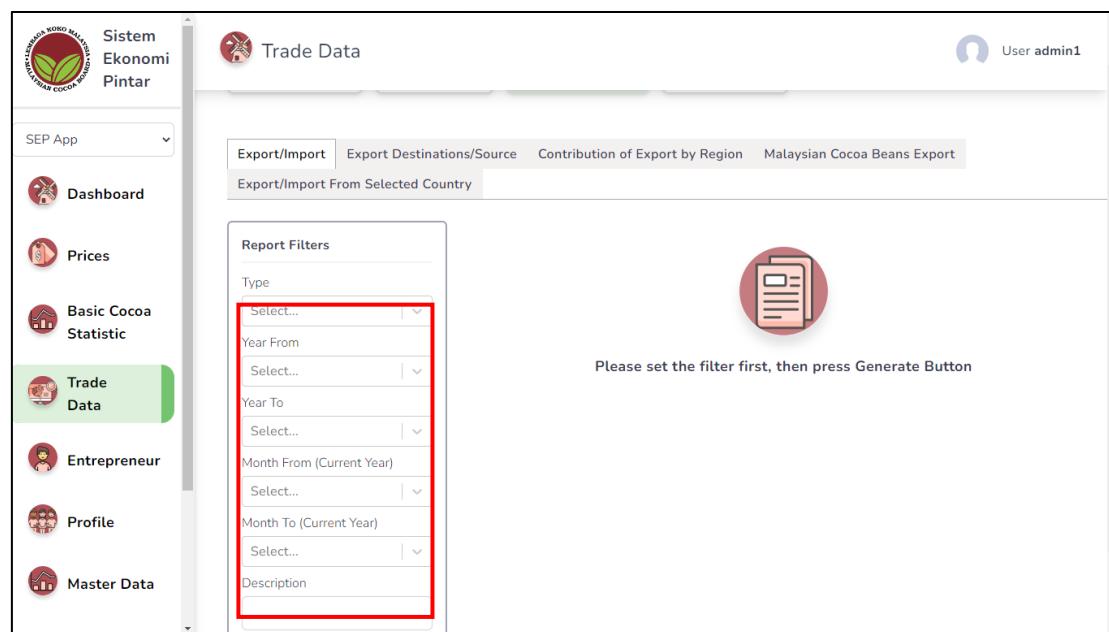


Figure 129 Domestic Report - Export/import

Click Export/Import, fill in the data into the data entry filter and click generate to generate the Export/Import Report.

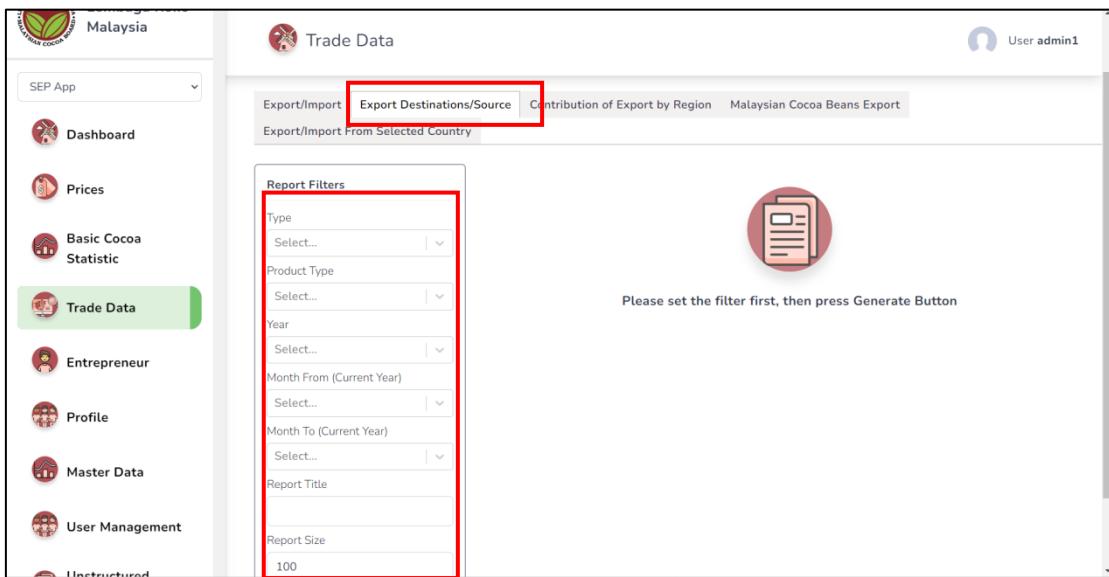


Figure 130 Trade Data - Export Destination/Source

Click Export Destination/Source , fill in the data into the data entry filter and click generate to generate Export Destination/Source Report.

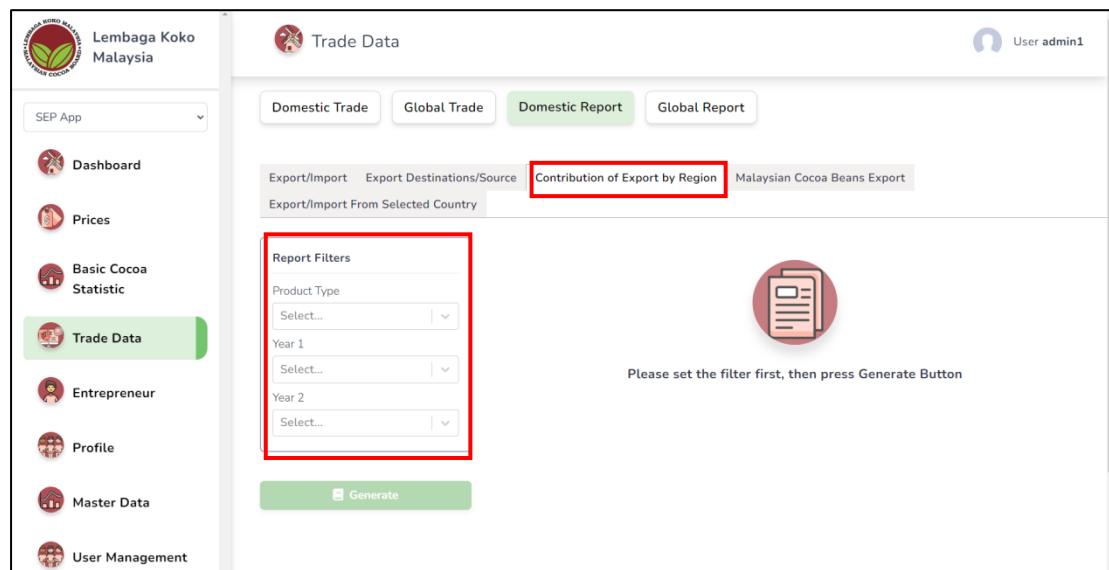


Figure 131 Domestic Trade - Contribution of Export by Region

Click Contribution of Export by Region, fill in the data into the data entry filter and click generate to generate Contribution of Export by Region Report.

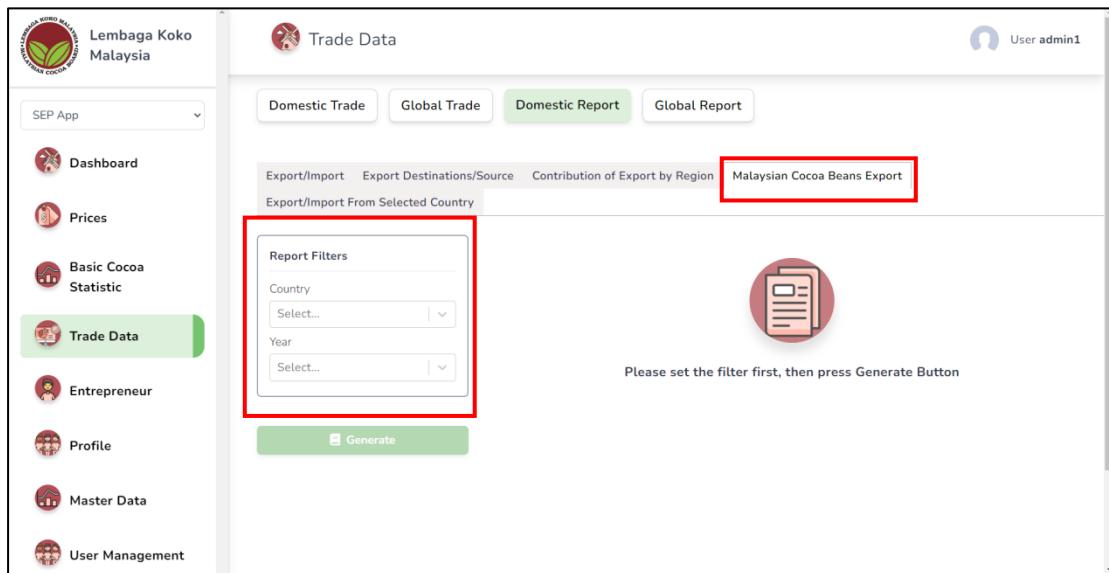


Figure 132 Domestic Trade - Malaysian Cocoa Beans Export

Click Malaysian Cocoa Beans Export, fill in the data into the data entry filter and click generate to generate Malaysian Cocoa Beans Export Report.

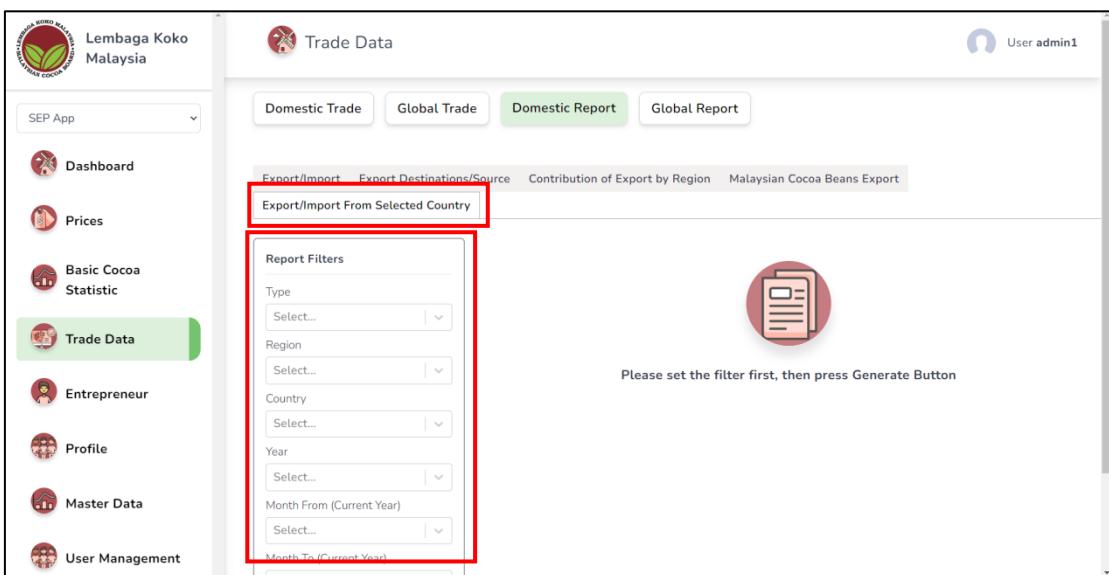


Figure 133 Export/Import from Selected Country

Click generate Export/Import from Selected Country Report, fill in the data into the data entry filter and click generate to generate Export/Import from Selected Country Report.

4. Global Report

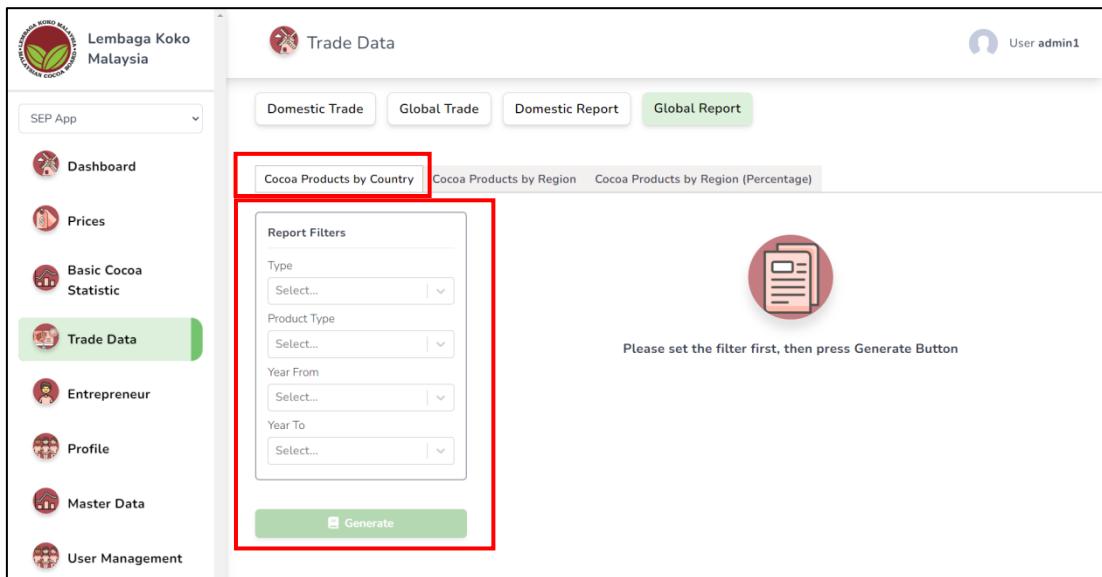


Figure 134 Global Report - Cocoa Product by Country

Click Cocoa Products by Country, fill in the data into the data entry filter and click generate to generate Cocoa Products by Country Report.

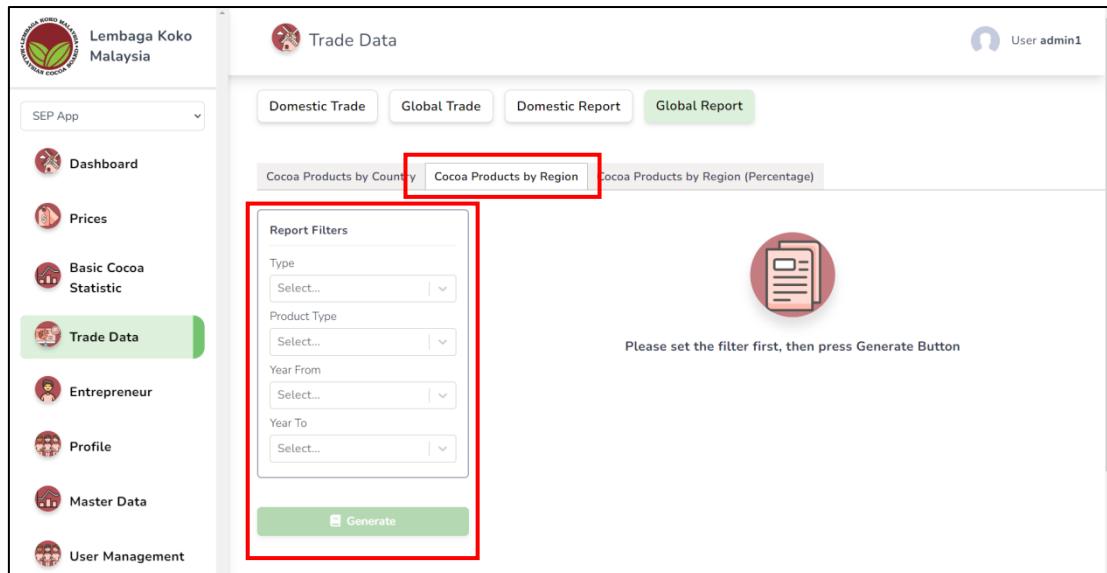


Figure 135 Global Report - Cocoa Products by Region

Click Cocoa Products by Region, fill in the data into the data entry filter and click generate to generate Cocoa Products by Region Report.

Lembaga Koko Malaysia

SEP App

Dashboard

Prices

Basic Cocoa Statistic

Trade Data

Entrepreneur

Profile

Master Data

User Management

Trade Data

Domestic Trade

Global Trade

Domestic Report

Global Report

Cocoa Products by Country

Cocoa Products by Region

Cocoa Products by Region (Percentage)

Report Filters

Type
Select...

Product Type
Select...

Year From
Select...

Year To
Select...

Generate

Please set the filter first, then press Generate Button

Figure 136 Global Report - Cocoa Product by Region (Percentage)

Click Cocoa Products by Region (percentage), fill in the data into the data entry filter and click generate to generate Cocoa Products by Region (percentage) Report.

ENTREPRENEUR

1. PRODUCTION & SALES

The screenshot shows the 'Entrepreneur / Production And Sales' page. On the left, there is a sidebar with the Lembaga Koko Malaysia logo and a dropdown menu set to 'SEP App'. Below the logo are several icons: Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur (selected), Production And Sales (highlighted with a red box), Production And Sales Report, and Profile. The main area displays a table titled 'Entrepreneur / Production And Sales' with columns: Month Filter, Year, Month, Entrepreneur, State, Coverture Milk, and Others. A single row is visible: Year 2023, Month March, Entrepreneur JUWITA BINTI ZULKIFLI, State SELANGOR, Coverture Milk 10, and Others 1. At the top right, there are 'Filter', 'Remove', and '+ Add' buttons. Below the table are buttons for 'Edit', 'Save', 'To Page: 1', 'Page 1 of 1', and 'Showing 10 rows'.

Figure 137 Entrepreneur - Production and Sales

Click on the Production and Sales button and the above view is shown.

The screenshot shows the 'New Production And Sales' dialog box. It has a 'Select Entrepreneur' dropdown menu open, listing 'JUWITA BINTI ZULKIFLI'. At the bottom right of the dialog are 'Save' and '+ Add' buttons. The background shows the same interface as Figure 137, with the '+ Add' button highlighted with a red box.

Figure 138 Entrepreneur - Production and Sales (Add)

Click on Add button and above view will be shown. To add new data, click on the select Entrepreneur.

The screenshot shows a table titled "Entrepreneur List" with columns: ID Card, Name, and State. Each row contains an orange "Select" button. A red box highlights the "Select" buttons.

ID Card	Name	State	
12345678	aina	JOHOR	Select
930909-13-6075	MOHAMMAD NAZRIN BIN MOHD BADRIN	SELANGOR	Select
800217-10-5790	WARDAWATI BINTI MOHD MAS LORO	SELANGOR	Select
781121-14-5850	JUWITA BINTI ZULKIFLI	SELANGOR	Select
761025-12-5480	ARENAWATI @ LINA BINTI ELIAS	SABAH	Select
780120-05-5752	WAN KAMARINA BINTI HJ KAMARUDIN	N.SEMBILAN	Select

Figure 139 Entrepreneur - Select Candidates

Next, select the entrepreneur listed in the table.

The screenshot shows a table titled "Entrepreneur List" with columns: ID Card, Name, and State. A filter has been applied to the Name field, showing results for "arenawati". A red box highlights the "Filter" button.

ID Card	Name	State	
761025-12-5480	ARENAWATI @ LINA BINTI ELIAS	SABAH	Select

Figure 140 Entrepreneur (Filter)

Click filter button, Key in the specific word in the data entry to find details directly of the chosen field.

The screenshot shows the 'Entrepreneur' data entry screen. On the left, a sidebar menu includes 'Dashboard', 'Prices', 'Basic Cocoa Statistic', 'Trade Data', 'Entrepreneur' (selected), 'Production And Sales', 'Production And Sales Report' (highlighted with a red box), and 'Profile'. The main area has a 'Month Filter' dropdown set to 'March'. A red box highlights the 'Entrepreneur' section where 'MOHAMMAD NAZRIN BIN MOHD BADRIN' is listed under 'State: SELANGOR'. Below this, there are fields for 'Year' (2023) and 'Month' (March). The data entry form contains sections for 'Coverture (Kg)' and 'Compound (Kg)' for Milk, White, and Dark categories, along with a 'Total' row. At the bottom, there are fields for 'Total Production (Kg)' and 'Total Sales(RM)'. On the right, a table lists data by state and coverture type.

State	Coverture Milk	Total
SELANGOR	10	1

Figure 141 Entrepreneur (Data Entry)

Afterwards, the above view is shown and Enter the description for each field and click Save once every data has been entered.

2. PRODUCTION & SALES REPORT

The screenshot shows the 'Entrepreneur / Production And Sales' report view. The sidebar menu is identical to Figure 141. The main area features a 'Report Filters' section with 'From Date' and 'To Date' date pickers and a 'State' dropdown. A red box highlights the 'Report Filters' section. Below it is a green 'Generate' button. To the right, there is a document icon and a message: 'Please set the filter first, then press Generate Button'.

Figure 142 Entrepreneur - Production and Sales Report (View)

Click Production and Sales Report module and the above view is shown. To generate the report, key in the specific word in the data entry and click generate.

PROFILE

1. ENTREPRENEUR

Level	Name	Registered Date	Status
1	aina		
1	MOHAMMAD NAZRIN BIN MOHD BADRIN		Tidak Aktif
1	WARDAWATI BINTI MOHD MAS LORO		Tidak Aktif
1	JUWITA BINTI ZULKIFLI		Tidak Aktif
1	ARENAWATI @ LINA BINTI ELIAS		Aktif
1	WAN KAMARINA BINTI HJ KAMARUDIN		Tidak Aktif
	SITI NORHAYATI BINTI		

Figure 143 Profile - Entrepreneur (View)

Click on the Entrepreneur module and by default, the above view is shown.

New Entrepreneur

Level*	Name*	Registered Date	Status
1	Entrepreneur Name	mm/dd/yyyy	Select Status
	Company Name		Company Name
	Company Registration No		Company Registration No
	Contact Address		Contact Address
	Premise Address		Premise Address

Figure 144 Profile - Entrepreneur (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

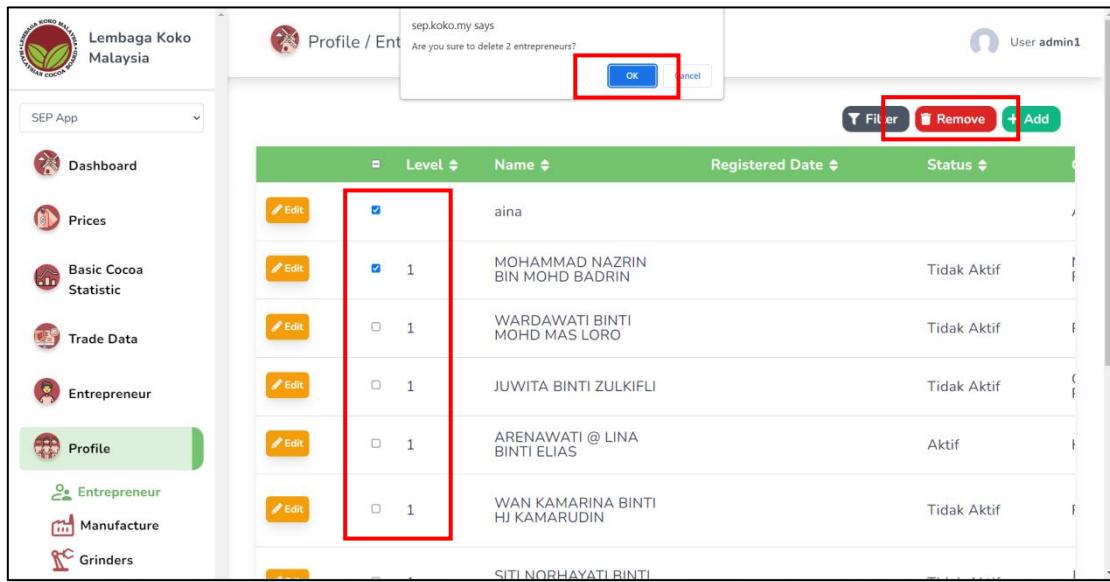


Figure 145 Profile - Entrepreneur (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

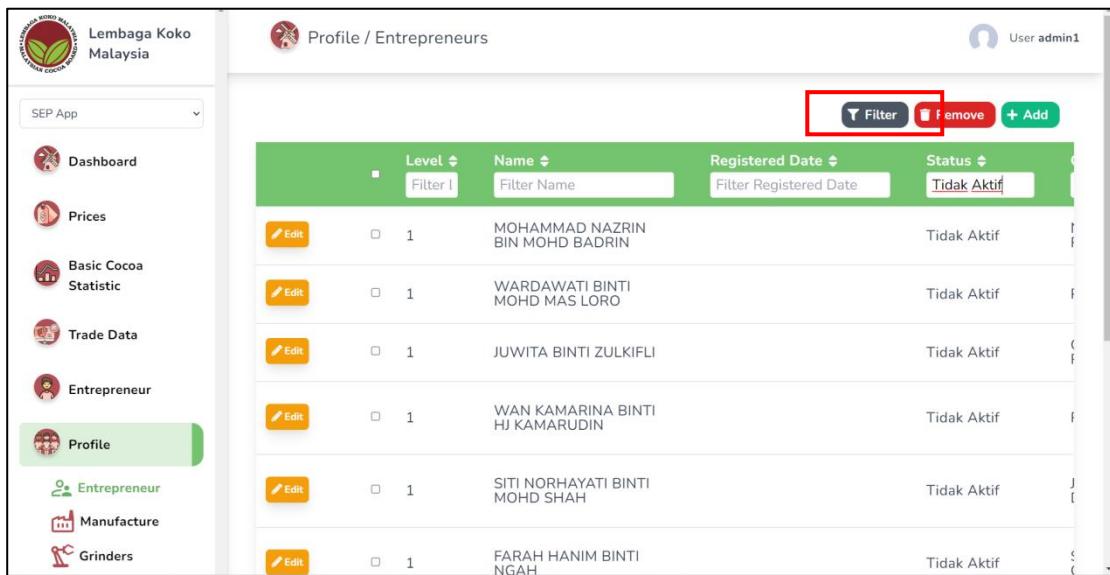


Figure 146 Profile - Entrepreneur (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

The screenshot shows the SEP App interface. On the left, there's a sidebar with various modules: Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile (which is selected and highlighted in green), Manufacture, and Grinders. In the main area, there's a modal titled 'Edit Entrepreneur' with fields for Level (set to 1), Name (MOHAMMAD NAZRIN BIN MOHD BADRIN), Registered Date (mm/dd/yyyy), Status (Tidak Aktif), Company Name (NAZRIN&FAMILY RESOURCES), Company Registration No (SA0316243-P), Contact Address (LOT 1208, TALI AIR 6, JALAN TEPI SAWAH 45400 SEKINCHAN SELANGOR), and Premise Address (Premise Address). At the top right of the modal are 'Filter', 'Remove', and '+ Add' buttons. Below the modal is a table listing entrepreneurs with columns for Registered Date, Status, and other details. A user profile 'User admin1' is visible at the top right.

Figure 147 Profile - Entrepreneur (Edit)

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

2. MANUFACTURE

The screenshot shows the SEP App interface. On the left, there's a sidebar with various modules: Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile (selected and highlighted in green), Manufacture (highlighted with a red box), and Grinders. In the main area, there's a table titled 'Profile / Manufactures' with columns for Year (Year Filter set to 2023), Name, and Address. The table lists four manufacturers: ALFREDO, BERNIQUE, CHECKERS, D'COCOA; AOM FOOD INDUSTRIES; APOLLO; and APOLLO FOOD INDUSTRIES (M) SDN BHD. Each manufacturer has an 'Edit' button next to it. At the top right of the table are 'Filter', 'Remove', and '+ Add' buttons. A user profile 'User admin1' is visible at the top right.

Figure 148 Profile - Manufacture

Click on the Manufacture module and by default, the above view is shown.

	Year	Name	Address
<input checked="" type="checkbox"/>	2023	ALFREDO, BERNIQUE, CHECKERS, D'COCOA	No.162, Jalan Sungai Rasa 27 Sungai Rasa Industrial Area 41300 Klang Selangor, Malaysia
<input checked="" type="checkbox"/>	2023	AOM FOOD INDUSTRIES	7,7A,7B & 7C, Jalan PS 9/1 Prima Selayang 68100 Batu Caves, Selangor Malaysia
<input type="checkbox"/>	2023	APOLLO	No. 70, Jalan Langkasuka Larkin Industri Area 80350 Johor Bharu Malaysia
<input type="checkbox"/>	2023	APOLLO FOOD INDUSTRIES (M) SDN BHD	No. 70, Jalan Langkasuka Larkin Industri Area 80350 Johor Bharu Malaysia

Figure 149 Profile - Manufacture (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

	Year	Name	Address
<input type="checkbox"/>	2023	APOLLO	No. 70, Jalan Langkasuka Larkin Industri Area 80350 Johor Bharu Malaysia
<input type="checkbox"/>	2023	APOLLO FOOD INDUSTRIES (M) SDN BHD	No. 70, Jalan Langkasuka Larkin Industri Area 80350 Johor Bharu Malaysia

Figure 150 Profile - Manufactures (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

The screenshot shows the 'Edit Manufacture' dialog box. The 'Name*' field contains 'ALFREDO, BERNIQUE, CHECKERS, D'COCOA'. The 'Address*' field contains 'No.162, Jalan Sungai Rasa 27 Sungai Rasa Industrial Area 41300 Klang Selangor, Malaysia'. The 'Telephone' field contains '(603) 3343 1877 / 2877'. The 'Website' field contains 'https://franceastle.com'. The 'Email' field contains 'sales@franceastle.com'. The 'State*' field is set to 'Select State'. The 'Country*' field is set to 'Malaysia'. To the right of the dialog is a list of manufactures with their addresses:

Address
No.162, Jalan Sungai Rasa 27 Sungai Rasa Industrial Area 41300 Klang Selangor, Malaysia
7,7A,7B & 7C, Jalan PS 9/1 Prima Selayang 68100 Batu Caves, Selangor Malaysia
No. 70, Jalan Langkasuka Larkin Industri Area 80350 Johor Bharu Malaysia
No. 70, Jalan Langkasuka Larkin Industri Area 80350 Johor Bharu Malaysia

Figure 151 Profile - Manufactures (Edit)

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

3. GRINDERS

Name	Address
BARRY CALLEBAUT MALAYSIA SDN. BHD.	A-7-3 FLORA GREEN CONDOMINIUM, JALAN SUNGAI LONG, BANDAR SUNGAI LONG
BARRY CALLEBAUT MANUFACTURING MALAYSIA SDN BHD	298, JALAN DATO SULAIMAN, TAMAN CENTURY, JOHOR BAHRU, JOHOR
CACAO PARAMOUNT SDN. BHD.	NO 2456 TAMAN LEE, PETI SURAT 33,
DAREO FOOD SDN. BHD.	NO 12, LORONG KOTA PERMAI29., TAMAN SAJUANA PERMAI,
GCB COCOA MALAYSIA SDN. BHD.	13 JALAN WARISAN, TAMAN WARISAN,
GUAN CHONG COCOA MANUFACTURER SDN. BHD.	NO 24, JALAN BAYAN 61, TAMAN MEGAH RIA
JB COCOA SDN. BHD.	NO 32, JALAN SUTERA CHENGAL 6/17, TAMAN SUTERA UTAMA

Figure 152 Profile - Grinders (View)

Click on the Grinder module and by default above view is shown.

The screenshot shows the SEP App interface. On the left is a sidebar with various icons and labels: SEP App, Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile (which is selected and highlighted in green), Entrepreneur, Manufacture, and Grinders. The main area is titled 'Profile / Grinders'. It features a search bar with 'Name' and 'Address' fields, both of which have 'DAREO FOOD' entered. Below the search bar, the result 'DAREO FOOD SDN. BHD.' is listed with its address: 'NO 12, LORONG KOTA PERMAI29., TAMAN SAUJANA PERMAI,'. There are also pagination controls ('To Page: 1', 'Page 1 of 1', 'Showing 10 rows') and a total data count of 12.

Figure 153 Profile - Grinders (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

4. TRADERS

The screenshot shows the SEP App interface. On the left is a sidebar with various icons and labels: Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile (selected and highlighted in green), Entrepreneur, Manufacture, Grinders, Traders (highlighted with a red box), Cocoa Warehouse, and Smallholder. The main area is titled 'Profile / Traders'. It features a table with columns 'Name' and 'Address'. The table lists several traders: 3N BROTHERS ENTERPRISE (KG TOGOP, TAGAROH, PETI SURAT 147), ABD RASHID BIN RUSLI (POS 161 KM 11, JALAN KESANG LAUT, KES,), ABD RAUF BIN ABD RAHIM (KAMPUNG SENTOSA, JALAN UTARA,), ABD WAHID BIN ALUAH (KAMPUNG KUAMUT, ,), ABDUL AZIZ KEDAI BARANG-BARANG RUNCIT (B-24, FELDA SUNGAI KLAH,), ABDULLAH BIN AHMAD (NO.28, KAMPUNG SERKAT LAUT, .), ADASS ENTERPRISE (KG. MOHIMBOYON, PETI SURAT 487,), and AGILE AGROFORESTRY SDN. BHD. (27-01-05 RISTA VILLA APARTMENT, TAMAN PUTRA PERDANA,).

Figure 154 Profile - Traders

Click on the Traders module and by default, the above view is shown.

Name	Address
ABDULLAH BIN AHMAD	NO.28, KAMPUNG SERKAT LAUT.,
MOHD NASIR BIN ABDULLAH	NO 28, KG SERKAT LAUT,
NASARUDDIN NGU ABDULLAH	JALAN KIN SAN.,
NASARUDDIN NGU ABDULLAH	JALAN KIN SAN.,
NASARUDDIN NGU ABDULLAH	JALAN KIN SAN.,

Figure 155 Profile - Trader (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

5. COCOA WAREHOUSE

Name	Address
COCOAHOUSE INDUSTRIES SDN. BHD.	LOT 6, JLN. SULTAN HISHAMUDDIN 1/2 KAWASAN PERUSAHAAN SELAT KLAN 42000 PELABUHAN KLANG, MALAYSIA
Barry Callebaut	Lot 2, Lebuh Sultan Mohamed 1, Bandar Suleiman 42000 Port Klang, Selangor D.
Delfi Cocoa (Malaysia) Sdn. Bhd.	PLO 700, Jalan keluli Kawasan Perindustrian Gudang
Guan Chong Manufacturer Sdn. Bhd.	Plo 273, Jalan Timah 2 Pasir Gudang
Jb Cocoa Sdn Bhd	Lot CP1, Jalan Tanjung A/6 Pelabuhan Teluk Pelepas Gelang Patah
K.L. Kriss Food Industries Sdn Bhd	Lot 1-23 Jalan Perindustrian Mahkota 2 1 Perindustrian Mahkota Beranang
Koko Burdi Sdn Bhd	PLO 207 Jalan Tembaga Satu Pasir Gudang

Figure 156 Profile - Cocoa Warehouse

Click on the Cocoa Warehouse module and by default above view is shown.

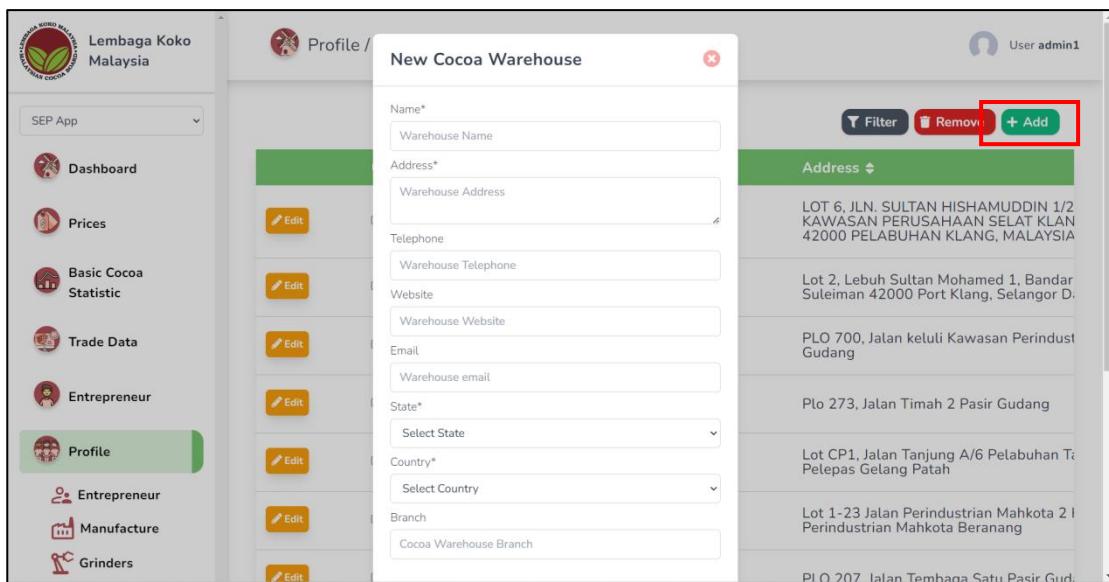


Figure 157 Profile - Cocoa Warehouse (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

Figure 158 Profile - Cocoa Warehouse (Remove)

possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

Lembaga Koko Malaysia

SEP App

Profile / Cocoa Warehouse

User admin1

Name Address

Edit Barry Callebaut Lot 2, Lebuh Sultan Mohamed 1, Bandar Suleiman 42000 Port Klang, Selangor D.

To Page: 1 Page 1 of 1 Showing 10 rows

Total Data: 12

Filter **Remove** **+ Add**

Dashboard
Prices
Basic Cocoa Statistic
Trade Data
Entrepreneur
Profile
Entrepreneur
Manufacture
Grinders

Figure 159 Profile - Cocoa Warehouse (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

Lembaga Koko Malaysia

SEP App

Profile / Cocoa Warehouse

User admin1

Edit COCOAHOUSE INDUSTRIES SDN. BHD.

Name*
COCOAHOUSE INDUSTRIES SDN. BHD.

Address*
LOT 6,JLN. SULTAN HISHAMUDDIN 1/20 KAWASAN PERUSAHAAN SELAT KLANG UTARA

Telephone
331763010

Website
Warehouse Website

Email
chi@tsh.com.my

State*
Select State

Country*
MALAYSIA

Branch
Cocoa Warehouse Branch

Filter **Remove** **+ Add**

Address

LOT 6, JLN. SULTAN HISHAMUDDIN 1/20 KAWASAN PERUSAHAAN SELAT KLAN 42000 PELABUHAN KLANG, MALAYSIA

Lot 2, Lebuh Sultan Mohamed 1, Bandar Suleiman 42000 Port Klang, Selangor D.

PLO 700, Jalan keluli Kawasan Perindust Gudang

Plo 273, Jalan Timah 2 Pasir Gudang

Lot CP1, Jalan Tanjung A/6 Pelabuhan T Pelepas Gelang Patah

Lot 1-23 Jalan Perindustrian Mahkota 2 I Perindustrian Mahkota Beranang

PLO 207, Jalan Tembaga Satu Pasir Gud

Edit

Entrepreneur
Manufacture
Grinders

Figure 160 Profile - Cocoa Warehouse (Edit)

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

6. SMALLHOLDER

Name	NRIC	ORIC
SHAARI KOLOP	430405-01-5471	
ANDREAS BIN USAN	870212-49-5607	
SAUR AK NAGKOI	500813-13-5182	
YONG TET KHIONG	690427-12-5031	
NELSON BIN GORILO	670103-12-6099	H0607507
LABIAH BINTI GUNDOLOT	541205-12-5088	
LINUS BIN FREDERIK @ SINGKI	740218-12-5011	

Figure 161 Profile – Smallholder (View)

Click on the Smallholder module and by default, above view is shown.

Name	NRIC	ORIC
Filter Name 870212-49-5607		Filter ORIC
ANDREAS BIN USAN	870212-49-5607	

Figure 162 Profile - Smallholder (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

MASTER DATA

1. LOCATION

The screenshot shows the 'Master Data / Location' page. On the left is a sidebar with various modules: SEP App, Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile, Master Data (which is selected and highlighted in green), and Location. The main area has tabs for Country Region, Country, Citizenship, Local Region, and Local State. The 'Country Region' tab is active. A table lists six entries under 'Code' (AC, AF, AO, EE, EU, ME) and 'Description' (Asean, Africa, Asia and Oceania, Eastern Europe, European Union, Middle East). Each entry has an 'Edit' button. At the top right are 'Filter', 'Remove', and '+ Add' buttons. The top right corner shows 'User admin1'. The entire interface is set against a light gray background.

Code	Description
AC	Asean
AF	Africa
AO	Asia and Oceania
EE	Eastern Europe
EU	European Union
ME	Middle East

Figure 163 Master Data – Location (View)

Click on the Location module under Master Data and by default, Country Region view is shown. To view other modules, click the above button.

1.1 Country Region

This screenshot is identical to Figure 163, showing the 'Master Data / Location' page with the 'Country Region' tab selected. The sidebar, table structure, and overall layout are the same, displaying the list of country regions: AC (Asean), AF (Africa), AO (Asia and Oceania), EE (Eastern Europe), EU (European Union), and ME (Middle East). The 'Edit' button is present for each row. The 'Country Region' tab is highlighted with a red box.

Code	Description
AC	Asean
AF	Africa
AO	Asia and Oceania
EE	Eastern Europe
EU	European Union
ME	Middle East

Figure 164 Location - Country Region (View)

Click on the Location module and Country Region view is shown.

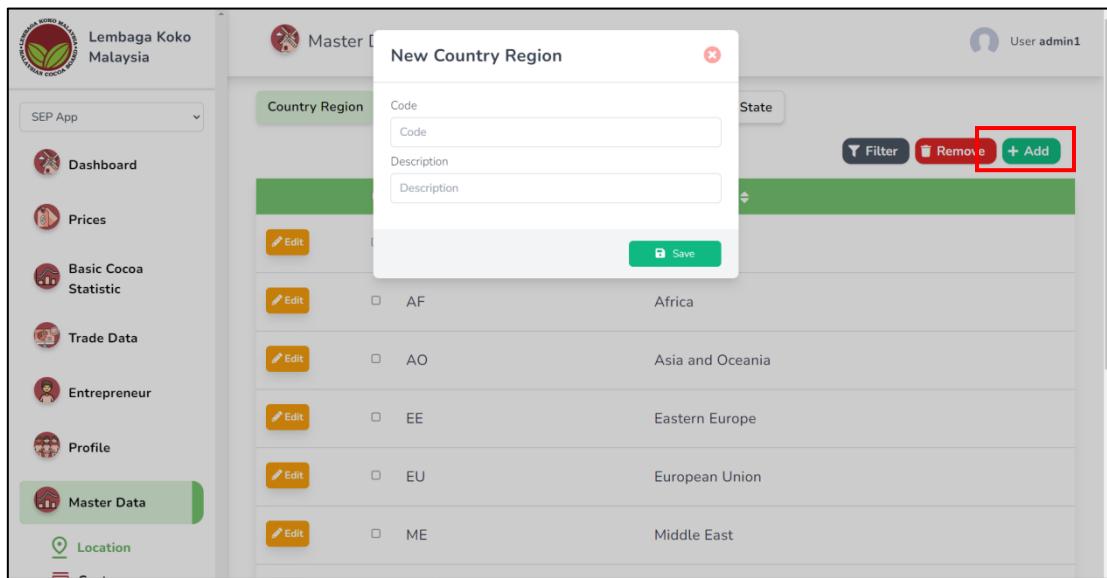


Figure 165 Location - Country Region (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

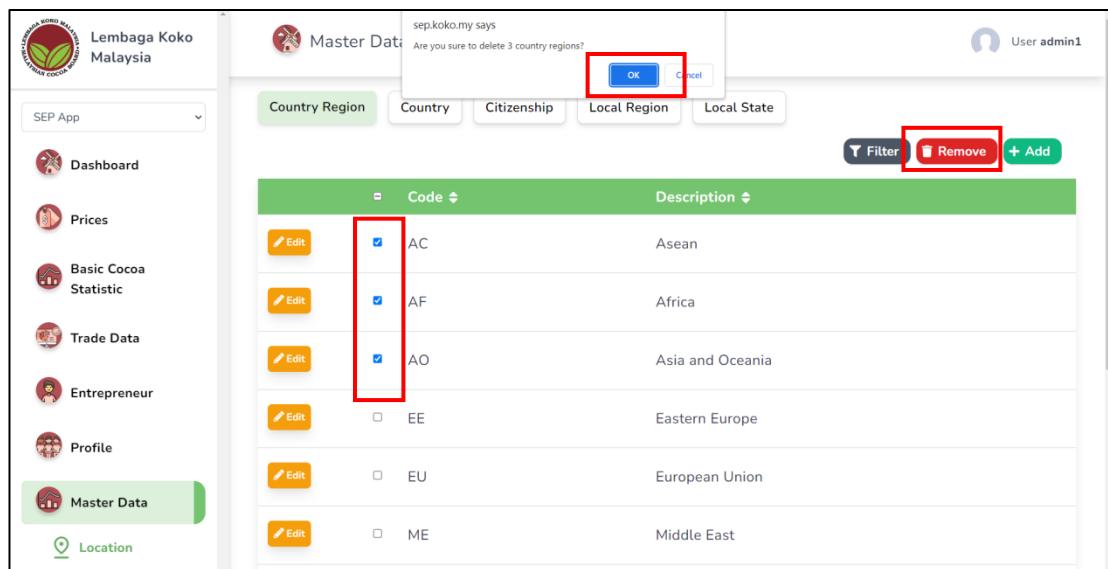


Figure 166 Location - Country Region (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

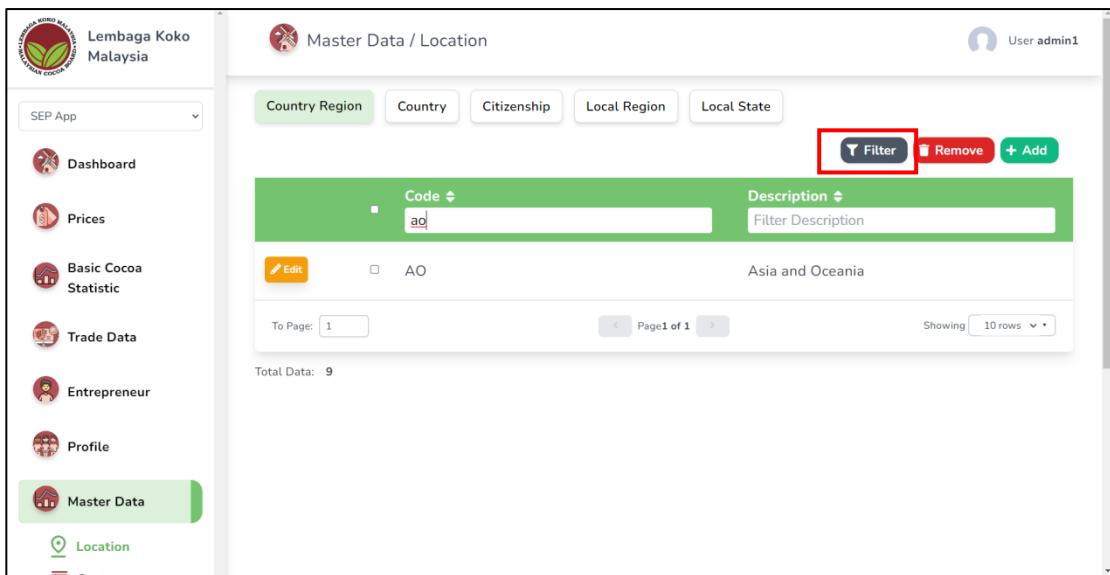


Figure 167 Location - Country Region (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

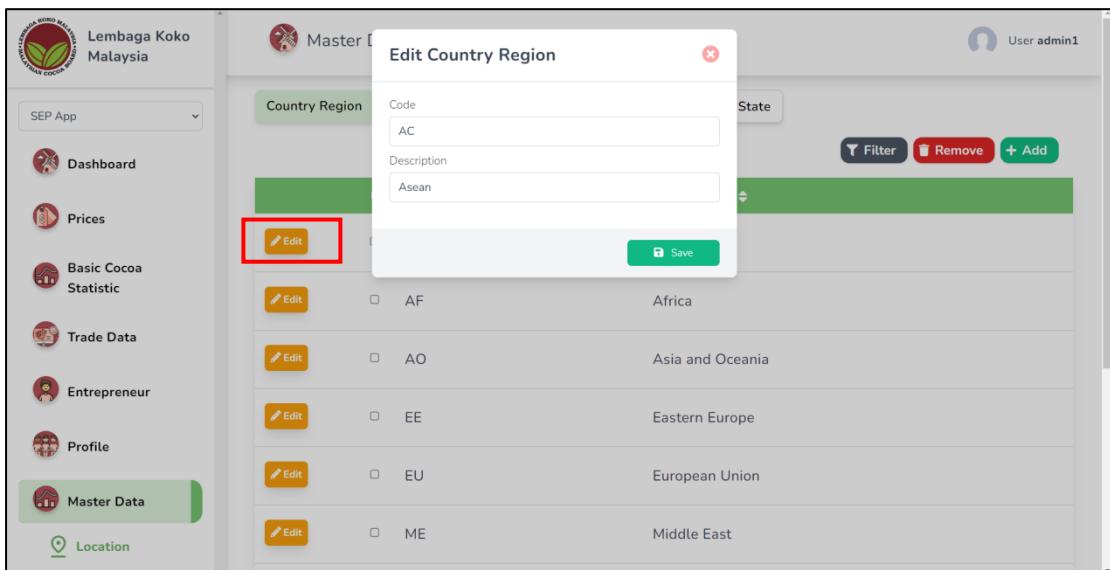


Figure 168 Country Region (Edit)

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

1.2 COUNTRY

The screenshot shows the SEP App interface. On the left is a sidebar with icons for Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile, Master Data (which is selected), and Location. The main area is titled "Master Data / Location". At the top, there are tabs: "Country Region", "Country" (which is highlighted with a red box), "Citizenship", "Local Region", and "Local State". Below the tabs is a toolbar with "Filter", "Remove", and "+ Add" buttons. A table lists country data with columns: Country Name, Ref Country Name, A2 Code, A3 Code, Number, and Country Region. The data includes: AALAND ISLANDS (AX, ALA, Other Countries), AFGHANISTAN (AF, AFG, Middle East), ALBANIA (AL, ALB, Eastern Europe), ALGERIA (DZ, DZA, Middle East), AMERICAN SAMOA (AS, ASM, Asia and Oceania), and ANDORRA (AD, AND, Western Europe). Each row has an "Edit" button.

Figure 169 Location - Country (View)

Click Country button and the above view is shown.

The screenshot shows the SEP App interface with the "Master Data / Location" page. The "Country" tab is selected. A modal dialog box titled "New Country" is open. It contains fields for "Country Name" (with a placeholder "Country Name"), "Ref Country Name" (with a placeholder "Ref Country Name"), "A2 Code" (with a placeholder "A2 Code"), "A3 Code" (with a placeholder "A3 Code"), "Number" (with a placeholder "0"), and "Country Region" (with a dropdown menu labeled "Select Country"). At the bottom right of the dialog is a "Save" button. In the background, the main table from Figure 169 is visible, and the "+ Add" button in the toolbar is highlighted with a red box.

Figure 170 Location - Country (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

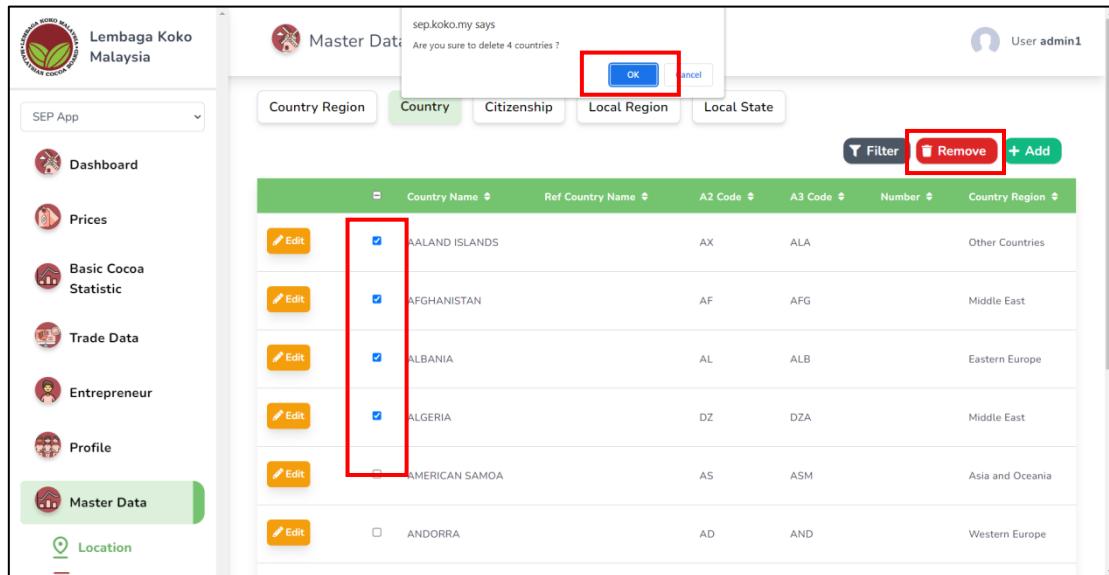


Figure 171 Location - Country (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible.

Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

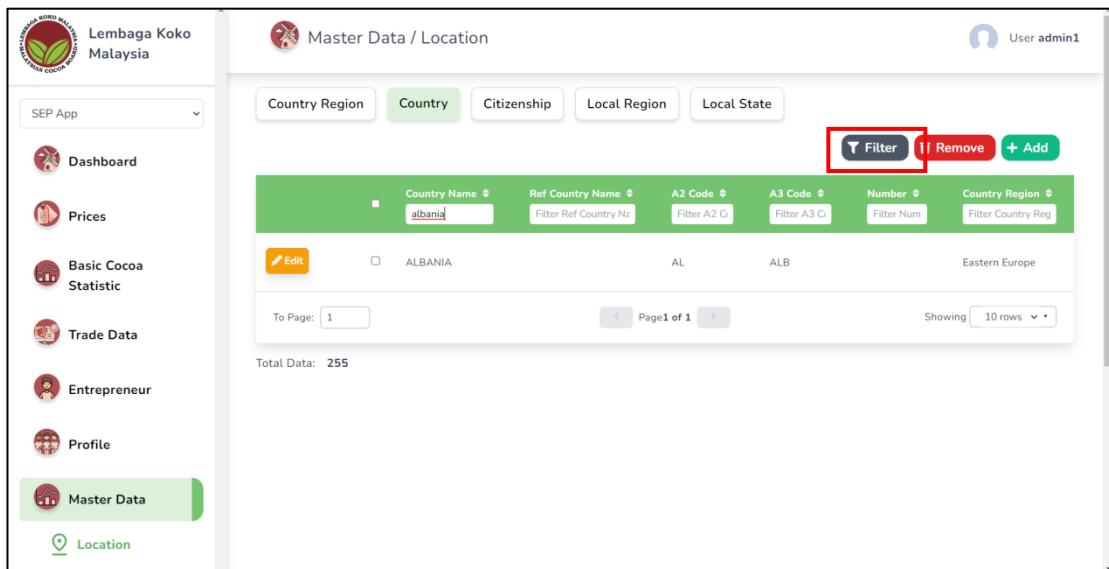


Figure 172 Location - Country (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

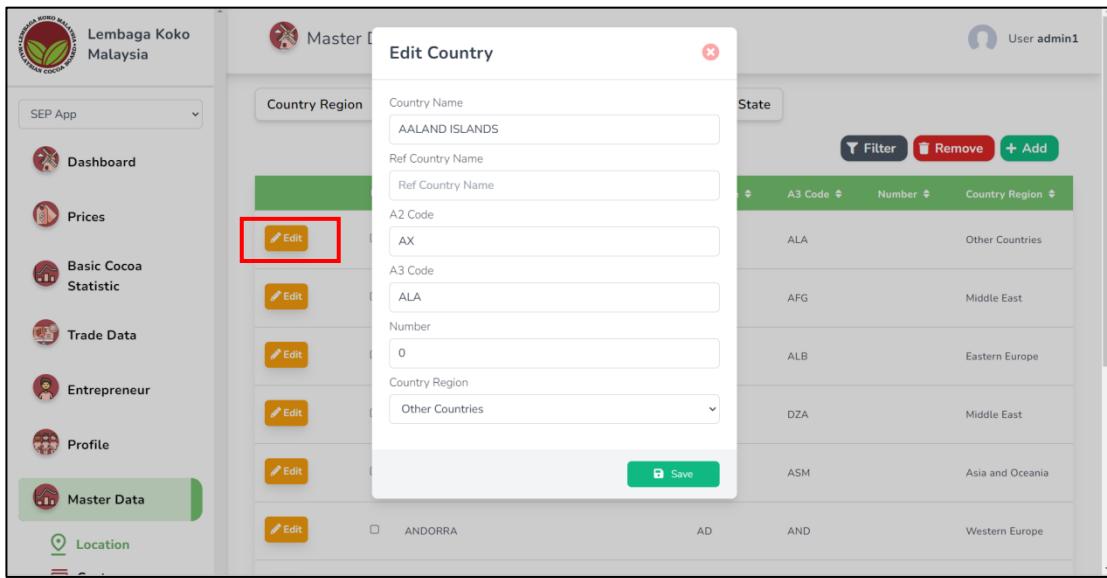


Figure 173 Location - Country (Edit)

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

1.3 CITIZENSHIP

The screenshot shows the Lembaga Koko Malaysia application interface. On the left is a sidebar with various modules: SEP App, Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile, Master Data (which is selected and highlighted in green), and Location. The main content area is titled "Master Data / Location" and shows a sub-module "Citizenship". A red box highlights the "Citizenship" tab. Below it is a table listing citizenship codes and descriptions:

Code	Description
01	Indonesia
02	Philippine
03	Bangladesh
04	Others
05	Local

At the bottom of the table are buttons for "To Page: 1", "Page 1 of 1", and "Showing 10 rows".

Figure 174 Location - Citizenship (View)

Click on the Citizenship module and by default, Citizenship view is shown. To view other modules, click the above button.

This screenshot shows the same application interface as Figure 174, but with a modal dialog box open over the table. The dialog is titled "New Citizenship" and contains fields for "Code" and "Description", both currently empty. At the bottom right of the dialog is a green "Save" button. A red box highlights the "+ Add" button at the top right of the main table area.

Figure 175 Location - Citizenship (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

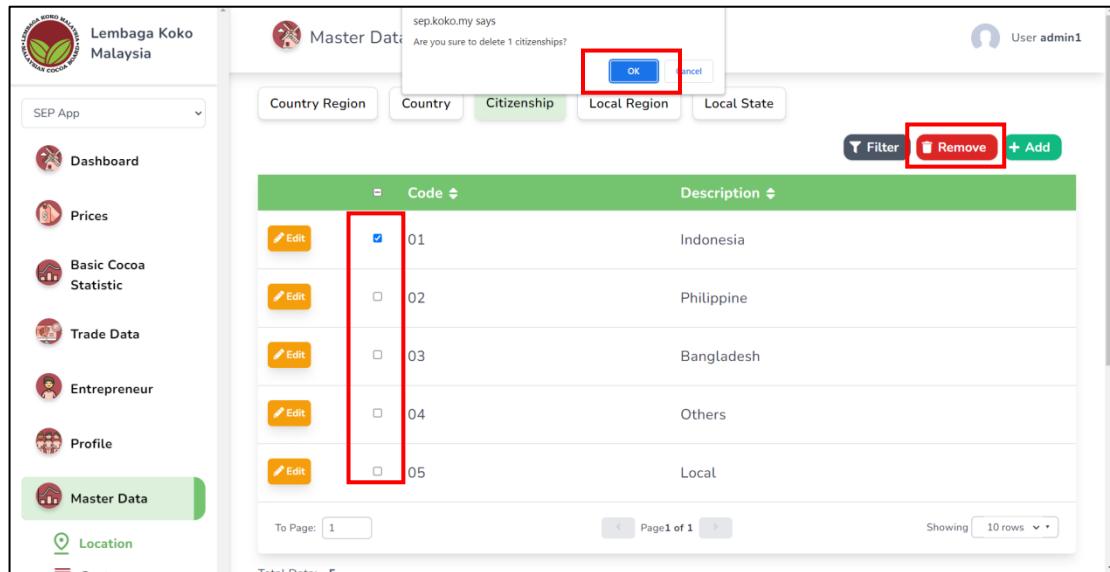


Figure 176 Location - Citizenship (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

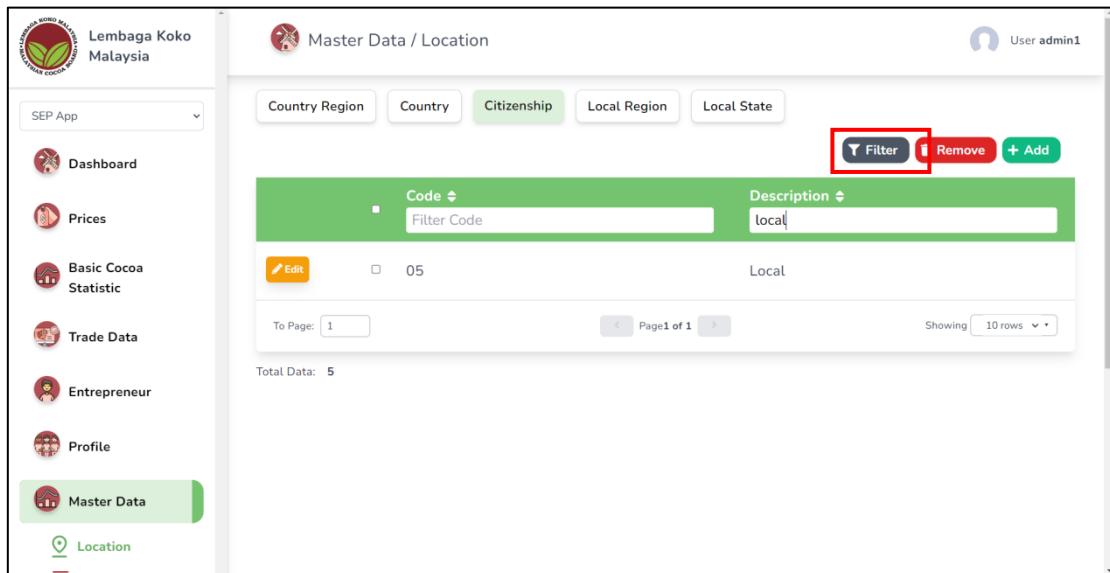


Figure 177 Location - Citizenship (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

The screenshot shows the Lembaga Koko Malaysia SEP App interface. On the left is a sidebar with various icons and links: SEP App, Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile, Master Data (selected), and Location. The main area is titled 'Master Data' and shows a table of citizenship records. A modal window titled 'Edit Citizenship' is open over the table. The modal has fields for 'Code' (01) and 'Description' (Indonesia). It includes an 'Edit' button (highlighted with a red box), a 'Save' button, and a close button. The table below the modal contains five rows of data:

	Code	Description
<input type="checkbox"/>	02	Philippine
<input type="checkbox"/>	03	Bangladesh
<input type="checkbox"/>	04	Others
<input type="checkbox"/>	05	Local

At the bottom of the table are navigation buttons for 'To Page: 1', 'Page 1 of 1', and 'Showing 10 rows'.

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

1.4 LOCAL REGION

The screenshot shows the SEP App interface for 'Master Data / Location'. On the left is a sidebar with icons for Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile, Master Data (selected), and Location. The main area has tabs for Country Region, Country, Citizenship, Local Region (which is highlighted with a red box), and Local State. Below the tabs is a table with columns for Code and Description. The table contains four rows: 01 (Semenanjung Malaysia), 02 (Sabah), 03 (Sarawak), and 04 (Malaysia). There are edit, remove, and add buttons at the top right of the table. The bottom of the screen shows pagination and a total data count of 4.

Figure 178 Location - Local Region (View)

Click on the Local Region button and the above view is shown.

The screenshot shows the SEP App interface for 'Master Data / Location'. The sidebar and tabs are identical to Figure 178. A modal window titled 'New LocalRegion' is open over the table. It has fields for 'Code' and 'Description'. At the bottom of the modal are 'Save' and '+ Add' buttons. The main table below the modal shows the same four rows as Figure 178. The '+ Add' button in the modal is highlighted with a red box.

Figure 179 Location - Local Region (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

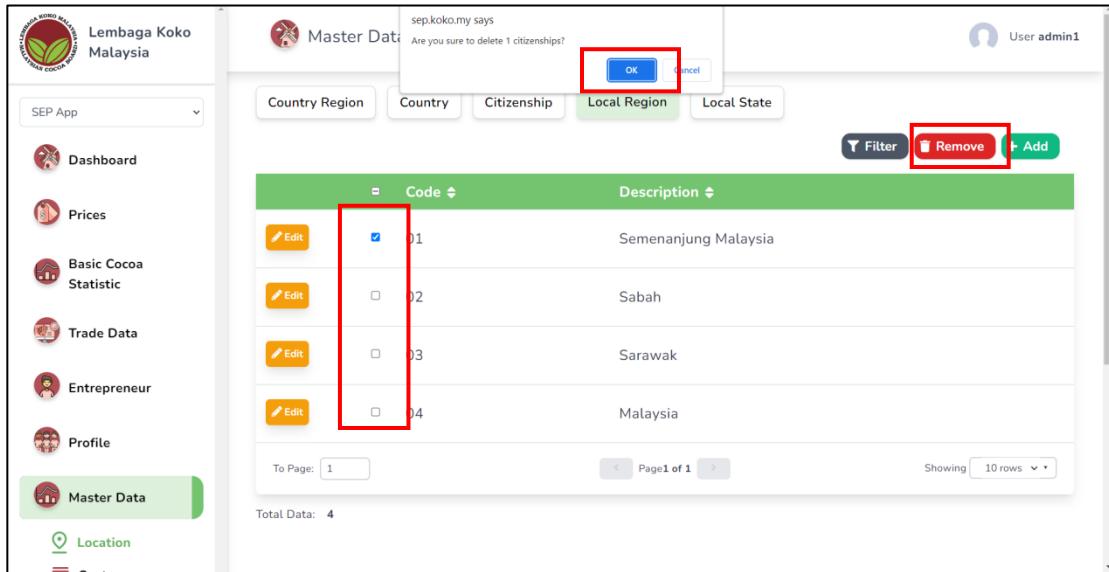


Figure 180 Location - Local Region (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

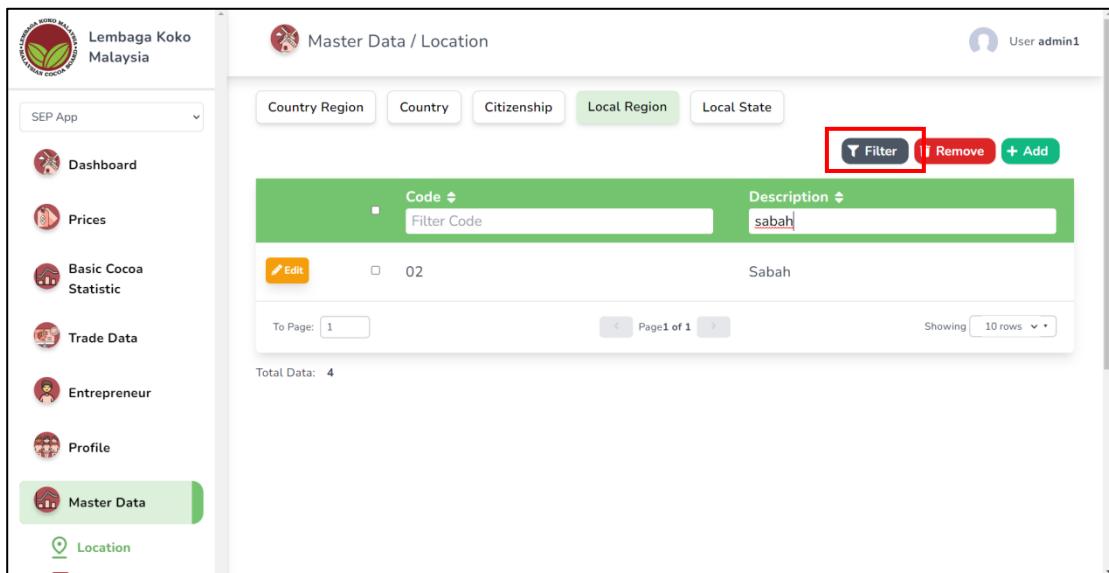


Figure 181 Location - Local Region (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

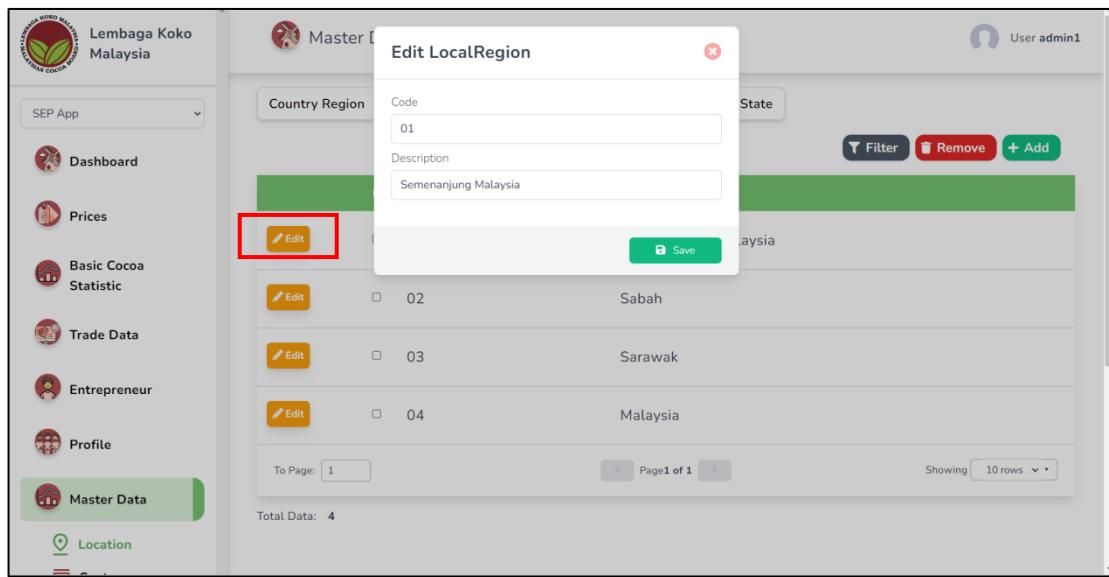


Figure 182 Location - Local Region (Edit)

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

1.5 LOCAL STATE

The screenshot shows the 'Master Data / Location' page. On the left is a sidebar with icons for various sections: SEP App, Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile, Master Data (which is selected and highlighted in green), and Location. The main area has tabs at the top: Country Region, Country, Citizenship, Local Region, and Local State. The 'Local State' tab is highlighted with a red box. Below the tabs is a table with columns: Code, Local State Description, and Local Region. The table contains six rows of data:

	Code	Local State Description	Local Region
Edit	99	Unknown	Other
Edit	98	Outside Malaysia	Other
Edit	93	NA	Sarawak
Edit	92	NA	Sabah
Edit	91	NA	Semenanjung Malaysia
Edit	16	Federal Territory of Putrajaya	Other

At the bottom right of the table are three buttons: Filter, Remove, and Add. The 'Add' button is highlighted with a red box.

Figure 183 Location - Local State (View)

Click on the Local State button and the above view is shown.

The screenshot shows the 'Master Data / Location' page with the 'New Local State' modal dialog open. The modal has fields for Code, Local State Description, and Local Region. The 'Local Region' field is a dropdown menu labeled 'Select Region'. At the bottom of the modal is a 'Save' button. The background shows the same table from Figure 183, with the 'Add' button also highlighted with a red box.

Figure 184 Location - Local State (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

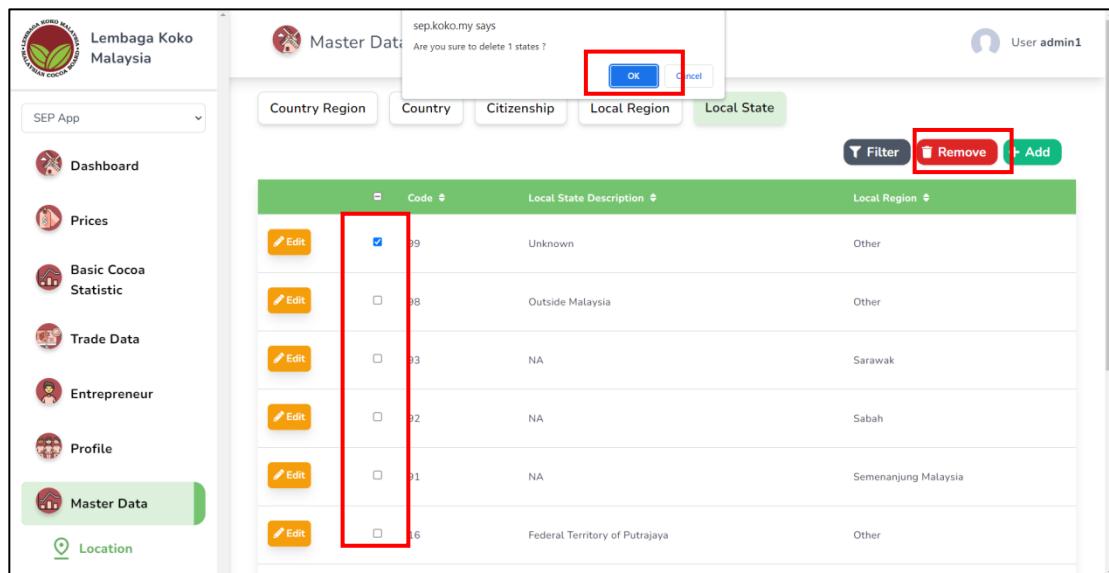


Figure 185 Location - Local State (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

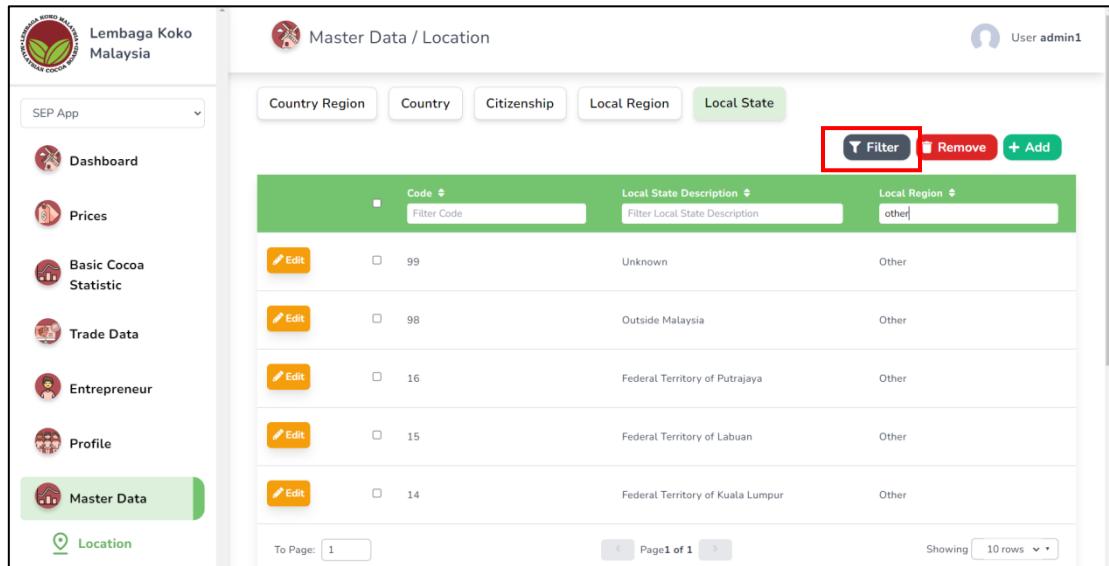


Figure 186 Location - Local State (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

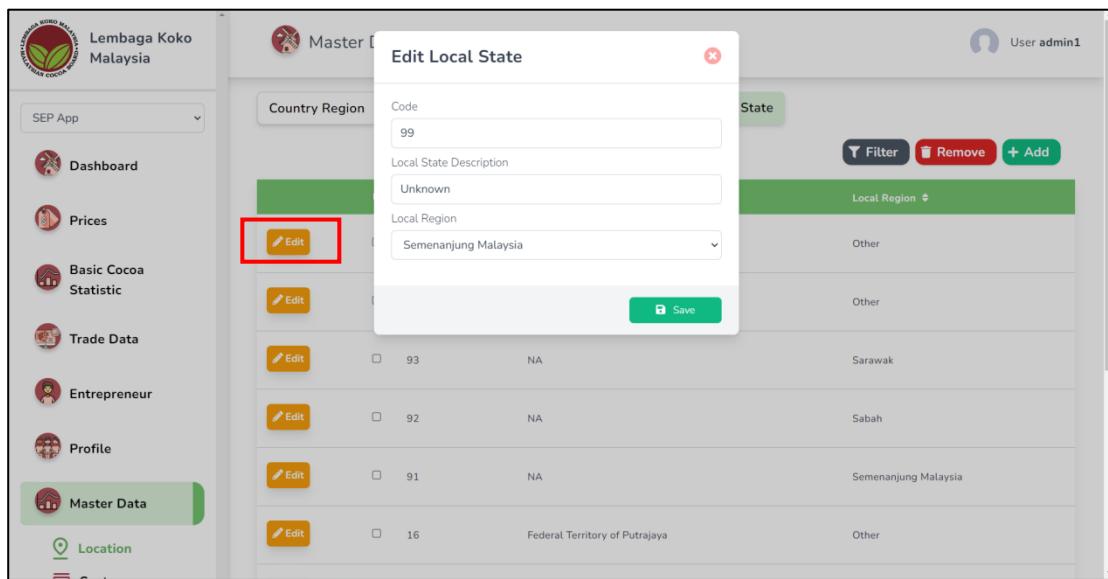


Figure 187 Location - Local State (Edit)

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

2. CENTRE

	Code	Description	Seq	Region
Edit	0101	Batu Pahat	9	Semenanjung Malaysia
Edit	0102	Muar	10	Semenanjung Malaysia
Edit	0103	Segamat	14	Semenanjung Malaysia
Edit	0601	Jerantut	11	Semenanjung Malaysia
Edit	0602	Raub	12	Semenanjung Malaysia
Edit	0701	Bagan Datoh	7	Semenanjung Malaysia
Edit	0702	Ayer Tawar	8	Semenanjung Malaysia

Figure 188 Centre (View)

Click on the Centre module and by default, Centre view is shown. To view other modules, click the above button.

	Code	Description	Seq	Region
Edit	0602	Raub	12	Semenanjung Malaysia
Edit	0701	Bagan Datoh	7	Semenanjung Malaysia
Edit	0702	Ayer Tawar	8	Semenanjung Malaysia

Figure 189 Centre (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

Master Data

sep.koko.my says
Are you sure to delete 2 centres?

User admin1

Filter Remove + Add

	Code	Description	Seq	Region
<input checked="" type="checkbox"/>	0101	Batu Pahat	9	Semenanjung Malaysia
<input checked="" type="checkbox"/>	0102	Muar	10	Semenanjung Malaysia
<input type="checkbox"/>	0103	Segamat	14	Semenanjung Malaysia
<input type="checkbox"/>	0601	Jerantut	11	Semenanjung Malaysia
<input type="checkbox"/>	0602	Raub	12	Semenanjung Malaysia
<input type="checkbox"/>	0701	Bagan Datoh	7	Semenanjung Malaysia
<input type="checkbox"/>	0702	Ayer Tawar	8	Semenanjung Malaysia

Figure 190 Centre (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

Master Data / Centre

User admin1

Filter Remove + Add

Code: Filter Code: raub Description: Filter Seq: Filter Region: Filter Region:

	Code	Description	Seq	Region
<input type="checkbox"/>	0602	Raub	12	Semenanjung Malaysia

To Page: 1 Page 1 of 1 Showing 10 rows

Total Data: 20

Figure 191 Centre (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

The screenshot shows a web-based application interface for managing cocoa data. On the left, there's a sidebar with various menu items: SEP App, Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile, Master Data (which is selected and highlighted in green), and Location. The main content area has a header 'Master Data' with a search bar and a user profile 'User admin1'. Below this is a table titled 'Centre' with columns: Code*, Description*, Seq, and Region*. A modal window titled 'Edit Centre' is open, overlaid on the table. This modal contains fields for 'Code*' (0101), 'Description*' (Batu Pahat), 'Seq' (9), and 'Region*' (Semenanjung Malaysia). At the bottom of the modal is a 'Save' button. The table below the modal lists several entries:

				Region
	0602	Raub	12	Semenanjung Malaysia
	0701	Bagan Datoh	7	Semenanjung Malaysia
	0702	Ayer Tawar	8	Semenanjung Malaysia

Figure 192 Centre (Edit)

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

3. BUYER

	Code	Name	Centre
Edit	001	LIM LIAN HUA	Kuching
Edit	002	NGUONG AIK CO	Kuching
Edit	003	VAN FOOK CO	Kuching
Edit	004	VOON MIN SENG	Kuching
Edit	005	SENG KEE PRODUCE	Kuching
Edit	001	TAN SOON HONG ENT.	Bagan Datoh
Edit	002	LEAN HENG COMPANY	Bagan Datoh

Figure 193 Master Data - Buyer (View)

Click on the Buyer module and by default, Buyer view is shown. To view other modules, click the above button.

	Code	Name	Centre
Edit	004	VOON MIN SENG	Kuching
Edit	005	SENG KEE PRODUCE	Kuching
Edit	001	TAN SOON HONG ENT.	Bagan Datoh
Edit	002	LEAN HENG COMPANY	Bagan Datoh

Figure 194 Buyer (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

The screenshot shows the SEP App interface. On the left is a sidebar with icons for Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile, and Master Data (which is highlighted). Below these are Location and Log Out. The main area is titled 'Master Data / Buyer'. It features a table with columns: Code, Name, and Centre. A green header bar above the table includes 'Code' and 'Name' with filter dropdowns, and a 'Centre' dropdown set to 'kuching'. There are also 'Filter' and '+ Add' buttons. The table lists several buyers, all from Kuching:

	Code	Name	Centre
	001	LIM LIAN HUA	Kuching
	002	NGUONG AIK CO	Kuching
	003	VAN FOOK CO	Kuching
	004	VOON MIN SENG	Kuching
	005	SENG KEE PRODUCE	Kuching
	000	PENYELARASAN	Kuching

Figure 195 Buyer (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

The screenshot shows the SEP App interface. The sidebar and main area are similar to Figure 195, but the 'Edit' button for buyer '001' has been clicked, opening an 'Edit Buyer' dialog box. This dialog contains fields for Code (001), Name (LIM LIAN HUA), and Centre (Kuching). A 'Save' button is at the bottom right. The background table shows other buyers from Kuching and one from Bagan Datoh:

	Code	Name	Centre
	001	LIM LIAN HUA	Kuching
	002	NGUONG AIK CO	Kuching
	003	VAN FOOK CO	Kuching
	004	VOON MIN SENG	Kuching
	005	SENG KEE PRODUCE	Kuching
	001	TAN SOON HONG ENT.	Bagan Datoh
	002	LEAN HENG COMPANY	Bagan Datoh

Figure 196 Buyer (Edit)

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

4. PRODUCT

4.1 LOCAL PRODUCT

The screenshot shows the 'Master Data / Product' section with the 'Local Product' tab selected. A red box highlights the 'Local Product' tab. Below it is a table with the following data:

	SITC Code	ASITC Code	GSITC Code	Product Description	Use For Report
Edit	1801.00.000	1801000000	CB	Cocoa beans	No
Edit	1802.00.000	1802000000	CH	Cocoa shells	No
Edit	1803.10.000	1803100000	CS	Cocoa paste	No
Edit	1803.20.000	1803200000	CD	Cocoa paste	No
Edit	1804.00.000	1804000000	CT	Cocoa butter	No
Edit	1805.00.000	1805000000	CP	Cocoa powder Unsweetened	No

Figure 197 Local Product (View)

Click on the Local Product module and by default, Local Product view is shown. To view other modules, click the above button.

The screenshot shows the 'Master Data / Product' section with the 'Local Product' tab selected. A red box highlights the '+ Add' button. A modal dialog titled 'New Local Product' is open, containing fields for SITC Code, ASITC Code, GSITC Code, Product Description, Sequence, and a checkbox for 'Use For Report'. The background table shows the same data as Figure 197.

The modal dialog fields are:

- SITC Code: 1804.00.000
- ASITC Code: 1804000000
- GSITC Code: CT
- Product Description: Cocoa butter
- Sequence: (empty)
- Use For Report: (unchecked)

Figure 198 Local Product (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

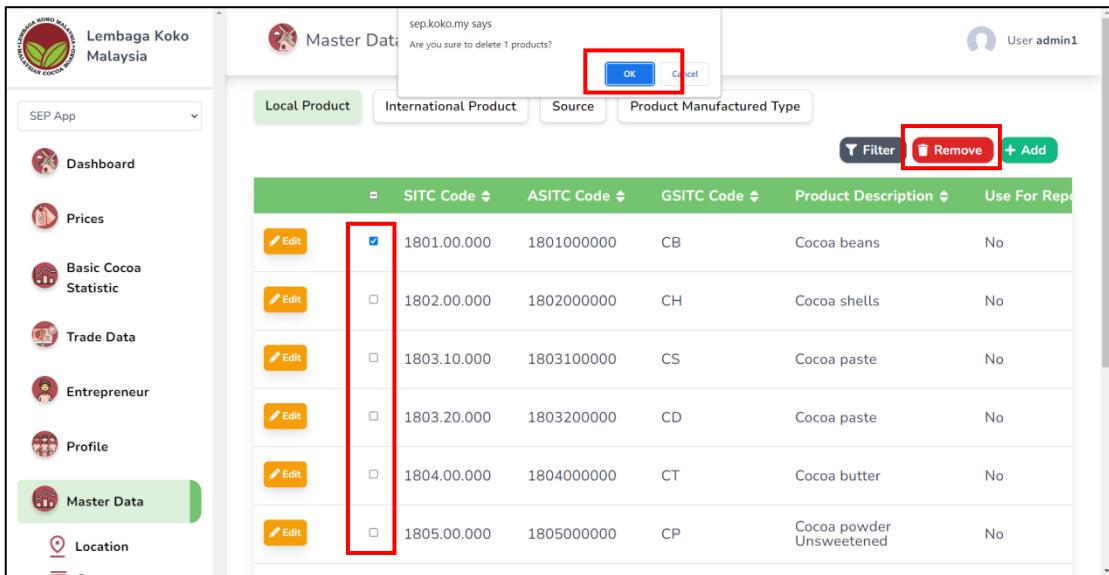


Figure 199 Local Product (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

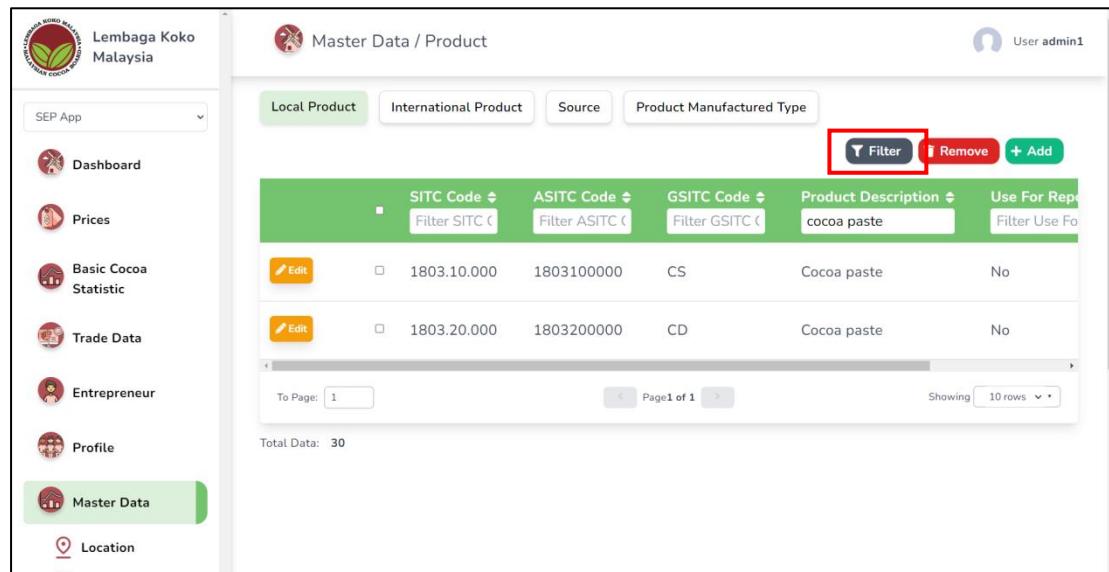


Figure 200 Local Product (Filter)

CLICK Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

The screenshot shows the Lembaga Koko Malaysia SEP App interface. On the left is a sidebar with various menu items: SEP App, Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile, Master Data (which is selected and highlighted in green), and Location. The main area has a title 'Master Data' and a sub-section 'Local Product'. A modal window titled 'Edit Local Product' is open, showing fields for SITC Code (180100.000), ASITC Code (1801000000), GSITC Code (CB), Product Description (Cocoa beans), Sequence, and a checkbox for 'Use For Report'. Below the modal is a table of local products:

Product Description	Use For Report
Cocoa beans	No
Cocoa shells	No
Cocoa paste	No
Cocoa paste	No
Cocoa butter	No
Cocoa powder Unsweetened	No

A red box highlights the 'Edit' button in the 'Local Product' section of the sidebar.

Figure 201 Local Product (Edit)

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

4.2 INTERNATIONAL PRODUCT

The screenshot shows the 'Master Data / Product' page. On the left is a sidebar with icons for Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile, Master Data (which is highlighted in green), and Location. The main area has tabs for Local Product and International Product, with 'International Product' selected and highlighted with a red box. Below the tabs is a table with columns: Code, GSITC Code, Product Description, and Sequence. The table contains six rows of data:

	Code	GSITC Code	Product Description	Sequence
Edit	1	CB	Cocoa Beans	1
Edit	10	CZ	Cocoa Powder	7
Edit	2	CH	Cocoa Shells	9
Edit	3	CS	Cocoa Paste (Not Defatted)	3
Edit	4	CD	Cocoa Paste (Defatted)	2
Edit	5	CT	Cocoa Butter	4

Figure 202 International Product (View)

Click on the International Product button and the above view is shown.

The screenshot shows the 'Master Data / Product' page with the 'International Product' tab selected. A modal dialog titled 'New Global Product' is open in the center. The dialog has fields for Code, GSITC Code, Product Description, and Sequence. At the bottom right of the dialog is a 'Save' button. In the background, the table from Figure 202 is visible, with the 'Add' button in the top right corner of the table header also highlighted with a red box.

Figure 203 International Product (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

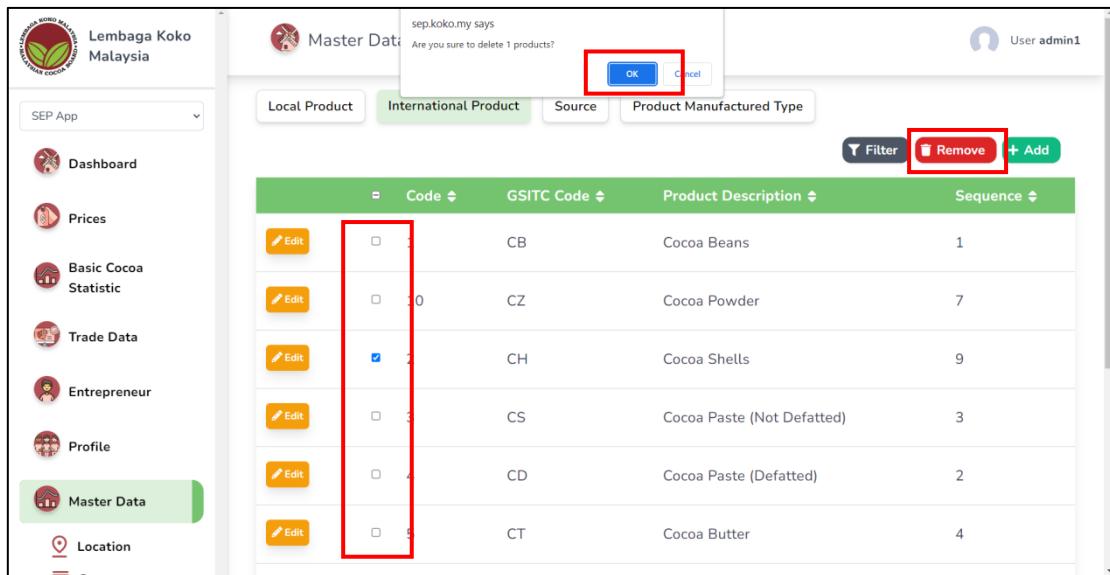


Figure 204 International Product (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

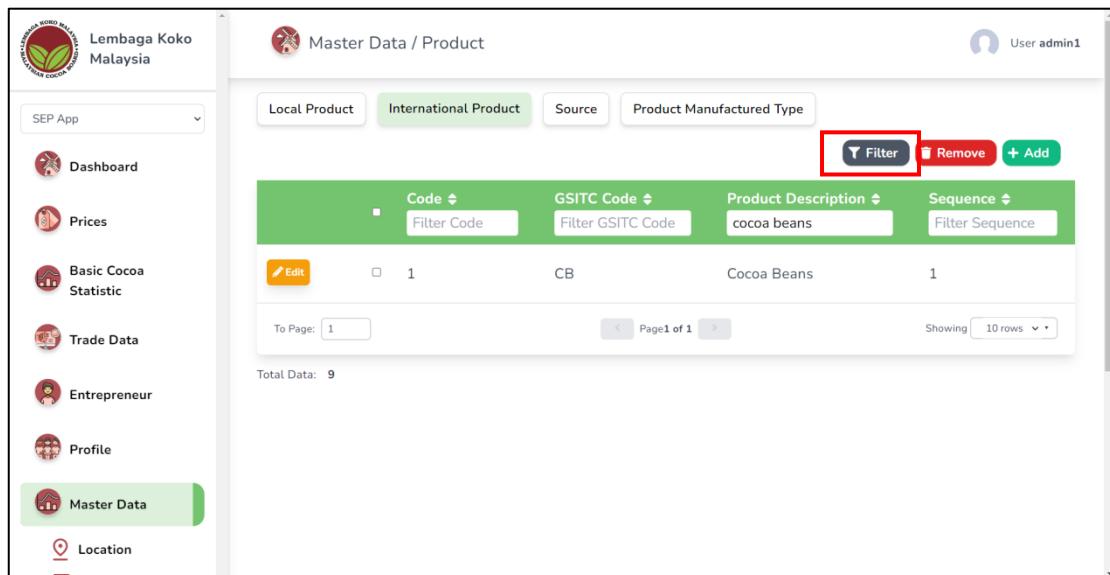


Figure 205 International Product (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

The screenshot shows the SEP App interface for managing global products. On the left, there's a sidebar with various menu items like Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile, Master Data (which is selected and highlighted in green), and Location. The main area is titled 'Master Data' and shows a list of 'Local Product' entries. One entry, 'Cocoa Beans', has its 'Edit' button highlighted with a red box. A modal window titled 'Edit Global Product' is open over the list, containing fields for Code (1), GSITC Code (CB), Product Description (Cocoa Beans), and Sequence (1). At the bottom of the modal is a 'Save' button. To the right of the modal, there's a table with columns for Description, Sequence, and Type, showing rows for Cocoa Paste (Not Defatted) and Cocoa Paste (Defatted).

Description	Sequence	Type
Cocoa Paste (Not Defatted)	3	CS
Cocoa Paste (Defatted)	4	CD
Cocoa Butter	5	CT

Figure 206 International Product (Edit)

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

4.3 SOURCE

The screenshot shows the SEP App interface for Master Data / Product. On the left is a sidebar with icons for Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile, and Master Data (which is selected and highlighted in green). Below these are Location and Help buttons. The main area has tabs for Local Product, International Product, Source (which is selected and highlighted in red), and Product Manufactured Type. A sub-header includes Filter, Remove, and Add buttons. The main table lists sources with columns for Code (dropdown), Source (text), and Description (e.g., REUTERS, MCB, EDF, SAC, ICO, FAMA). Each row has an Edit button.

Code	Source
REUTERS	
MCB	Form Prepared By MCB
EDF	EDF MAN
SAC	SACODA
ICO	ICCO Bulletin
FAMA	

Figure 207 Product - Source (View)

Click on the Source button and the above view is shown.

The screenshot shows the SEP App interface for Master Data / Product. The sidebar and tabs are identical to Figure 207. A modal dialog box titled "New Source" is open over the main content. It contains fields for "Code" (with a dropdown menu) and "Source" (with a dropdown menu). At the bottom right of the dialog is a "Save" button. The background table and its data are visible through the modal.

Code	Source
MCB	Form Prepared By MCB
EDF	EDF MAN
SAC	SACODA
ICO	ICCO Bulletin
FAMA	

Figure 208 Product - Source (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

The screenshot shows the SEP App interface. On the left is a sidebar with icons for Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile, Master Data (which is selected and highlighted in green), and Location. The main area is titled 'Master Data / Product' and has tabs for Local Product, International Product, Source (selected), and Product Manufactured Type. Below the tabs is a table with columns 'Code' and 'Source'. The table contains the following data:

Code	Source
<input type="checkbox"/>	REUTERS
<input checked="" type="checkbox"/> MCB	Form Prepared By MCB
<input type="checkbox"/> EDF	EDF MAN
<input type="checkbox"/> SAC	SACODA
<input type="checkbox"/> ICO	ICCO Bulletin
<input type="checkbox"/> FMA	FAMA

A small confirmation dialog box is overlaid on the top right, asking 'sep.koko.my says Are you sure to delete 1 sources?' with 'OK' and 'Cancel' buttons. The 'Remove' button in the table header is also highlighted with a red box.

Figure 209 Product - Source (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

The screenshot shows the SEP App interface. On the left is a sidebar with icons for Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile, Master Data (selected and highlighted in green), and Location. The main area is titled 'Master Data / Product' and has tabs for Local Product, International Product, Source (selected), and Product Manufactured Type. Below the tabs is a table with columns 'Code' and 'Source'. The table contains the following data:

Code	Source
<input type="checkbox"/> ICO	ICCO Bulletin

A filter dialog box is overlaid on the top right, showing 'Filter Source' with the word 'ico' typed in. The 'Remove' button in the table header is also highlighted with a red box.

Figure 210 Product - Source (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

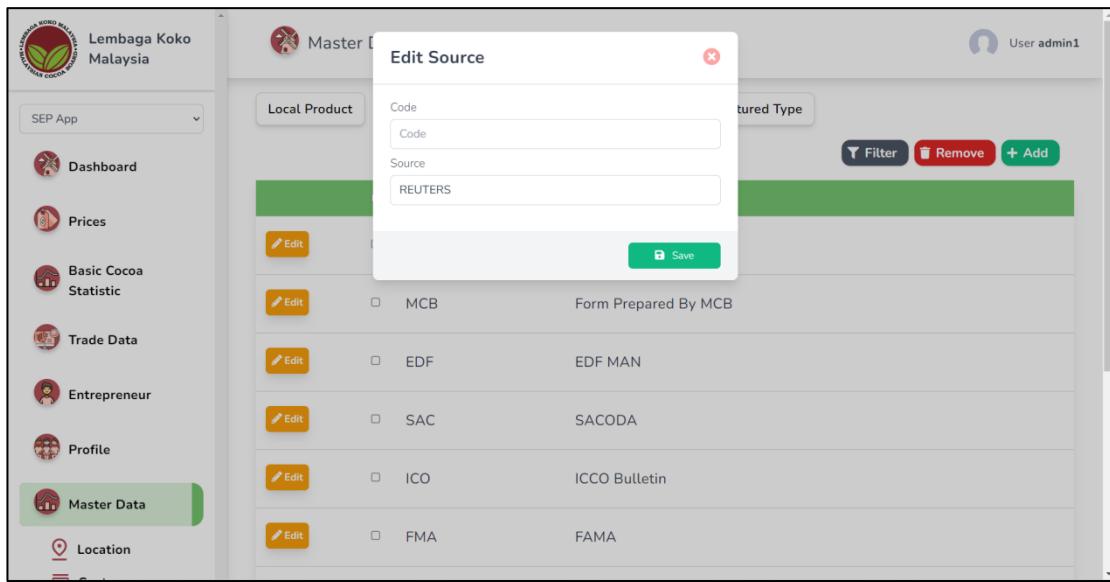


Figure 211 Product - Source (Edit)

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

4.4 PRODUCT MANUFACTURE TYPE

Type	Code	Name
Non-Food	Others	Others
Non-Food	Pharmaceutical	Pharmaceutical
Non-Food	Toiletries	Toiletries
Non-Cocoa	Others	Others Products
Non-Cocoa	Ice-Cream	Ice-Cream
Non-Cocoa	Sweets	Sweets

Figure 212 Product -Product Manufacture Type (View)

Click on the Product Manufactured Type button and the above view is shown.

Figure 213 Product Manufactured Type (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

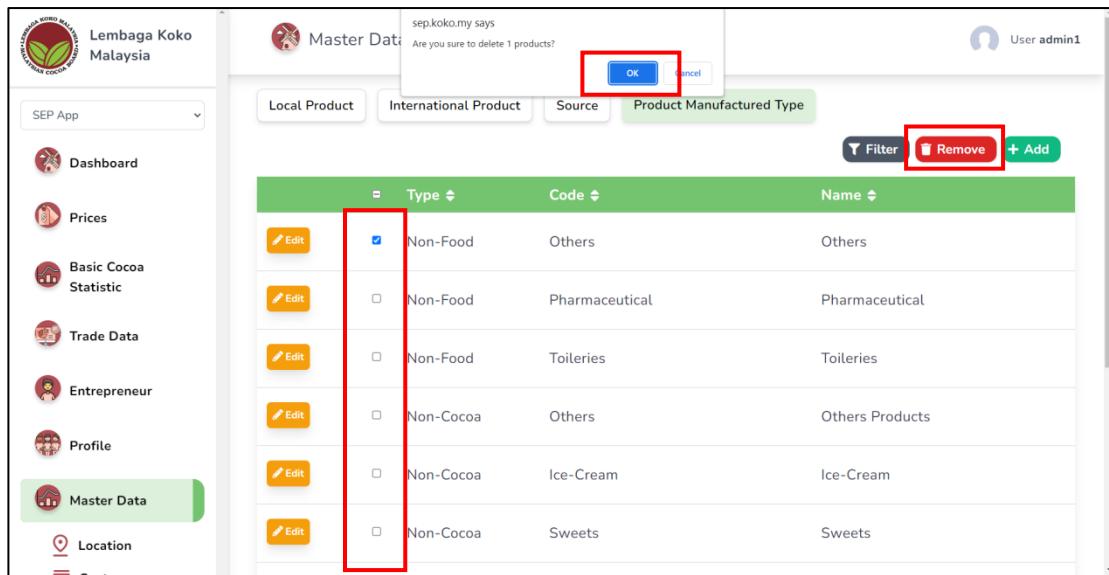


Figure 214 Product Manufactured Type (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

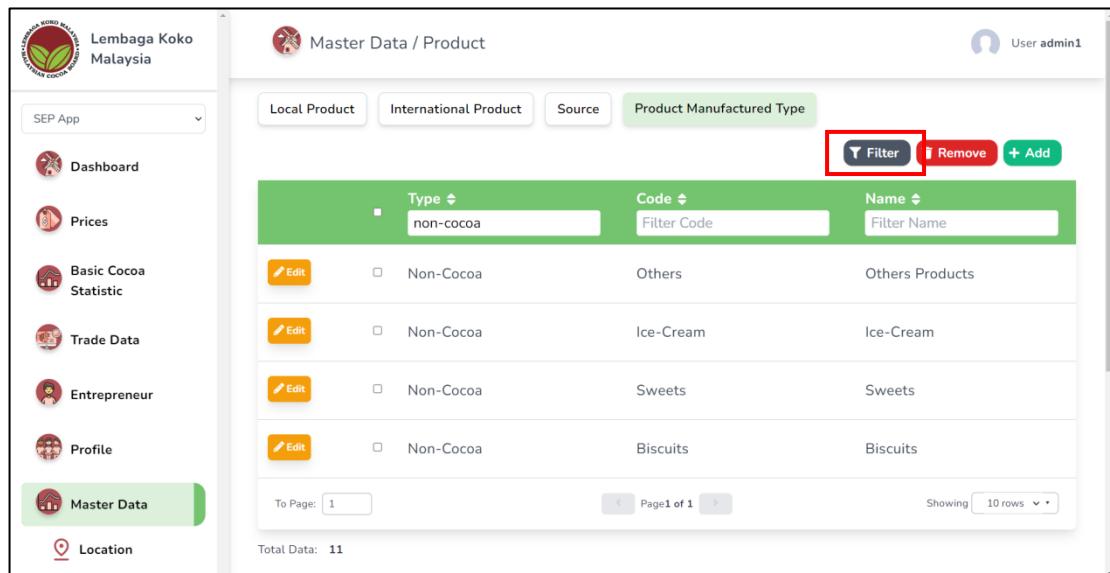


Figure 215 Product Manufactured Type (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

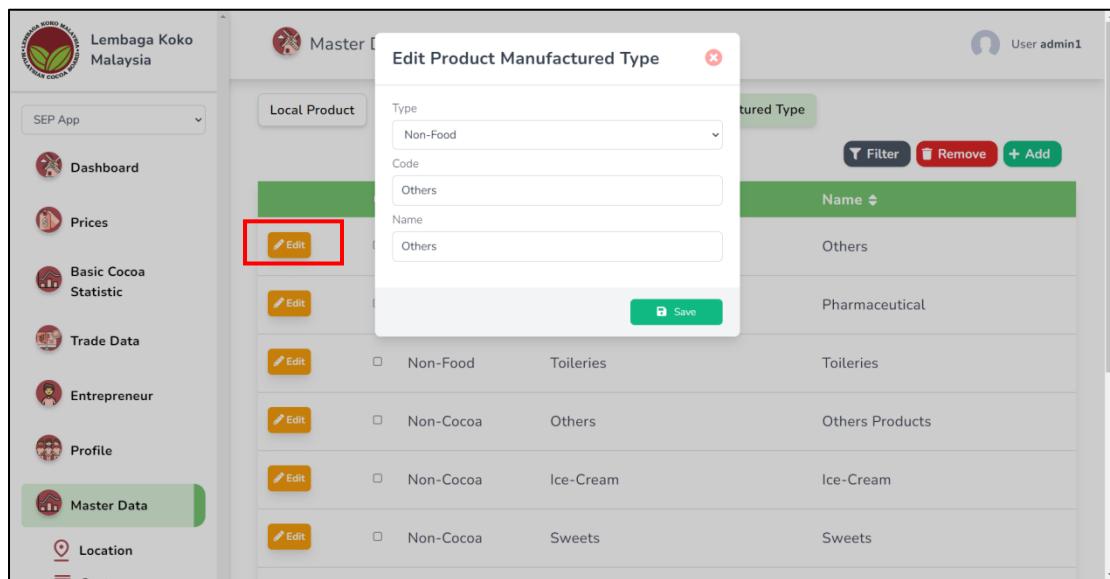


Figure 216 Product Manufactured Type (Edit)

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

5. EMPLOYMENT

5.1 CATEGORY

The screenshot shows the 'Master Data / Employment' module. On the left is a sidebar with icons for various modules: SEP App, Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile, Master Data (which is highlighted with a green background), and Location. The main area is titled 'Master Data / Employment' and has tabs for 'Category' (which is selected and highlighted with a red box) and 'Division'. There are buttons for 'Filter', 'Remove', and '+ Add'. A table lists two categories: '01 Upstream' and '02 Downstream'. Each row has an 'Edit' button. At the bottom, there are pagination controls ('To Page: 1', 'Page 1 of 1', 'Showing 10 rows') and a total data count ('Total Data: 2').

Figure 217 Employment - Category

Click on the Employment module and by default, Employment view is shown. To view other modules, click the above button.

This screenshot shows the 'New Category' dialog box overlaid on the main 'Master Data / Employment' view. The dialog has fields for 'Code' (with '03' entered) and 'Description' (with 'Upstream' entered). It includes 'Save' and 'Cancel' buttons. The main view in the background shows the same table as Figure 217, with the '+ Add' button also highlighted with a red box.

Figure 218 Employment - Category (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

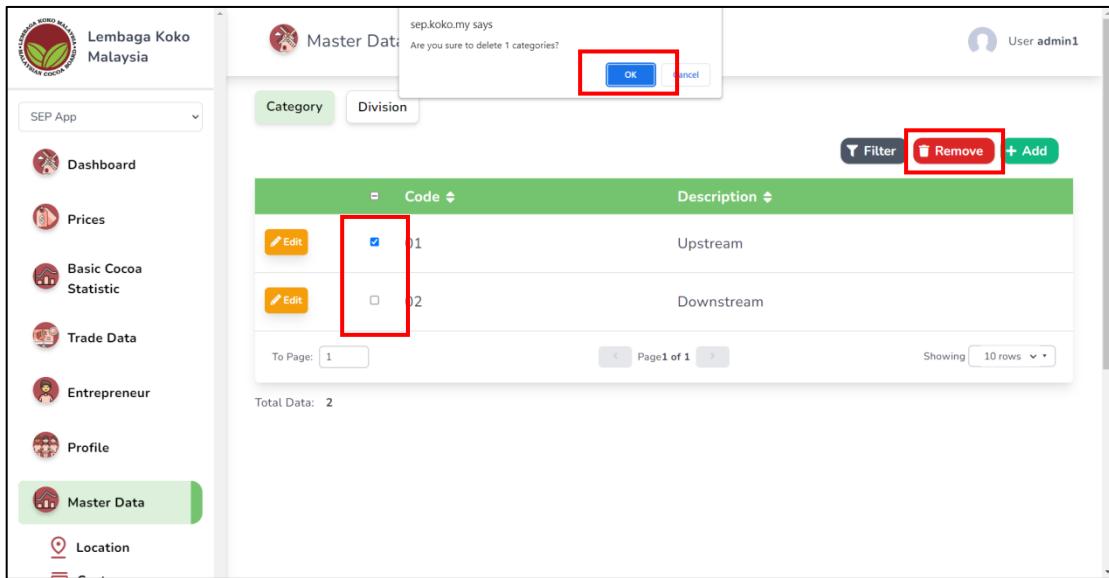


Figure 219 Employment - Category (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

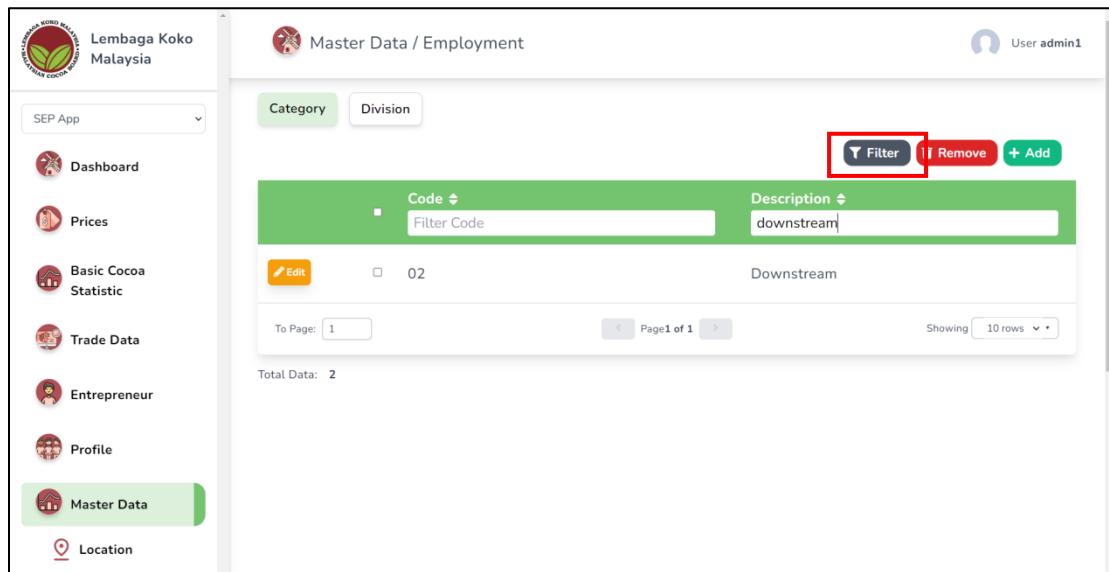


Figure 220 Employment - Category (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

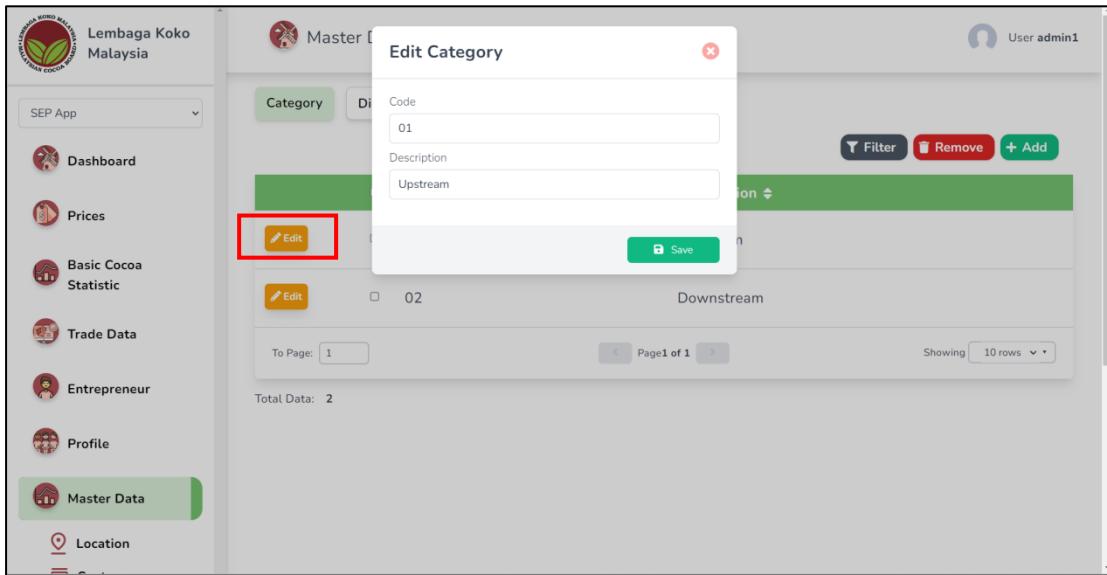


Figure 221 Employment - Category (Edit)

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

5.2 DIVISION

	Code	Description	Category
Edit	10	Others	Downstream
Edit	09	Entrepreneur	Downstream
Edit	08	Manufacturer	Downstream
Edit	07	Grinder	Downstream
Edit	06	Others	Upstream
Edit	05	Exporter	Upstream

Figure 222 Employment – Division (View)

Click on the Division button and the above view is shown.

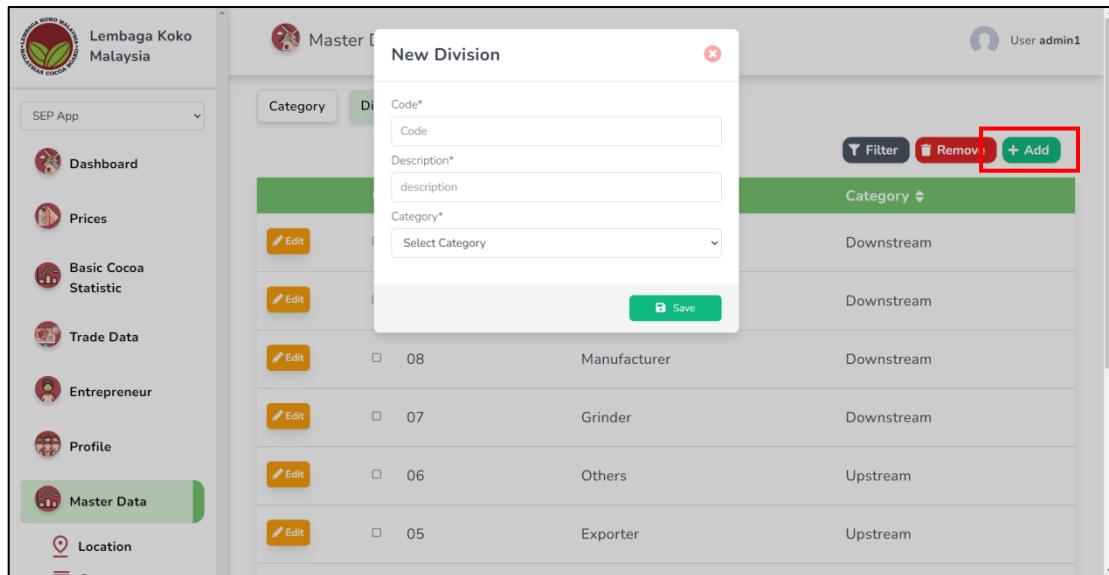


Figure 223 Employment - Division (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

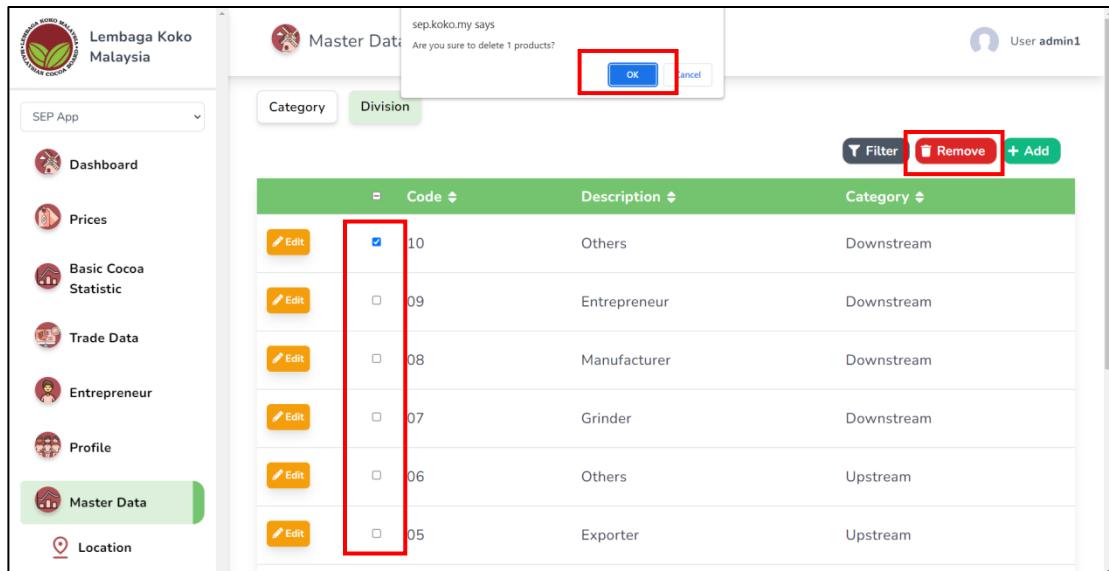


Figure 224 Employment - Division (Remove)

possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

	Code	Description	Category
	10	Others	Downstream
	06	Others	Upstream

Figure 225 Employment - Division (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

	Code*	Description*	Category*
	10	Others	Downstream
	08	Manufacturer	Downstream
	07	Grinder	Downstream
	06	Others	Upstream
	05	Exporter	Upstream

Figure 226 Employment - Division (Edit)

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

6. AGRI INPUT

6.1 AGRI INPUT TYPE

Description
GML
Fungicides
Herbicides & Weedicides
Insecticide & Pesticides
Fertilizer

Figure 227 Agri Input Type (View)

Click on the Agri Input module and by default, Agri Input Type view is shown. To view other modules, click the above button.

Description
Description

Figure 228 Agri Input Type (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

Figure 229 Agri Input Type (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

Figure 230 Agri Input Type (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

6.2 PRODUCT TYPE

The screenshot shows the 'Master Data / Agri Input' page. On the left is a sidebar with icons for various functions like Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile, Master Data (which is selected and highlighted in green), and Location. The main area has tabs for 'Agri Input Type' and 'Product Type', with 'Product Type' being the active tab and highlighted with a red box. Below the tabs is a table with two columns: 'Product Type Desc' and 'Agri Input Type Desc'. The table lists several items with their descriptions and categories, each with an 'Edit' button. The 'Edit' button for the first item, 'Praquat', is also highlighted with a red box.

Product Type Desc	Agri Input Type Desc
Praquat	Herbicides & Weedicides
Spark	Herbicides & Weedicides
Round-Up	Herbicides & Weedicides
Nasa Glyphosate	Herbicides & Weedicides
Kleen Pect	Insecticide & Pesticides
Uncide	Insecticide & Pesticides

Figure 232 Product Type (View)

Click on the Product Type button and the above view is shown.

This screenshot shows the same 'Master Data / Agri Input' page as the previous one, but with a modal dialog box open over it. The dialog is titled 'New Product Type' and contains two input fields: 'Description' and 'Agri Input Type'. Below these fields is a dropdown menu labeled 'Select Agri Type'. At the bottom of the dialog are 'Save' and 'Cancel' buttons. The 'Save' button is highlighted with a red box. The background of the main interface shows the same table of product types as in Figure 232, with the 'Edit' button for 'Praquat' also highlighted with a red box.

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

Product Type Desc	Agri Input Type Desc	
<input checked="" type="checkbox"/> Praquat	Herbicides & Weedicides	<button>Edit</button>
<input type="checkbox"/> Spark	Herbicides & Weedicides	<button>Edit</button>
<input type="checkbox"/> Round-Up	Herbicides & Weedicides	<button>Edit</button>
<input type="checkbox"/> Nasa Glyphosate	Herbicides & Weedicides	<button>Edit</button>
<input type="checkbox"/> Kleen Pect	Insecticide & Pesticides	<button>Edit</button>
<input type="checkbox"/> Uncide	Insecticide & Pesticides	<button>Edit</button>

Figure 234 Product Type (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

Product Type Desc	Agri Input Type Desc	
<input type="checkbox"/> Filter Product Type Desc	insecticide	
<input type="checkbox"/> Kleen Pect	Insecticide & Pesticides	<button>Edit</button>
<input type="checkbox"/> Uncide	Insecticide & Pesticides	<button>Edit</button>
<input type="checkbox"/> Nurelle	Insecticide & Pesticides	<button>Edit</button>
<input type="checkbox"/> Ripcord	Insecticide & Pesticides	<button>Edit</button>

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

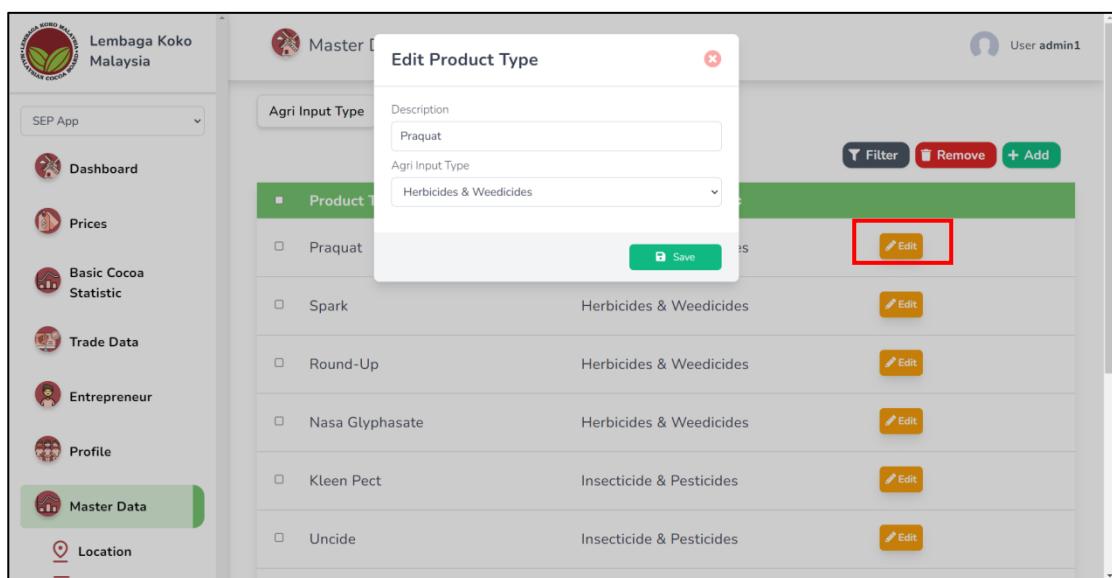


Figure 236 Product Type (Edit)

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

USER MANAGEMENT

1. USER ADMIN

Staff ID	Email	Roles	Status	Regions	Action	Action
user1	test1@gmail.com	PPE User	Active	Sabah	Edit	Update Password
user2	test@gmail.com	PPE User	Active	Sabah	Edit	Update Password
user3	test@gmail.com	PPE User	Active	Sabah	Edit	Update Password
user4	test@gmail.com	PPE User	Active	Sabah	Edit	Update Password

Figure 237 User Management - User Admin (View)

Click on the User Management module and by default, User Admin view is shown. To view other modules, click the above button.

Staff ID	Email	Status	Regions	Action	Action
user1		Active	Sabah	Edit	Update Password
user2		Active	Sabah	Edit	Update Password
user3		Active	Sabah	Edit	Update Password
user4		Active	Sabah	Edit	Update Password

Figure 238 User Management - User Admin (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

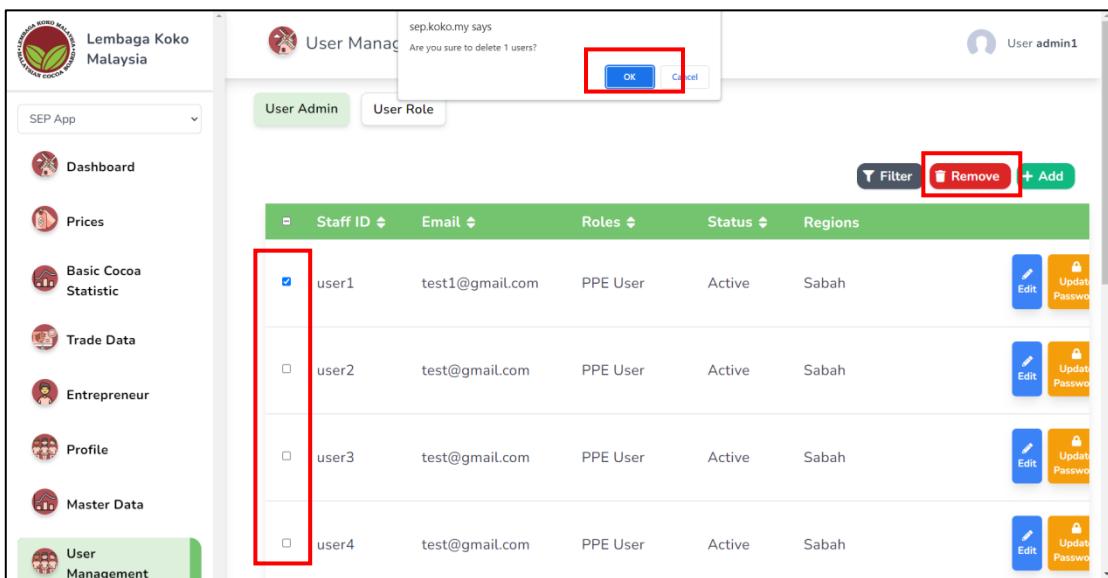


Figure 239 User Management - User Admin (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

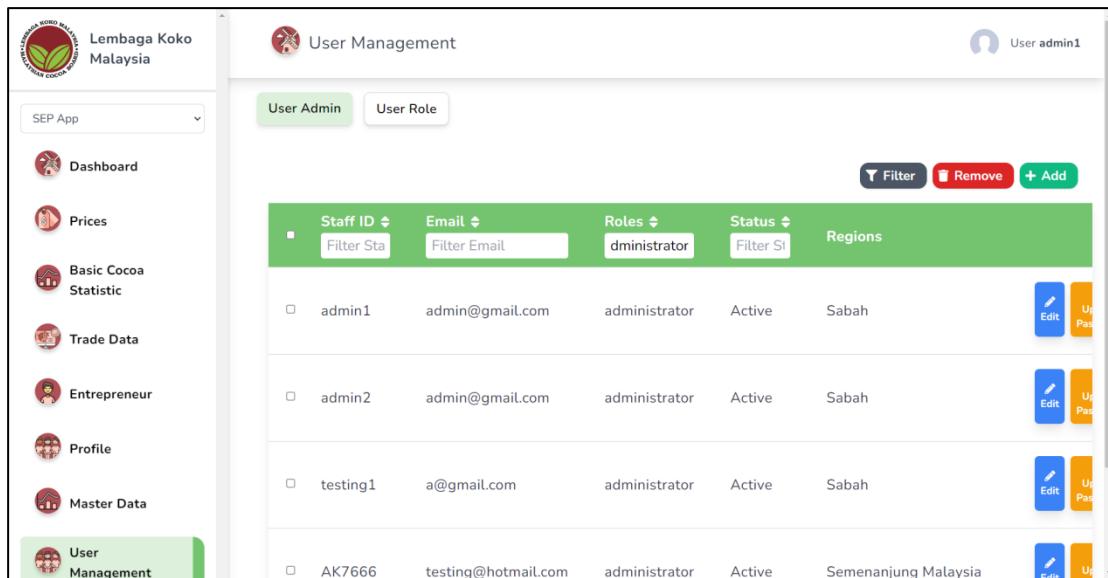


Figure 240 User Management - User Admin (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

The screenshot shows the 'User Management' section under 'User Admin'. A table lists four users with columns: Email, Roles, Status, and Regions. To the right of each user row is a vertical stack of four buttons: Edit, Update Password, Activate, and Deactivate. The 'Activate' and 'Deactivate' buttons are highlighted with a red border.

Email	Roles	Status	Regions	
est1@gmail.com	PPE User	Active	Sabah	Edit Update Password Activate Deactivate
est@gmail.com	PPE User	Active	Sabah	Edit Update Password Activate Deactivate
est@gmail.com	PPE User	Active	Sabah	Edit Update Password Activate Deactivate
est@gmail.com	PPE User	Active	Sabah	Edit Update Password Activate Deactivate

Figure 241 User Management - User Admin (Activity Button)

Scrolling to the right, edit, update password, activate and deactivate button is shown.

The screenshot shows the 'User Management' section under 'User Admin'. A modal window titled 'Edit User Admin' is open, displaying fields for Staff ID (user1), User Role (PPE User), Email (test1@gmail.com), Department Code (Select Dept.Code), and Regions (Sabah). Below the modal is a table with a similar structure to Figure 241, showing four users. The 'Edit' button for the first user is highlighted with a red border.

Figure 242 User Management - User Admin (Edit)

Click on Edit button and above view will be shown. Amend the description of the fields and click Save.

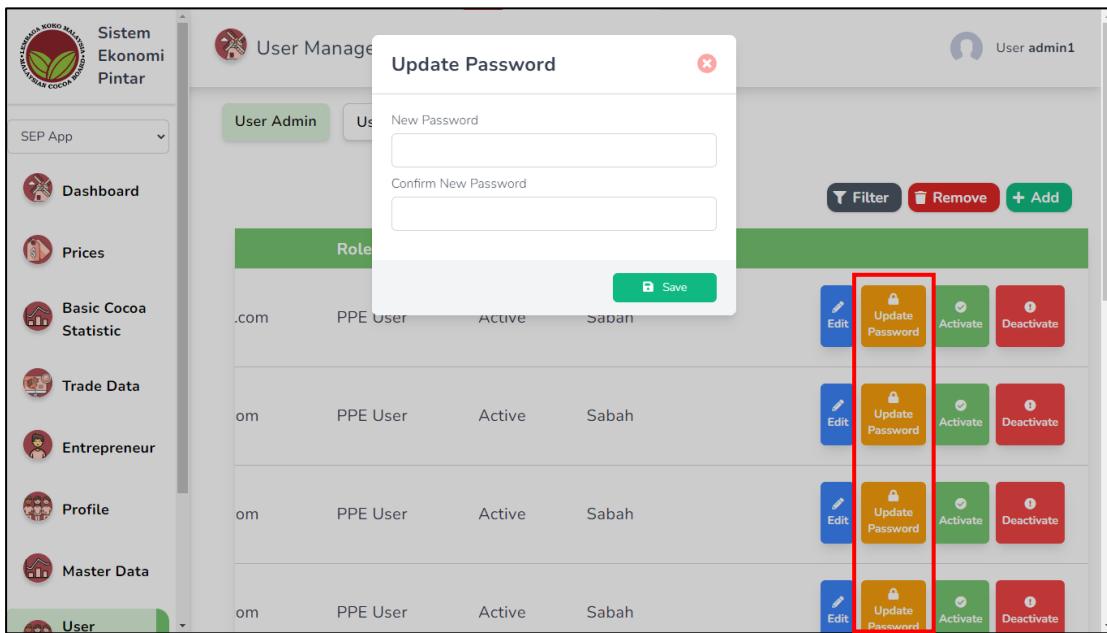


Figure 243 User Management - User Admin (Update)

Click on the Update Password Button and the above fields will be shown .

2. USER ROLE

The screenshot shows the 'User Management' interface with the 'User Role' tab selected (highlighted with a red box). On the left is a sidebar with various icons and links: SEP App, Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile, Master Data, and User Management (which is highlighted with a green box). The main area displays a table of user roles with columns for 'Role' and 'Permissions'. Each row shows a role name, its permission count (e.g., 236 permissions, 50 permissions), and an 'Edit' button. At the top right are 'Filter', 'Remove', and '+ Add' buttons.

Role	Permissions	Action
Only Dashboard	236 permissions	Edit
PKK	50 permissions	Edit
PPE User	236 permissions	Edit
Super User	0 permissions	Edit
Test	239 permissions	Edit
administrator	239 permissions	Edit

Figure 244 User Management - User Role (View)

Click on the User Role button and the above view is shown.

The screenshot shows the 'New Role' dialog box. It has a 'Role*' input field and a 'Permissions' section with three buttons: 'Select All', 'Deselect All', and 'Read Only'. Below these are tables for 'Name', 'Permissions', and 'Menu'. The 'Permissions' table lists various BCS categories with checkboxes for Read, Create, Update, and Delete. The 'Menu' table lists 'Basic Cocoa Statistic' for each category. At the bottom right are 'Remove' and '+ Add' buttons.

Name	Permissions	Menu
BCS Domestic Cultivated Area	<input type="checkbox"/> Read <input type="checkbox"/> Create <input type="checkbox"/> Update <input type="checkbox"/> Delete	Basic Cocoa Statistic
BCS Domestic Employment	<input type="checkbox"/> Read <input type="checkbox"/> Create <input type="checkbox"/> Update <input type="checkbox"/> Delete	Basic Cocoa Statistic
BCS Domestic Grindings	<input type="checkbox"/> Read <input type="checkbox"/> Create <input type="checkbox"/> Update <input type="checkbox"/> Delete	Basic Cocoa Statistic
BCS Domestic Input Agri Fertilizer	<input type="checkbox"/> Read <input type="checkbox"/> Create <input type="checkbox"/> Update <input type="checkbox"/> Delete	Basic Cocoa Statistic
BCS Domestic Production	<input type="checkbox"/> Read <input type="checkbox"/> Create <input type="checkbox"/> Update <input type="checkbox"/> Delete	Basic Cocoa Statistic
BCS Global Country Profile	<input type="checkbox"/> Read <input type="checkbox"/> Create <input type="checkbox"/> Update <input type="checkbox"/> Delete	Basic Cocoa Statistic
BCS Global Grinding	<input type="checkbox"/> Read <input type="checkbox"/> Create <input type="checkbox"/> Update <input type="checkbox"/> Delete	Basic Cocoa Statistic
BCS Global ICCO Price	<input type="checkbox"/> Read <input type="checkbox"/> Create <input type="checkbox"/> Update <input type="checkbox"/> Delete	Basic Cocoa Statistic
BCS Global Production	<input type="checkbox"/> Read <input type="checkbox"/> Create <input type="checkbox"/> Update <input type="checkbox"/> Delete	Basic Cocoa Statistic

Figure 245 User Management - User Role (Add)

Click on the Add button and the above view is shown. This function is to give permission to the User.

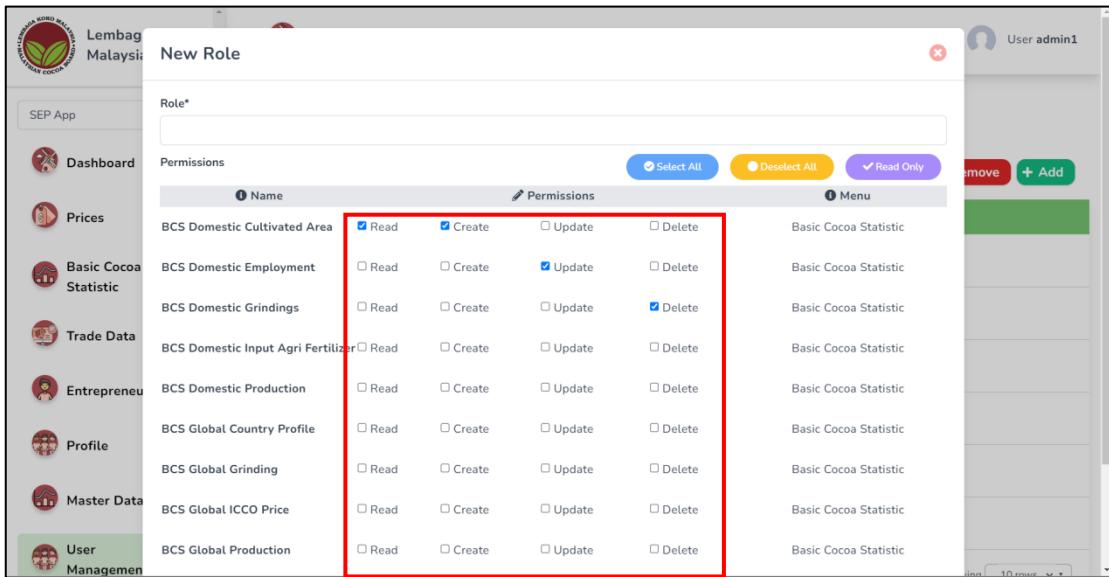


Figure 246 User Management - User Role (Permission)

Tick the types of permission allowed for the User Role.

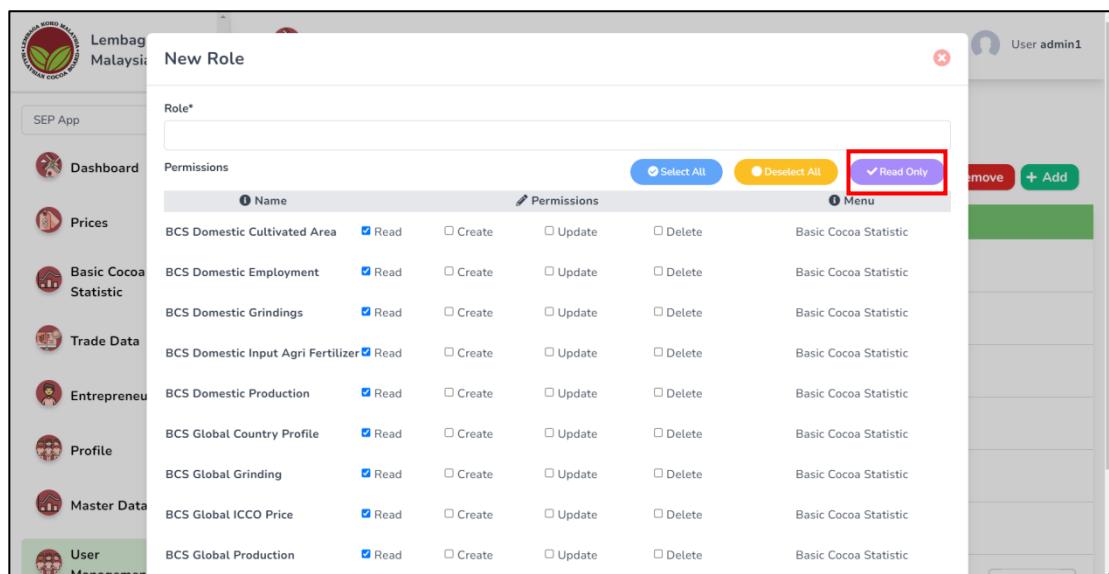


Figure 247 User Management - User Role (Read Only)

Click on the Read only button and all Read only box is automatically tick.

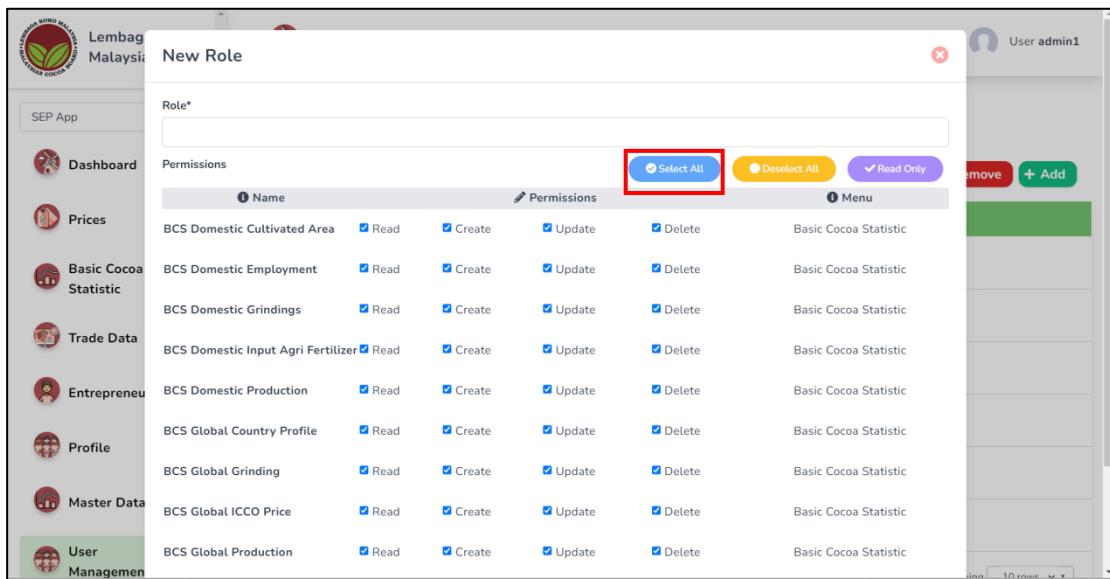


Figure 248 User Management - User Role (Select All)

Click on the Select All Button to select all the boxes

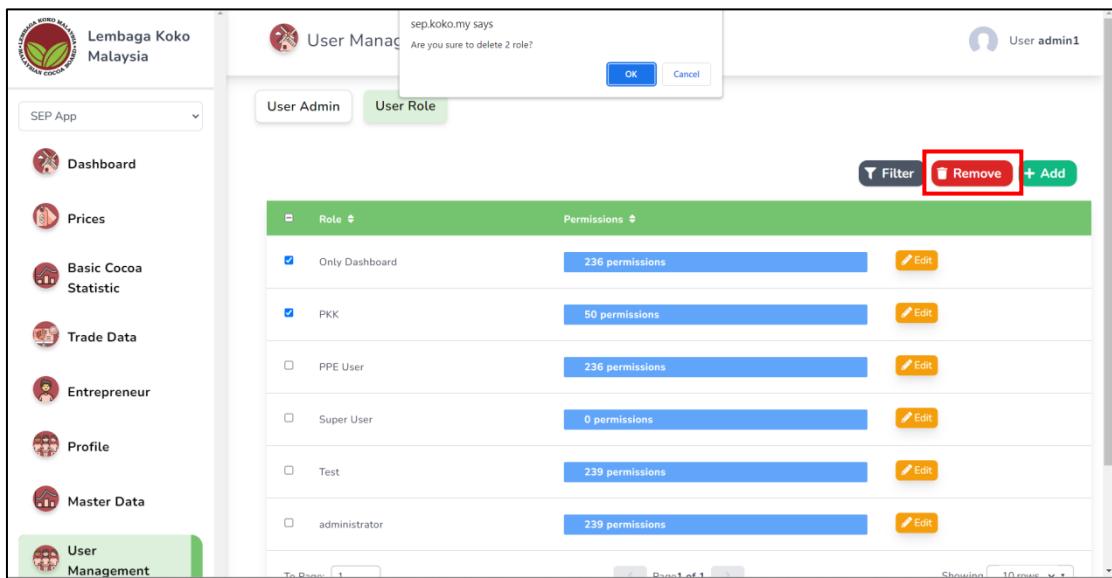


Figure 249 User Management - User Role (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

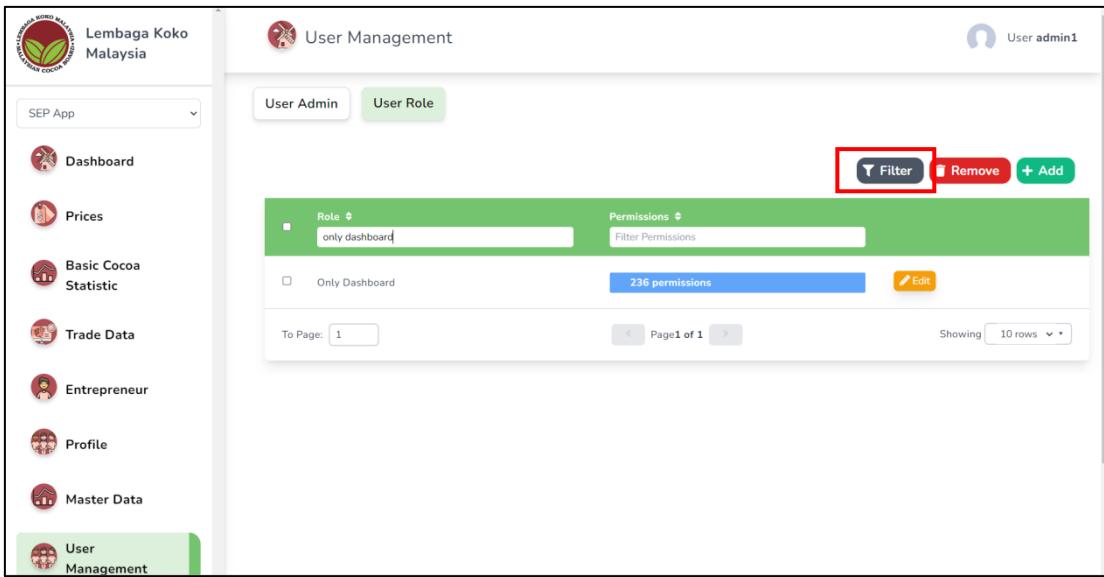


Figure 250 User Management - User Role (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

UNSTRUCTURED DOCUMENTS

1. TARIFF

The screenshot shows the 'Unstructured Document / Tariff' module. On the left is a sidebar with the Lembaga Koko Malaysia logo and a navigation menu including SEP App, Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile, Master Data, and User Management. The main area has a header 'Unstructured Document / Tariff' with a user icon 'User admin1'. Below the header is a table with columns: Product Tariff, Description, File Name, File Type, and Time. The table contains seven rows of data with edit buttons for each row.

Product Tariff	Description	File Name	File Type	Time
test	test	test	xlsx	2023-02-20T13:57:16.957Z
uat	uat	uat	xlsx	2023-01-18T02:40:24.442Z
abcs	avc	adsf	doc	2023-01-09T07:57:20.030Z
testing	testing	testing	xlsx	2023-01-06T03:42:40.137Z
test	test	test	pdf	2023-01-05T08:43:34.394Z
test	test	test	doc	2023-01-03T14:13:14.408Z
asd	asd	asd	pdf	2022-12-20T12:09:24.746Z

Click on the Unstructured Document module and by default, Tariff view is shown.

The screenshot shows the 'New Tariff' form within the 'Unstructured Document - Tariff' module. The left sidebar and header are identical to the previous screenshot. The main area has a title 'New Tariff' with a close button. It contains fields for Product Tariff, Description, File Name, Attachment File (with a 'Choose File' button), and a 'Save' button. To the right of the form is a table with columns: Type and Time. The table contains the same seven rows of data as the previous screenshot, with the 'Add' button highlighted with a red box.

Type	Time
2023-02-20T13:57:16.957Z	
2023-01-18T02:40:24.442Z	
2023-01-09T07:57:20.030Z	
2023-01-06T03:42:40.137Z	
2023-01-05T08:43:34.394Z	
2023-01-03T14:13:14.408Z	
2022-12-20T12:09:24.746Z	

Figure 251 Unstructured Document - Tariff (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

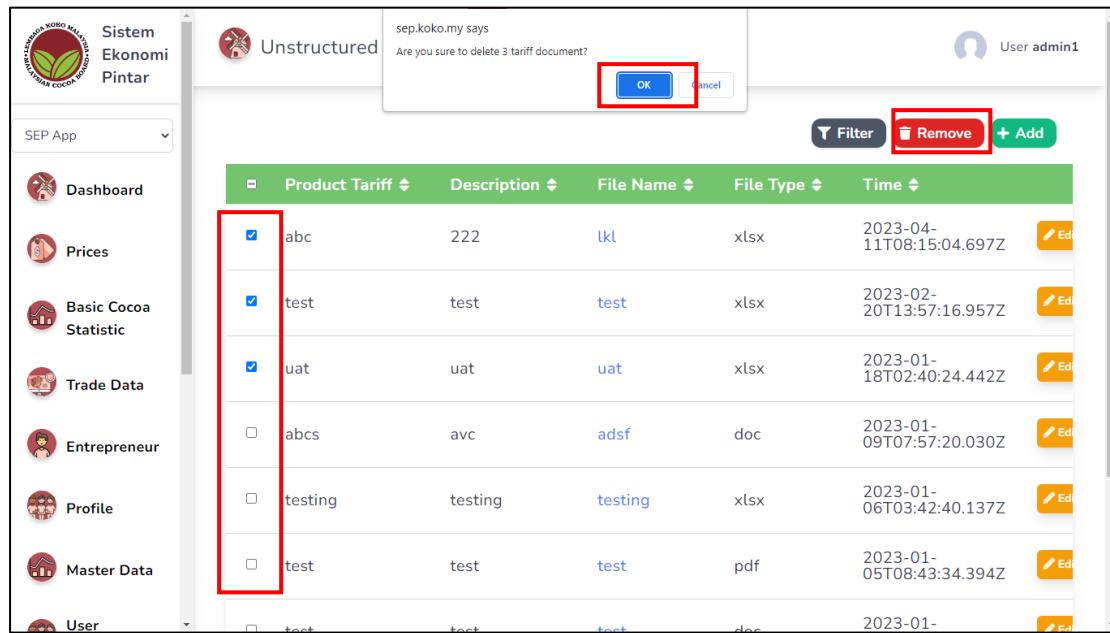


Figure 252 Unstructured Document - Tariff (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

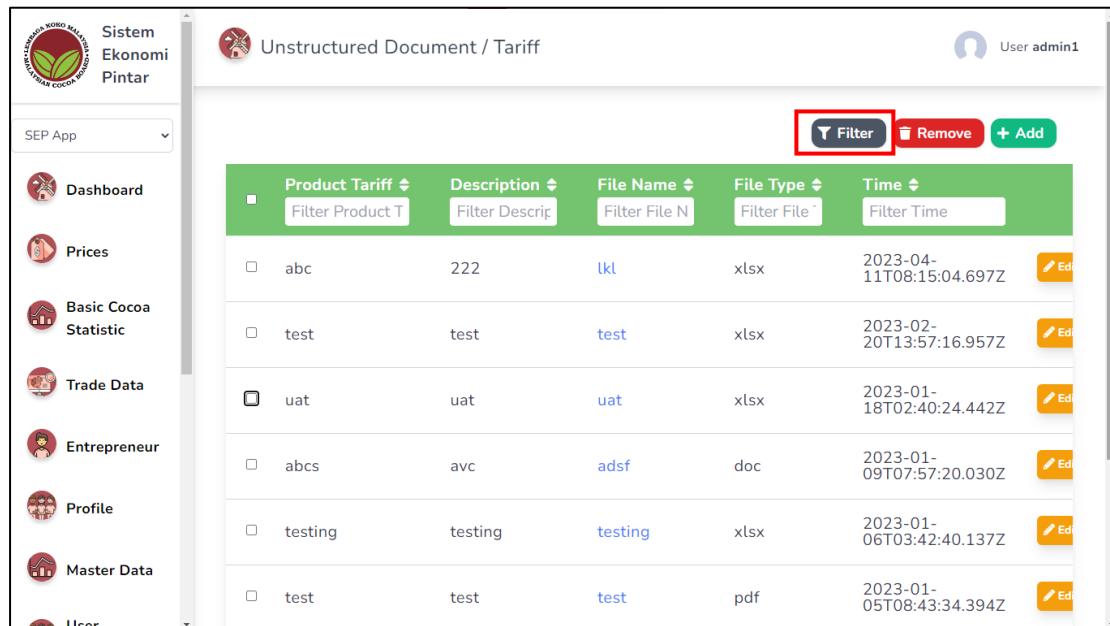


Figure 253 Unstructured Document - Tariff (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

2. Incentive for Investment

The screenshot shows the 'Unstructured' document module. On the left is a sidebar with various menu items: SEP App, Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile, Master Data, and User. The main area has a title 'Unstructured' with a house icon. A modal window titled 'New Incentive for Investment' is open, containing fields for 'Incentive Investment' (dropdown), 'Description', 'File Name', and 'Attachment File'. Below the modal is a table with columns 'File Type', 'Time', and a preview icon. The table lists several documents: an xlsx file from April 11, 2023; an xlsx file from February 20, 2023; a pdf file from January 5, 2023; a doc file from January 3, 2023; and a pdf file from December 20, 2022.

Figure 254 Unstructured Document - Incentive for Investment (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

The screenshot shows the 'Incentive Investment' list page. The sidebar on the left is identical to Figure 254. The main area has a title 'Unstructured' with a house icon. A modal window in the center asks 'sep.koko.my says Are you sure to delete 3 document ?' with 'OK' and 'Cancel' buttons, where 'OK' is highlighted with a red box. To the right is a table with columns 'Incentive Investment', 'Description', 'File Name', 'File Type', and 'Time'. The first three rows have checkboxes checked, and a red box highlights these checkboxes. The table lists the same five documents as Figure 254.

Figure 255 Unstructured Document - Incentive for Investment (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

Incentive Investment	Description	File Name	File Type	Time
kn	ii	ii	xlsx	2023-04-11T08:15:31.282Z
test	test	test	xlsx	2023-02-20T13:57:37.581Z
testing	testing	abc	pdf	2023-01-05T08:44:15.116Z
test	test	test	doc	2023-01-03T14:13:38.556Z
asd	ad	asd	pdf	2022-12-20T11:17:32.330Z

Figure 256 Unstructured Document - Incentives for Investment (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

New International Cocoa Standard

Standard	Year*	File Name	Description	Attachment File
iu	2023			Choose File No file chosen
test				
test				
test				

Figure 257 Unstructured Document - International Cocoa Standard (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

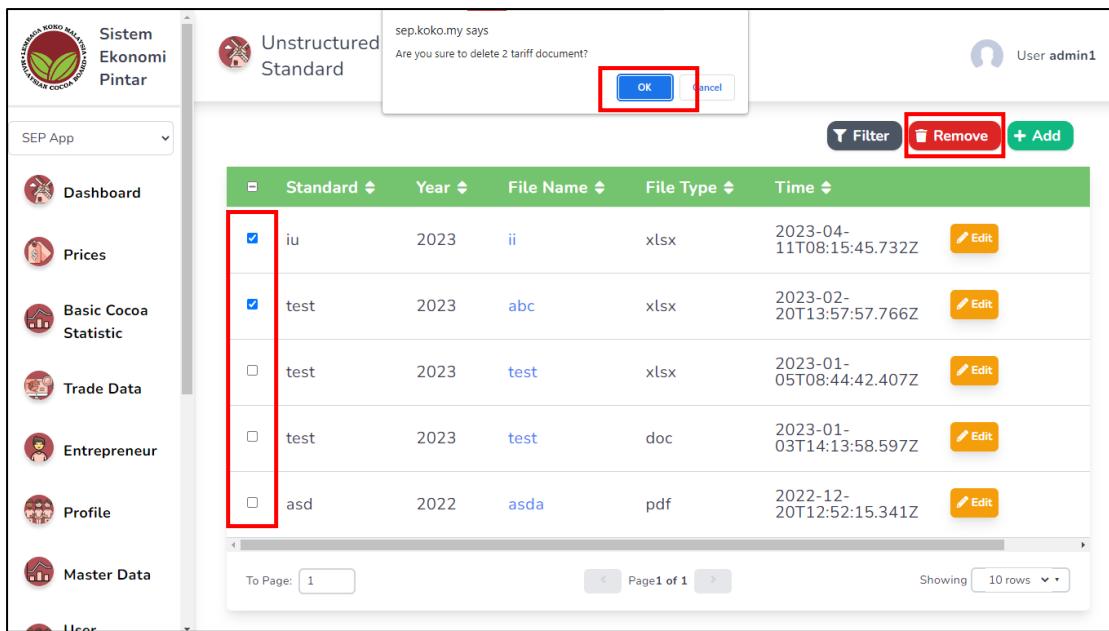


Figure 258 Unstructured Document - International Cocoa Standard (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

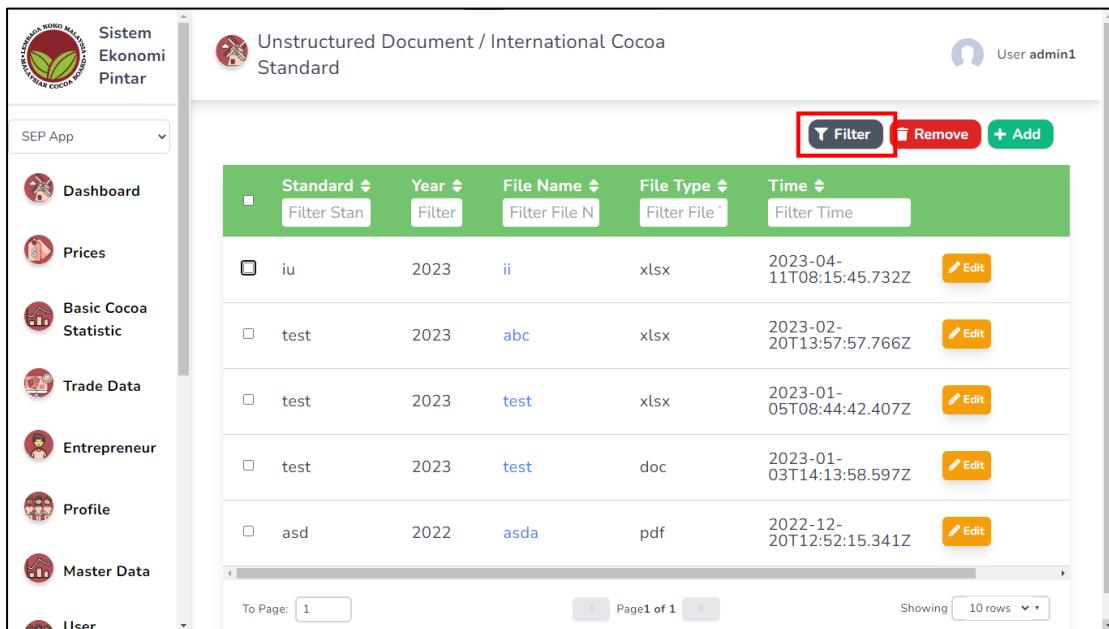


Figure 259 Unstructured Document - International Cocoa Standard (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

3. Others

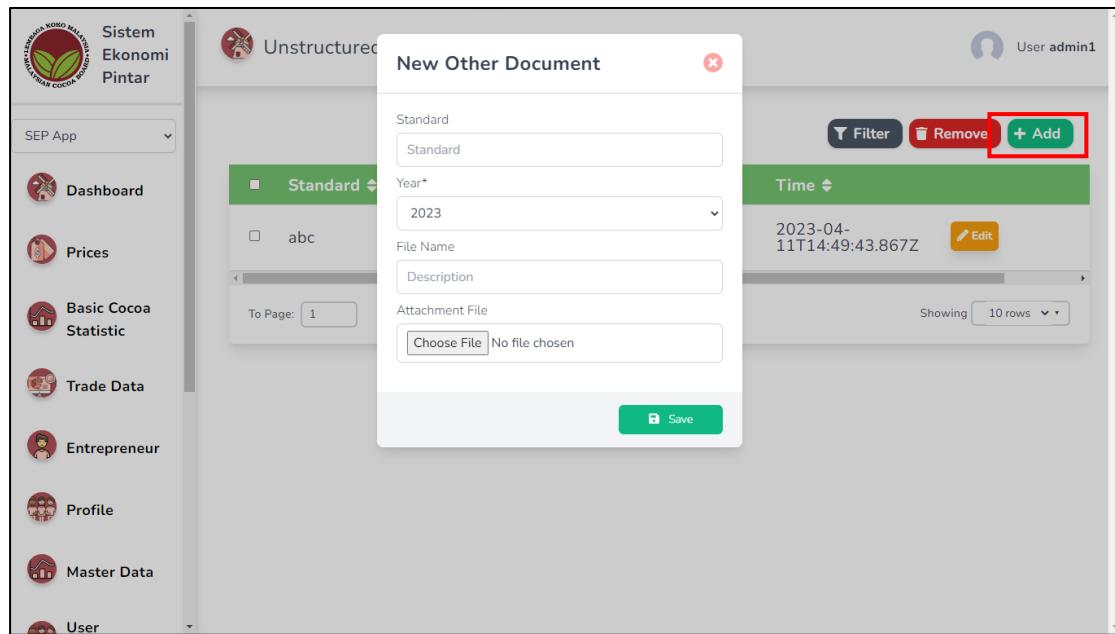


Figure 260 Unstructured Document - Others (Add)

Click on Add button and above view will be shown. Enter the description for each field and click Save once every data has been entered.

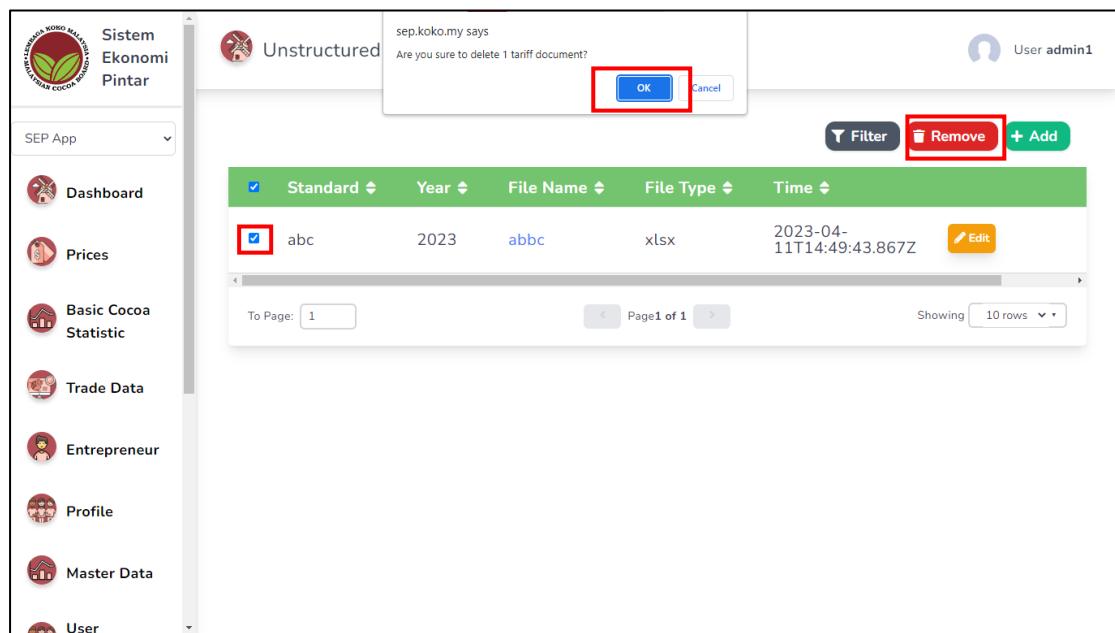


Figure 261 Unstructured Documents - Others (Remove)

Tick the small box next to chosen data to be deleted, multiple select of data to be deleted are possible. Click on the Remove button after selecting then a small window will pop up for confirmation of data deletion. Small box next to title fields allows to select all data or deselect.

The screenshot shows the SEP App interface. On the left is a sidebar with various icons and labels: Dashboard, Prices, Basic Cocoa Statistic, Trade Data, Entrepreneur, Profile, Master Data, and User. The main area is titled "Unstructured Document / Other". At the top right, it says "User admin1". Below the title is a toolbar with three buttons: "Filter" (highlighted with a red box), "Remove", and "Add". Underneath the toolbar is a table with five columns: Standard, Year, File Name, File Type, and Time. The first row of the table contains the values: abc, 2023, abbc, xlsx, and 2023-04-11T14:49:43.867Z. To the right of the last column is an "Edit" button. At the bottom of the table are pagination controls: "To Page: 1", "Page 1 of 1", and "Showing 10 rows".

Figure 262 Unstructured Document - Others (Filter)

Click Filter button to search for a specific data. Key in the specific word in the data entry to find details directly of the chosen field.

USER MANUAL

FOR

MICROSOFT POWER BI

FOR

LEMBAGA KOKO MALAYSIA



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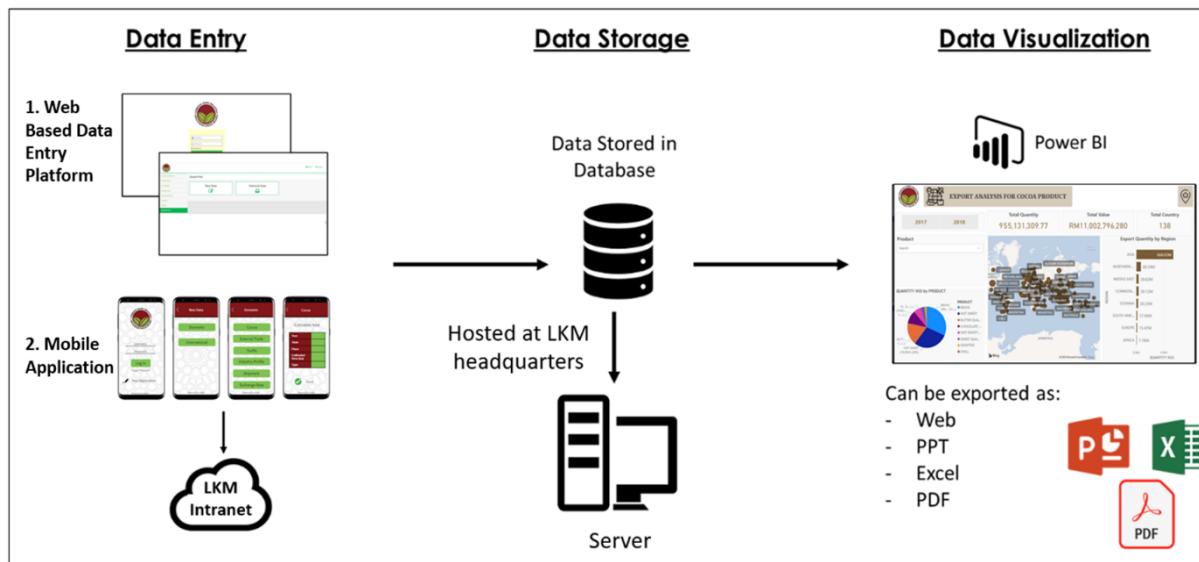
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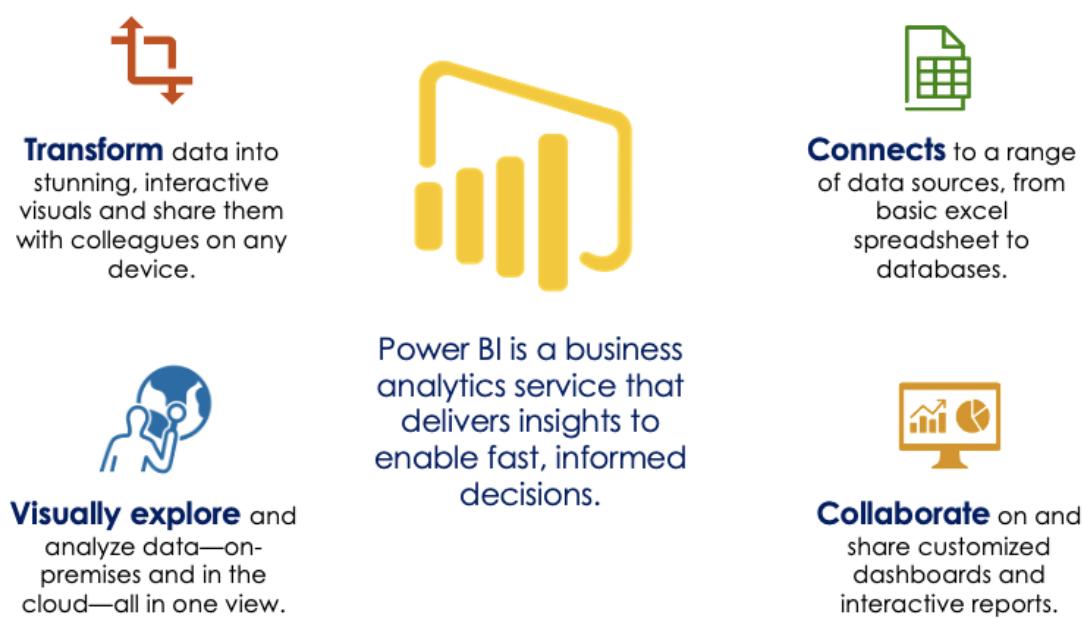
1.0 LKM Sistem Ekonomi Pintar v2.0 Framework

Below shows the workflows to process the raw data from Sistem Ekonomi Pintar v2.0 into a business intelligence dashboard.

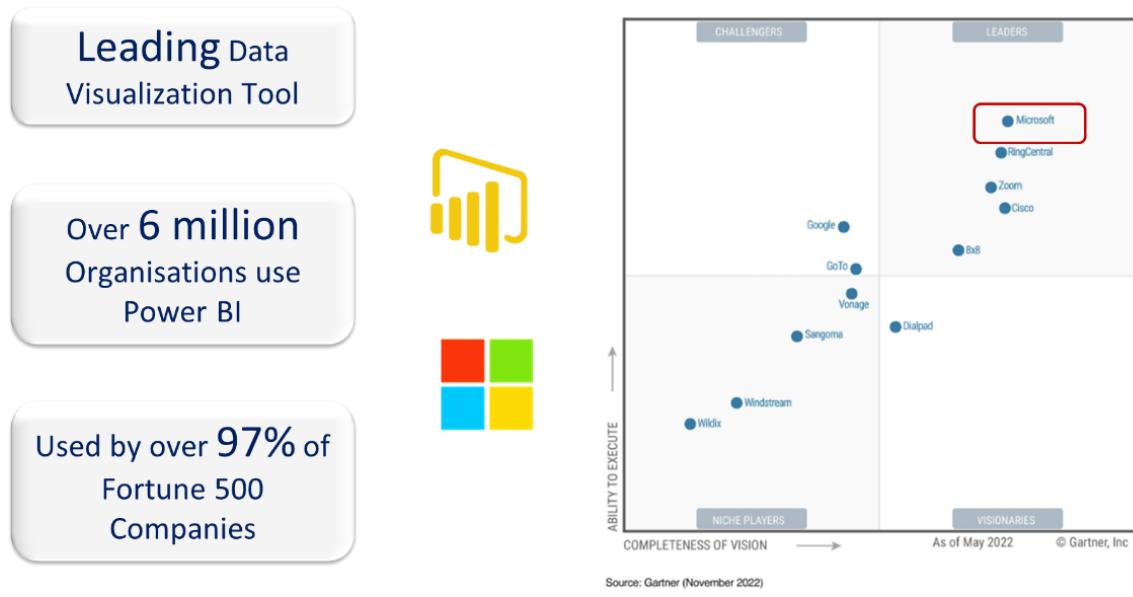


2.0 Introduction to Power BI

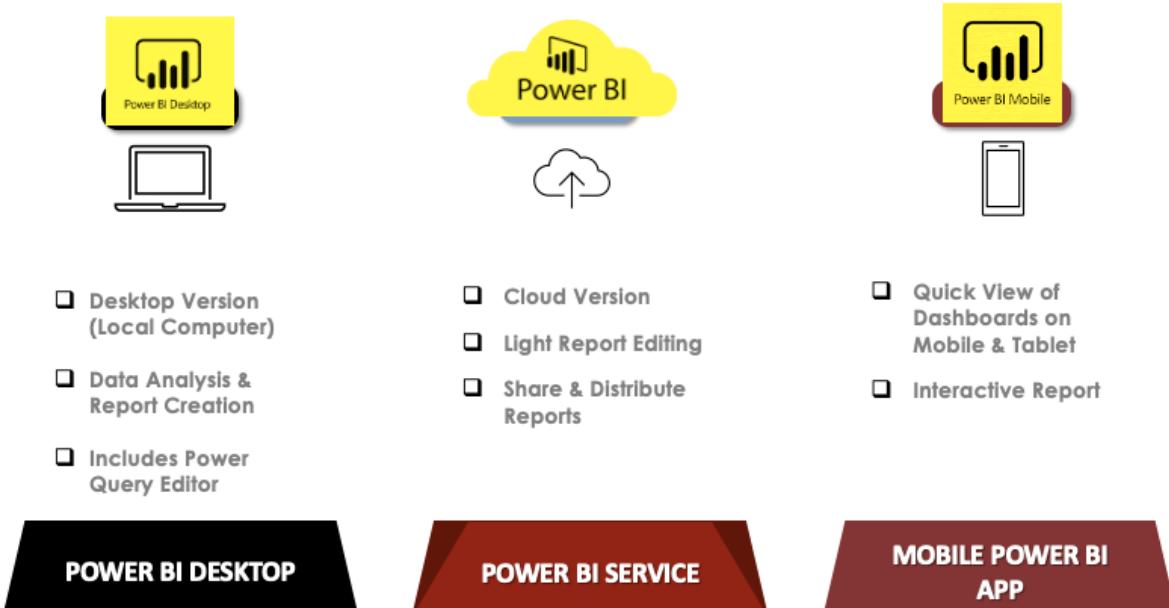
2.1 What is Power BI



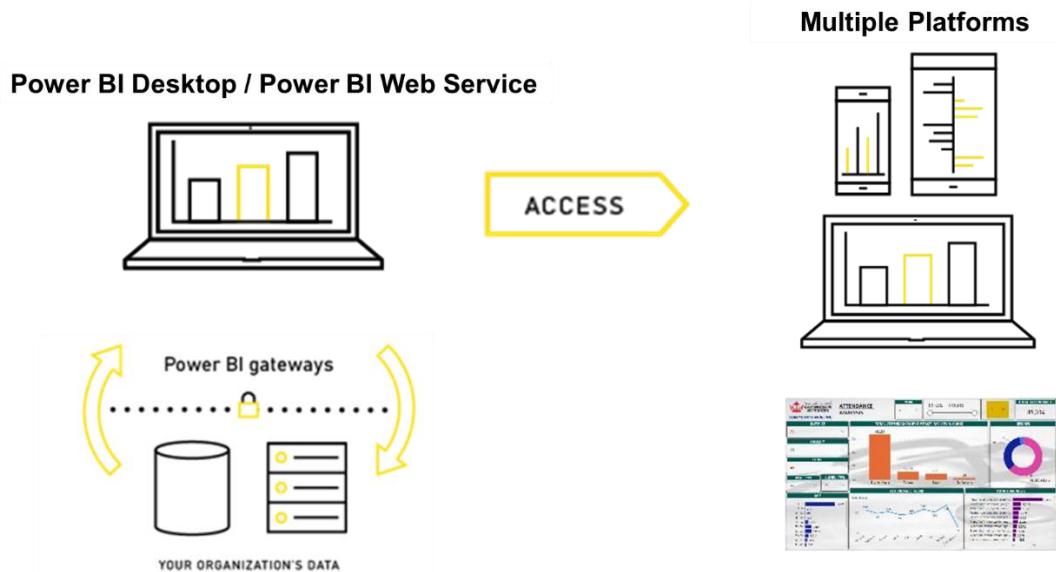
2.2 Why Power BI



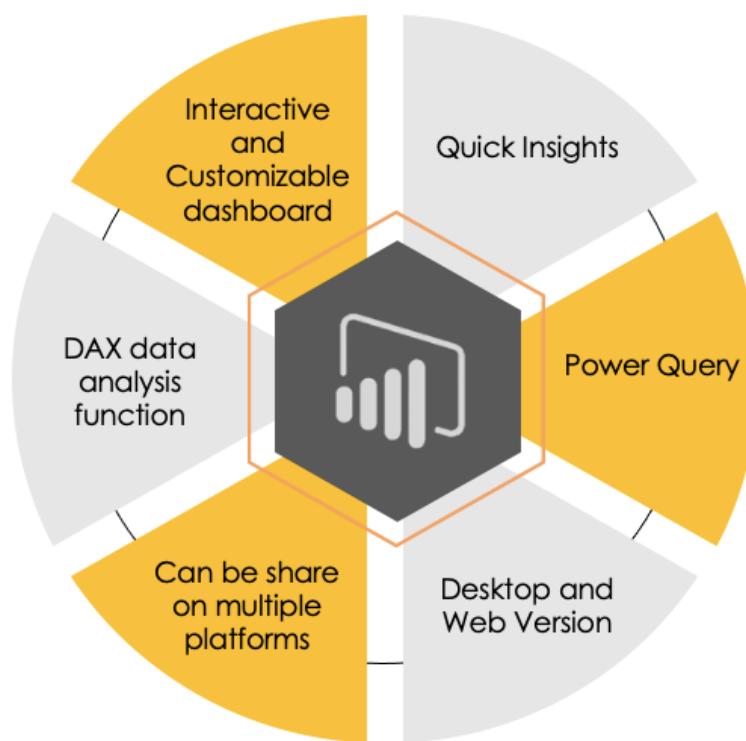
2.3 Power BI Components



2.4 Power BI connects all your data



2.5 Features of Power BI



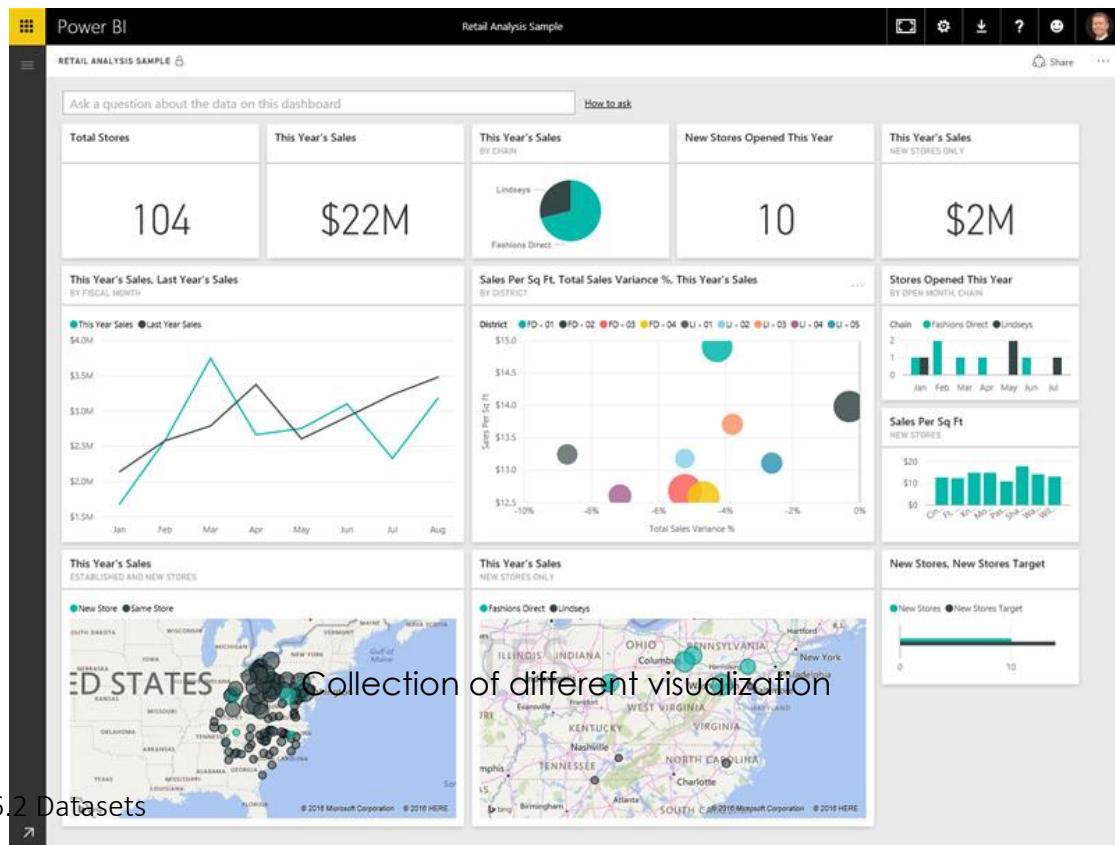
2.6 Building Blocks of Power BI

The building blocks of Power BI

1. Visualizations
2. Datasets
3. Reports
4. Dashboards
5. Tiles

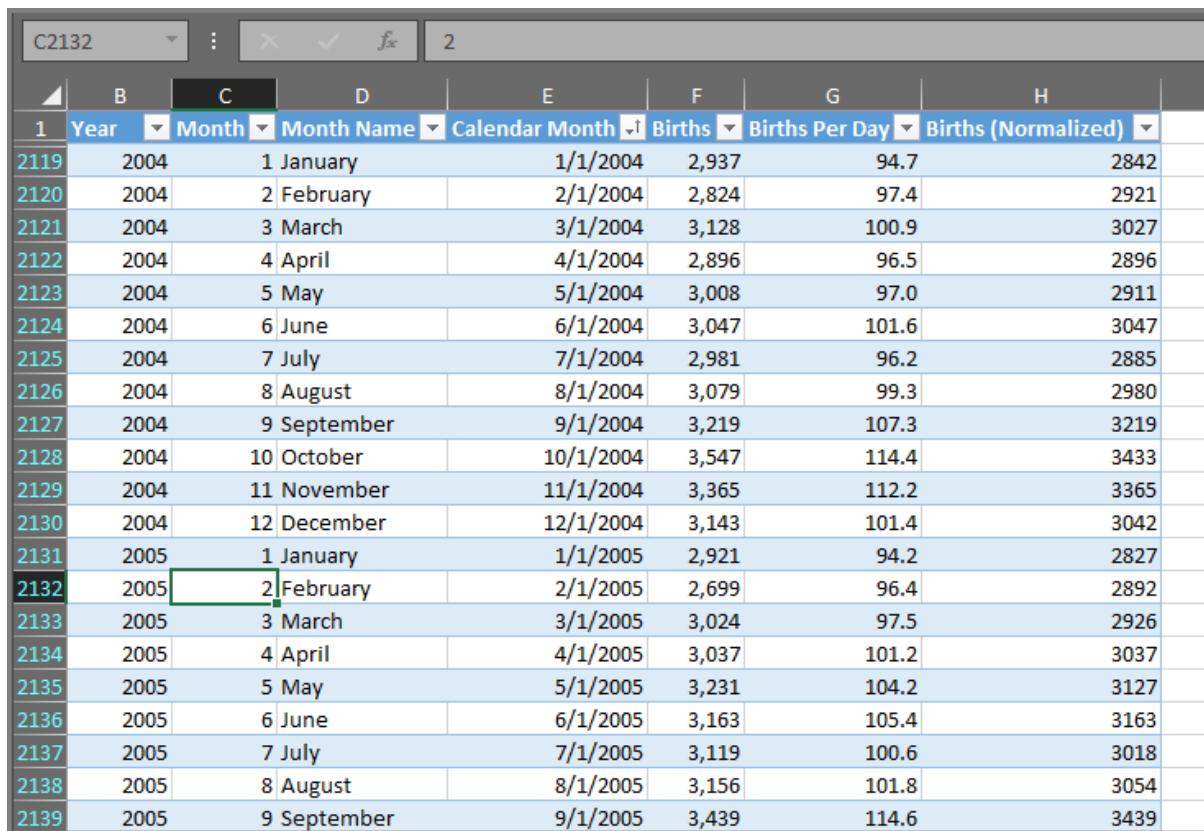
2.6.1 Visualization

- A representation of data such as a chart, graph, a color-coded map or other things you can create to represent your data visually.



2.6.2 Datasets

- A collection of data that Power BI uses to create its visualizations.
- Datasets can be from excel workbook, similar to the following image.



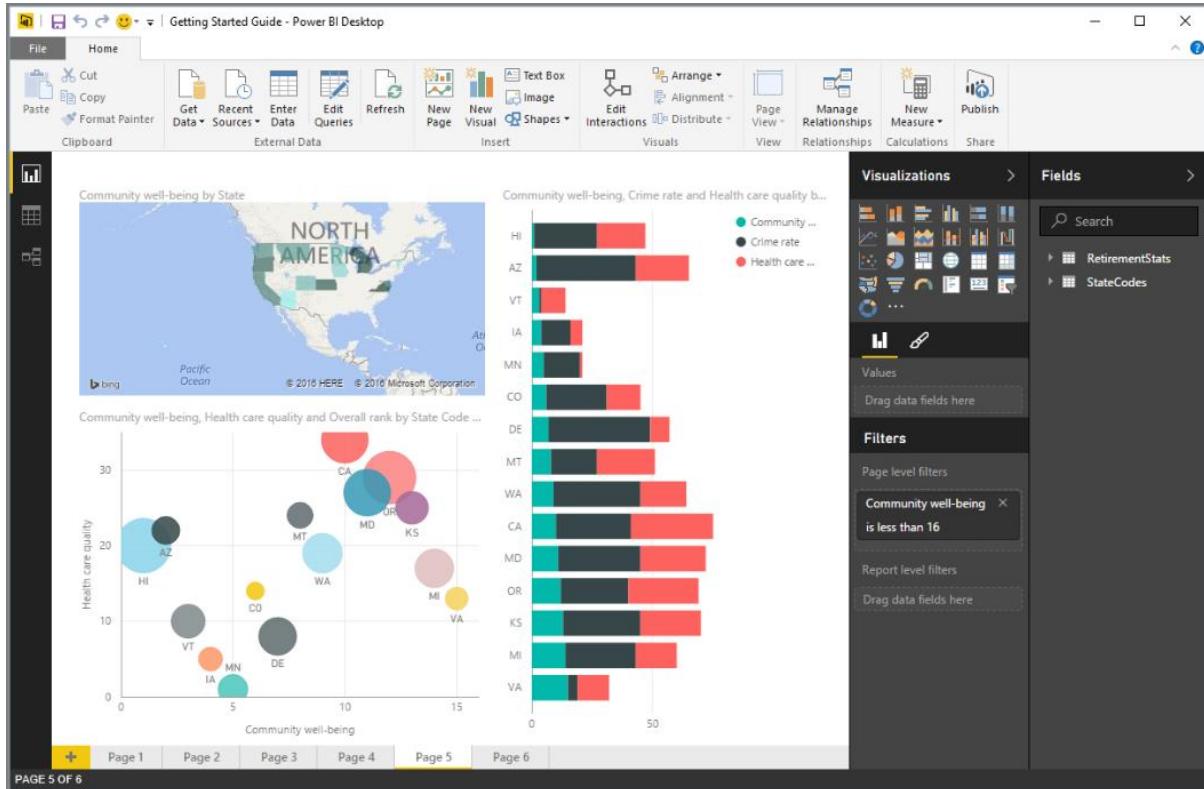
1	B	C	D	E	F	G	H
	Year	Month	Month Name	Calendar Month	Births	Births Per Day	Births (Normalized)
2119	2004	1	January	1/1/2004	2,937	94.7	2842
2120	2004	2	February	2/1/2004	2,824	97.4	2921
2121	2004	3	March	3/1/2004	3,128	100.9	3027
2122	2004	4	April	4/1/2004	2,896	96.5	2896
2123	2004	5	May	5/1/2004	3,008	97.0	2911
2124	2004	6	June	6/1/2004	3,047	101.6	3047
2125	2004	7	July	7/1/2004	2,981	96.2	2885
2126	2004	8	August	8/1/2004	3,079	99.3	2980
2127	2004	9	September	9/1/2004	3,219	107.3	3219
2128	2004	10	October	10/1/2004	3,547	114.4	3433
2129	2004	11	November	11/1/2004	3,365	112.2	3365
2130	2004	12	December	12/1/2004	3,143	101.4	3042
2131	2005	1	January	1/1/2005	2,921	94.2	2827
2132	2005	2	February	2/1/2005	2,699	96.4	2892
2133	2005	3	March	3/1/2005	3,024	97.5	2926
2134	2005	4	April	4/1/2005	3,037	101.2	3037
2135	2005	5	May	5/1/2005	3,231	104.2	3127
2136	2005	6	June	6/1/2005	3,163	105.4	3163
2137	2005	7	July	7/1/2005	3,119	100.6	3018
2138	2005	8	August	8/1/2005	3,156	101.8	3054
2139	2005	9	September	9/1/2005	3,439	114.6	3439

- Datasets can also be a combination of many different sources, which can be filtered and combined to provide a unique collection data (a dataset) for use in Power BI.
- Filtering the data before bringing it into Power BI lets you focus on the data that matters to you.
- An important and enabling part of Power BI is the multitude of data connectors that are included. Whether the data is in excel or SQL database, in Azure or Oracle, Power BI has built in data connectors that lets you easily connect to that data.
- Once the dataset is there, can begin creating visualizations and gain insights.

2.6.3 Reports

- A collection of visualizations that appear together in one or more pages.

- In Power BI a report is a collection of items that are related to one another.



fifth page in a six-page report

- Reports let you create many visualizations, on multiple different pages if necessary and lets you arrange them in whatever way best tells your story.

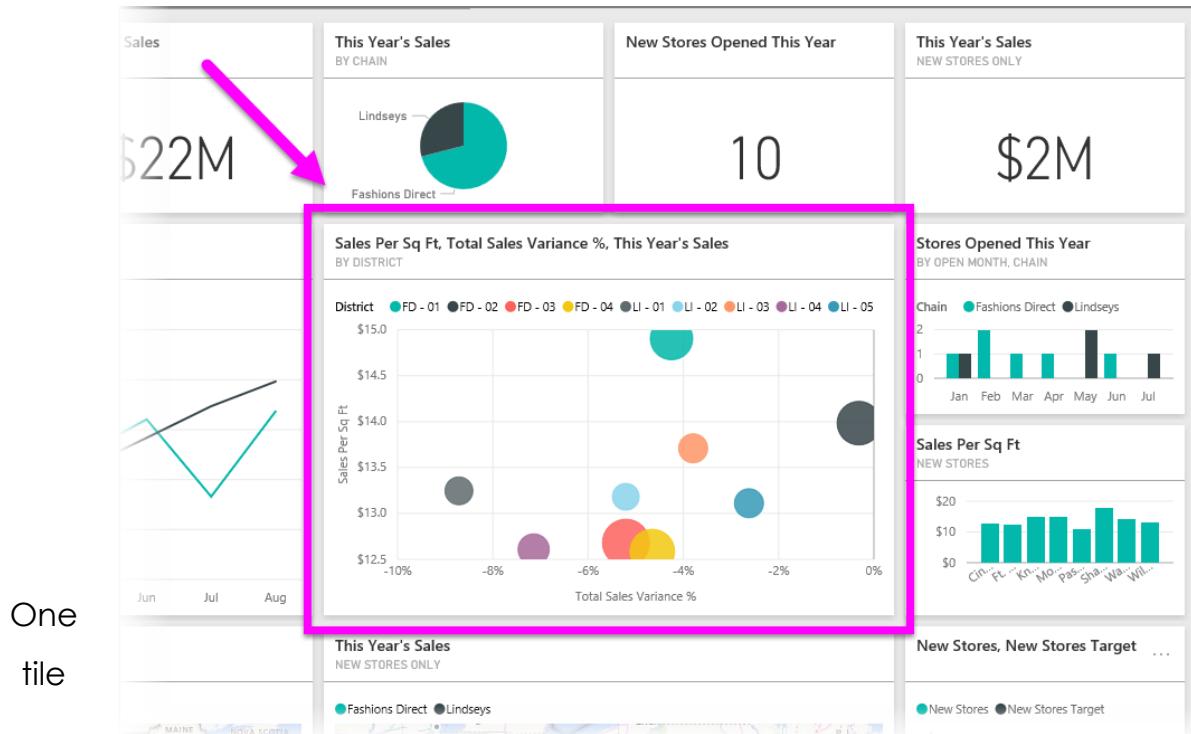
2.6.4 Dashboards

- Ready to share a single page from a report or a collection of visualizations, then you can create a dashboard.
- Power BI dashboard is a collection of visuals from a single page that can be shared with others.

- Provide quick insight into the data or store that are trying to be presented.
- A dashboard has to fit on a single page, often called a canvas, where you can use as a workspace to create, combine and rework interesting and compelling visuals.

2.6.5 Tiles

- A tile is a single visualization found in a report or a dashboard.

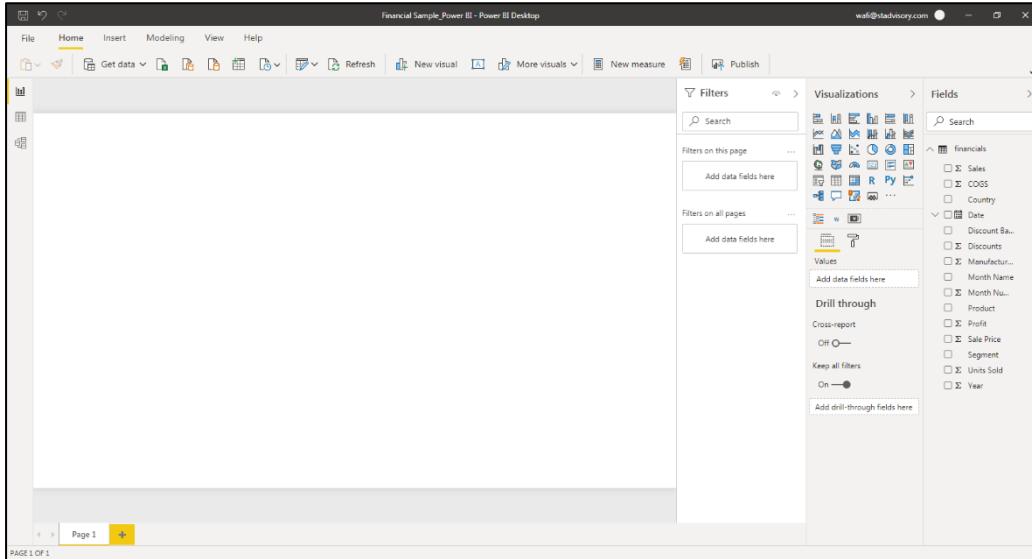


- When creating a report or a dashboard in Power BI, you can move or arrange tiles however you want to present the information.

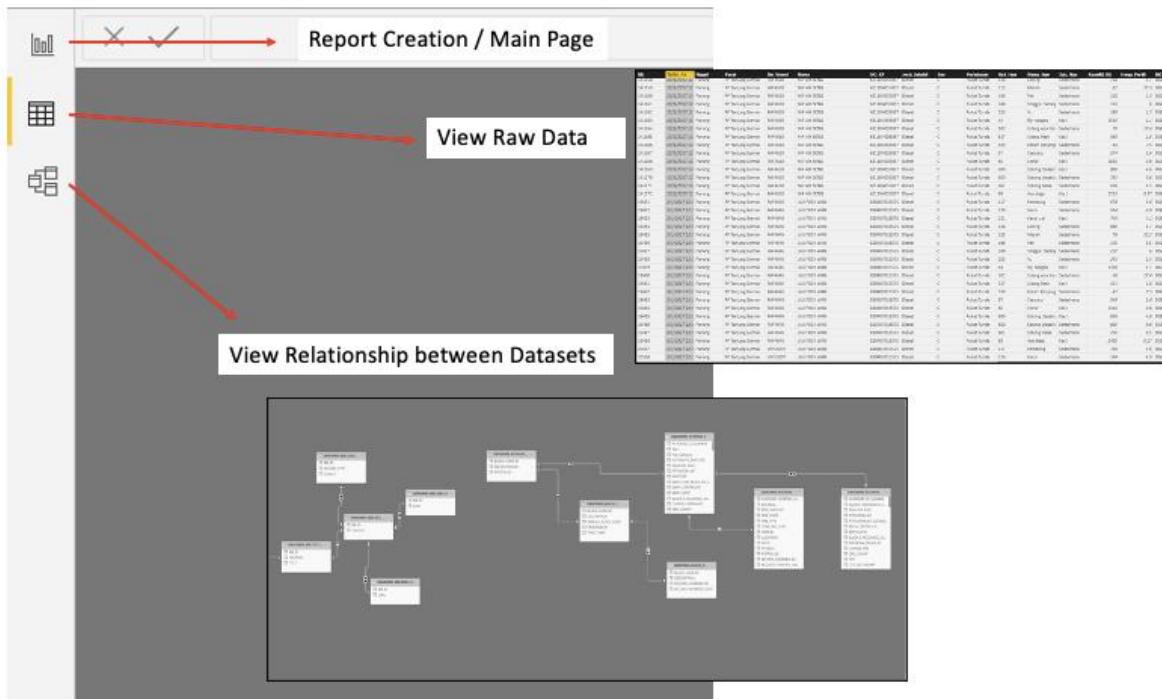
4.0 Power BI Canvas

Here are some snapshots of Power BI Interface:

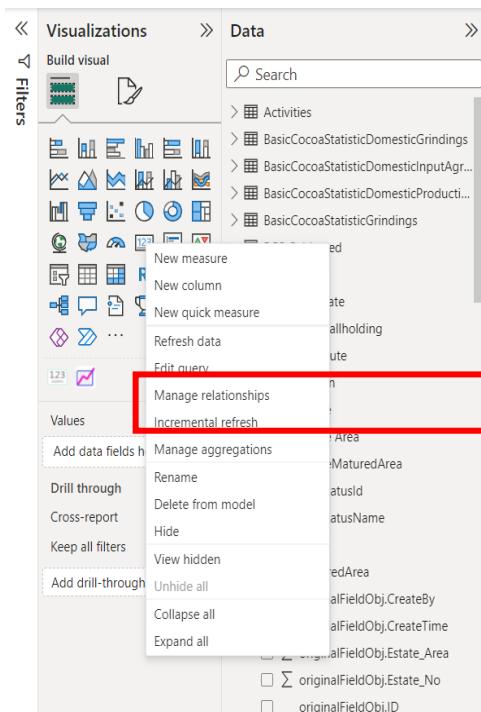
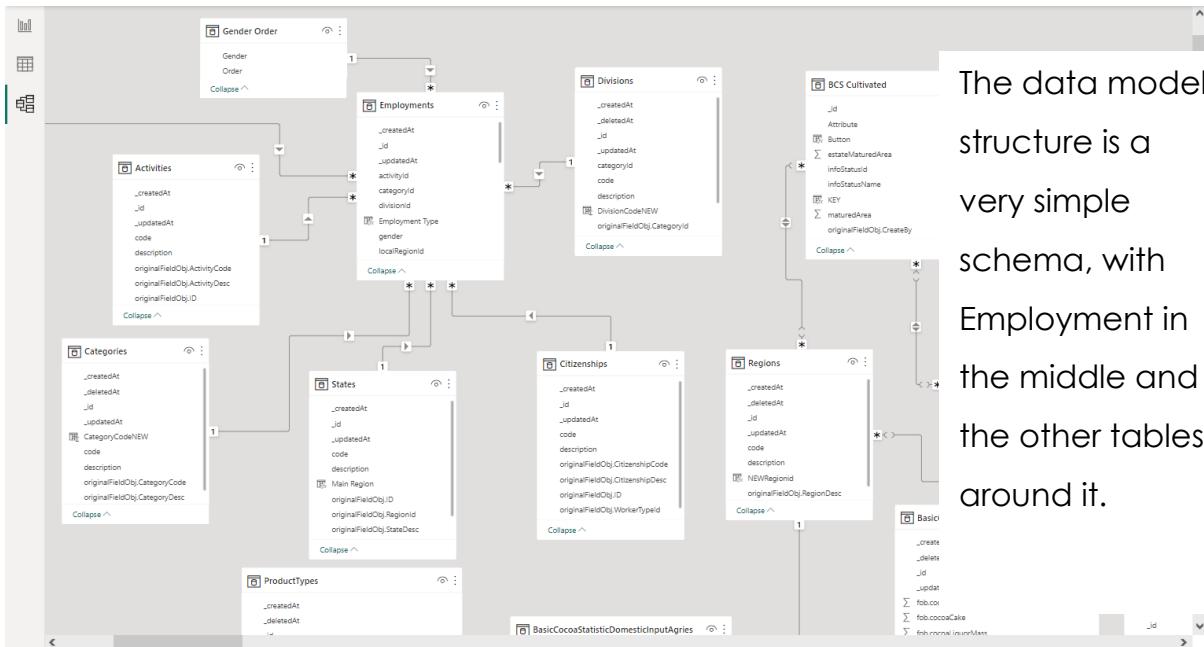
1. Main Page



2. Different View of Power BI



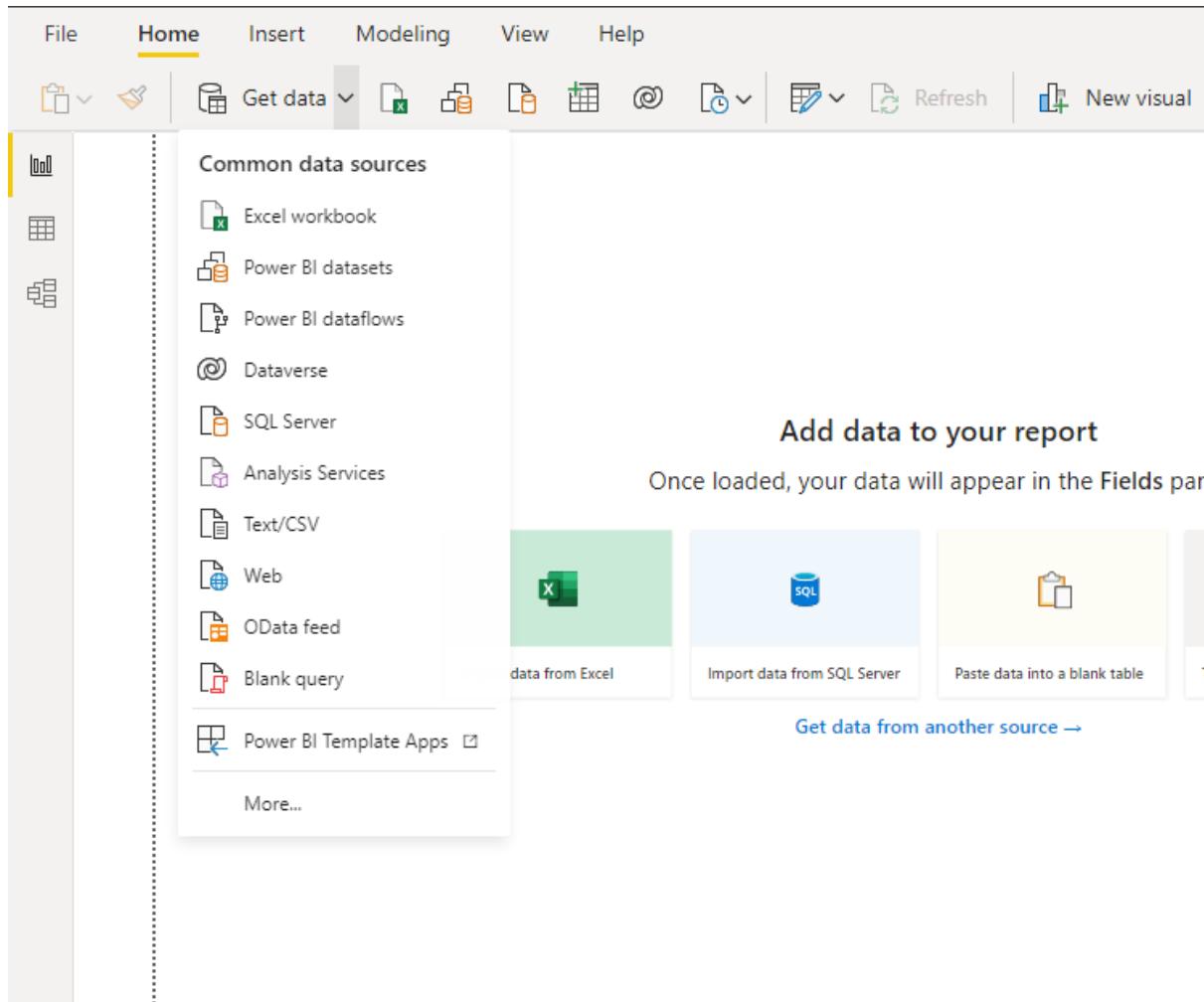
3. Data Relationship diagram



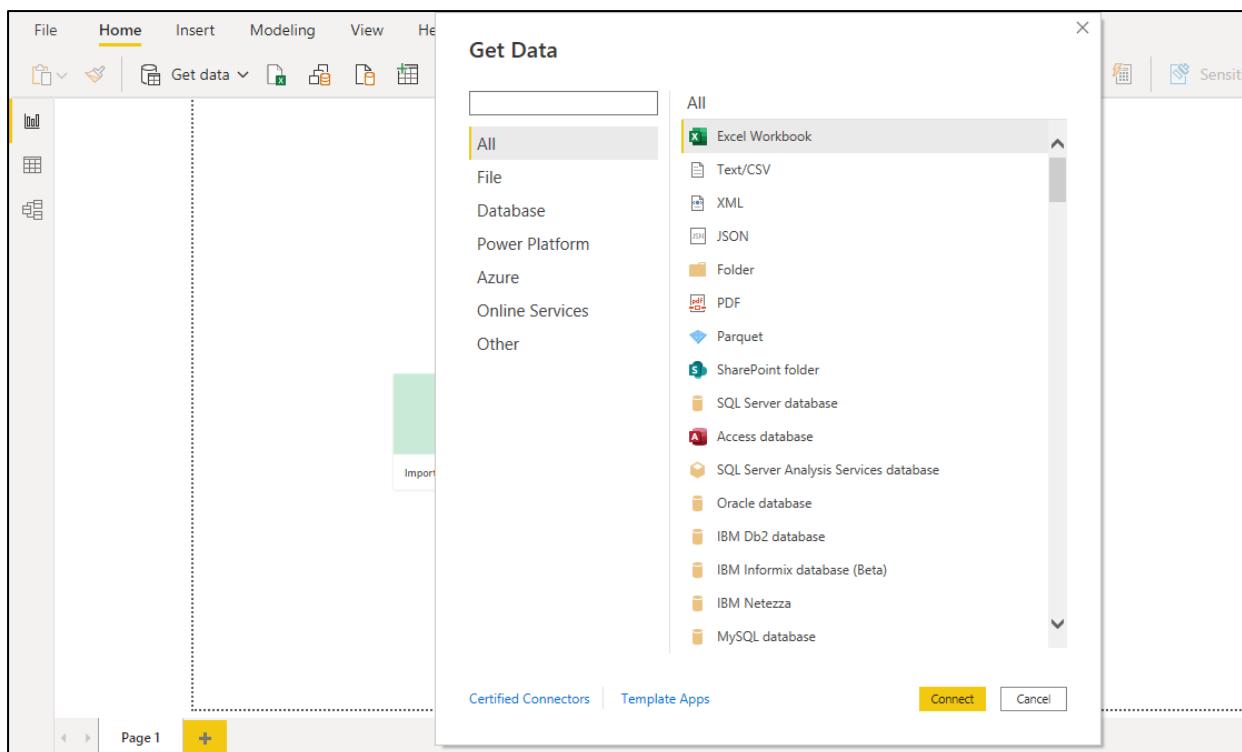
5.0 Connecting Data to Power BI

With Power BI Desktop, you can connect to data from many different sources. A full list of available data sources is at the bottom of this page.

To connect to data, select **Get Data** from the **Home** ribbon. Selecting the down arrow, or the **Get Data** text on the button, shows the **Most Common** data types menu shown in the following image:



Selecting **More...** from the **Most Common** menu displays the **Get Data** window. You can also bring up the **Get Data** window (and bypass the **Most Common** menu) by selecting the **Get Data icon button** directly.



5.1 Data Sources

Data types are organized in the following categories:

- All
- File
- Database
- Power BI
- Azure
- Online Services
- Other

The **All** category includes all data connection types from all categories.

The **File** category provides the following data connections:

- Excel
- Text/CSV
- XML
- JSON
- Folder

The **Power BI** category provides the following data connections:

- Power BI datasets
- Power BI dataflows

Data types are organized in the following categories:

- All
- File
- Database
- Power BI
- Azure
- Online Services
- Other

The **Database** category provides the following data connections:

- SQL Server Database
- Access Database
- SQL Server Analysis Services Database
- Oracle Database

The **Online Services** category provides the following data connections:

- SharePoint Online List
- Microsoft Exchange Online

The **Azure** category provides the following data connections:

- Azure SQL Database
- Azure SQL Data Warehouse
- Azure Analysis Services

The **Other** category provides the following data connections:

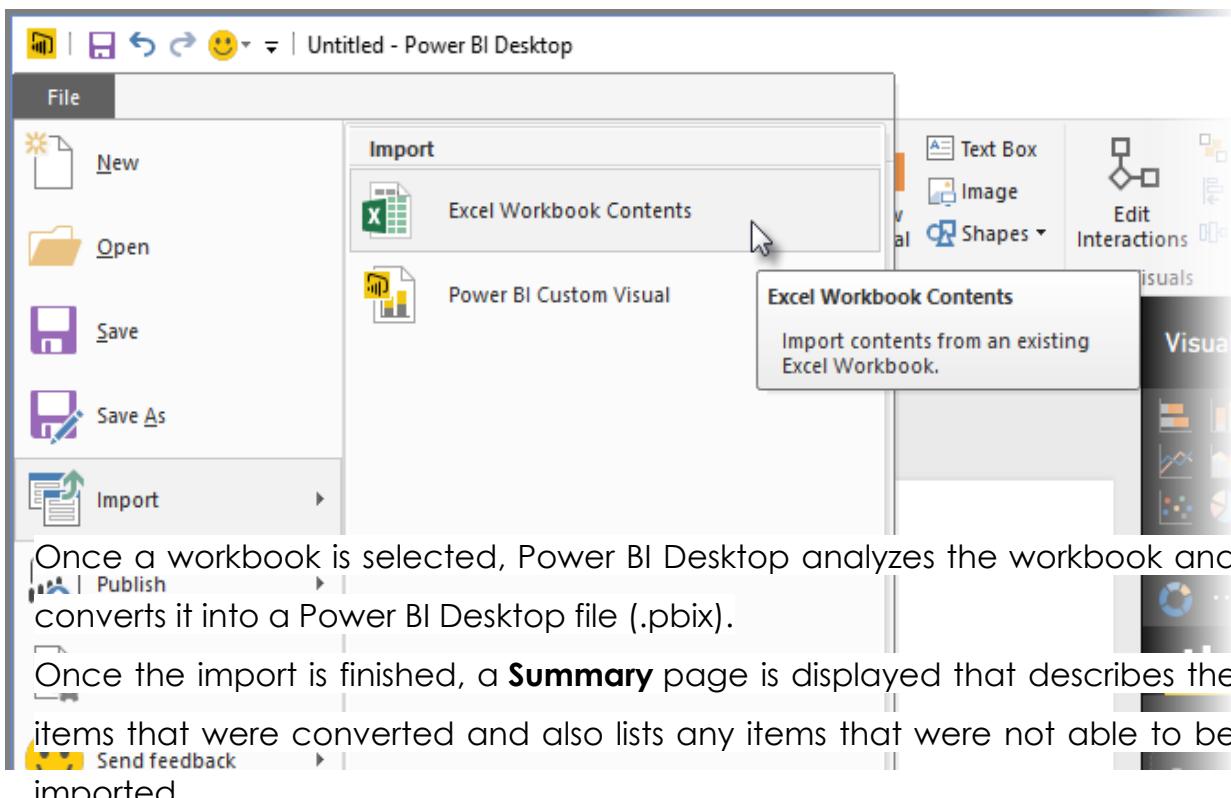
- Vertica
- Web
- SharePoint List
- OData Feed
- Active Directory
- Microsoft Exchange
- Hadoop File (HDFS)
- Spark
- R Script
- Python script

5.2 Import Excel workbo

To import a workbook

-> Import -> Excel

Workbook Contents.



Once a workbook is selected, Power BI Desktop analyzes the workbook and converts it into a Power BI Desktop file (.pbix).

Once the import is finished, a **Summary** page is displayed that describes the items that were converted and also lists any items that were not able to be imported.

Import Excel Workbook Contents

✓ Migration Completed

Queries (5 items)

- ✓ Categories
- ✓ Customers
- ✓ Order_Details
- ✓ Orders
- ✓ Products

When you select **Close**, the report is loaded in Power BI Desktop.

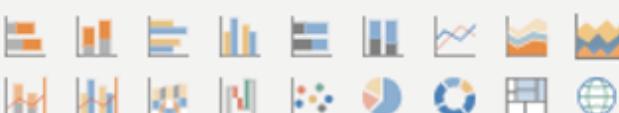
The following image shows Power BI Desktop after an Excel workbook was imported: Power BI Desktop automatically loaded the report based on the workbook contents.

A screenshot of the Power BI Desktop interface. The main area displays a "Sales Report" with two visualizations: a bar chart titled "Total_Sales by CategoryName" and a world map titled "Total_Sales by Country". The bar chart shows sales for categories like Bever., Dairy, Meat, Confe., Seafo., Condil., and Produ... The world map highlights sales in North America, Europe, South America, and Africa. A large watermark "SAMPLE" is overlaid across the center of the report. The top ribbon menu includes File, Home, and various data and visualization tools. The right side features the "Fields" pane, which lists imported tables: Categories, Customers, Order_Details, Orders, and Products. The bottom navigation bar shows "Power View1" and other options.

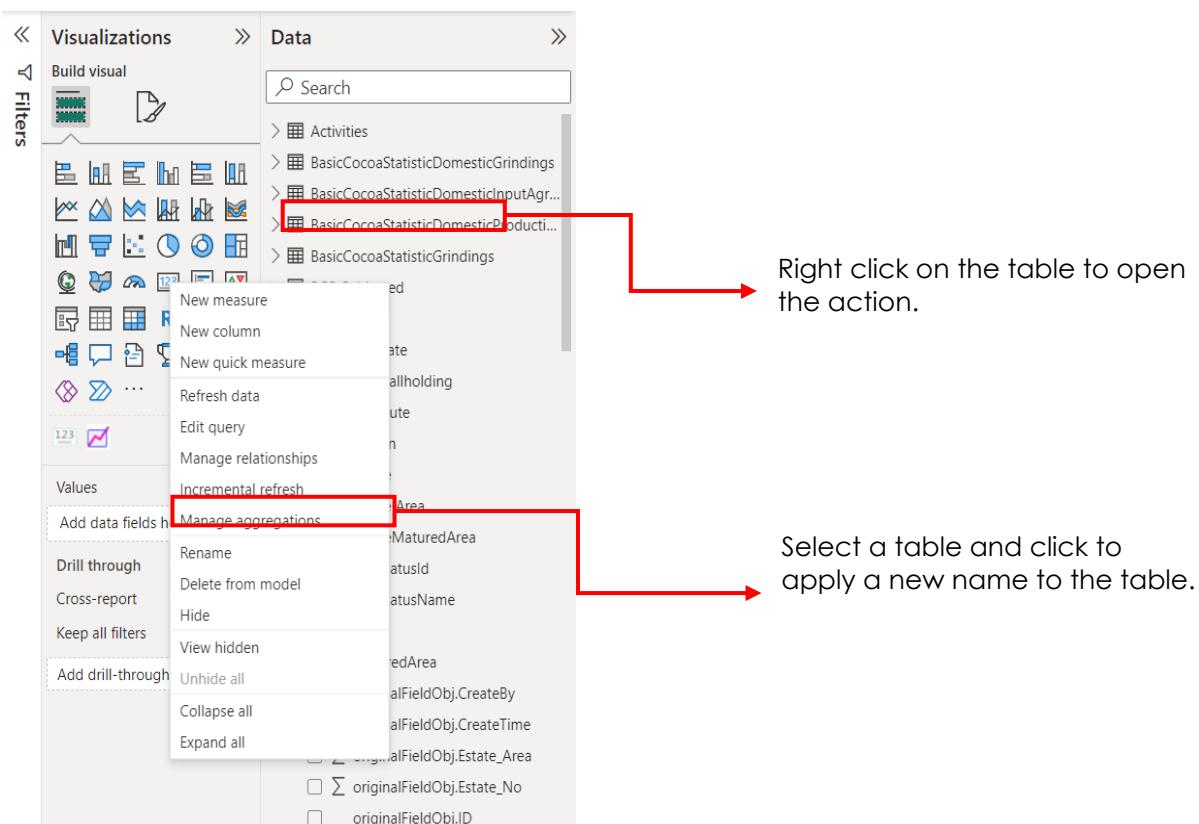
6.0 Visualization

6.1 Visualization pane and fields pane

Visualizations

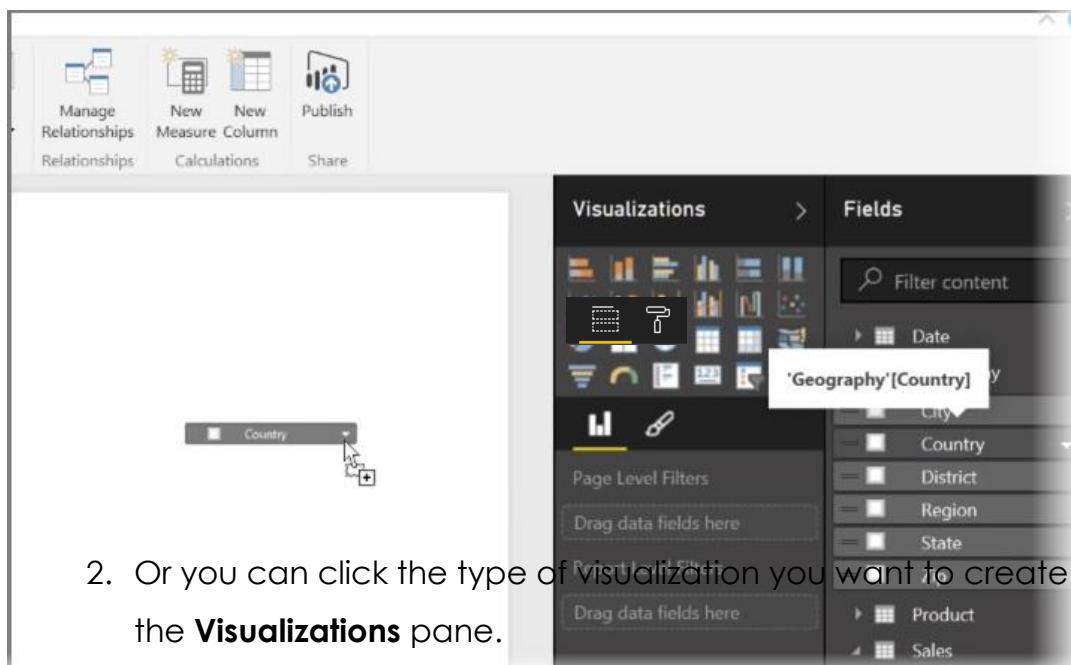


The chart types available in Power

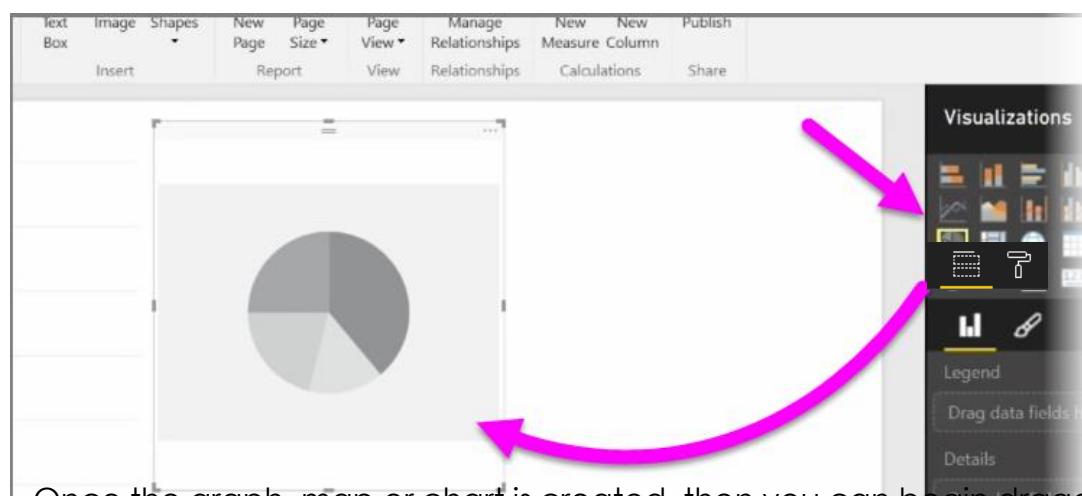


6.2 Creating and customizing simple visualizations

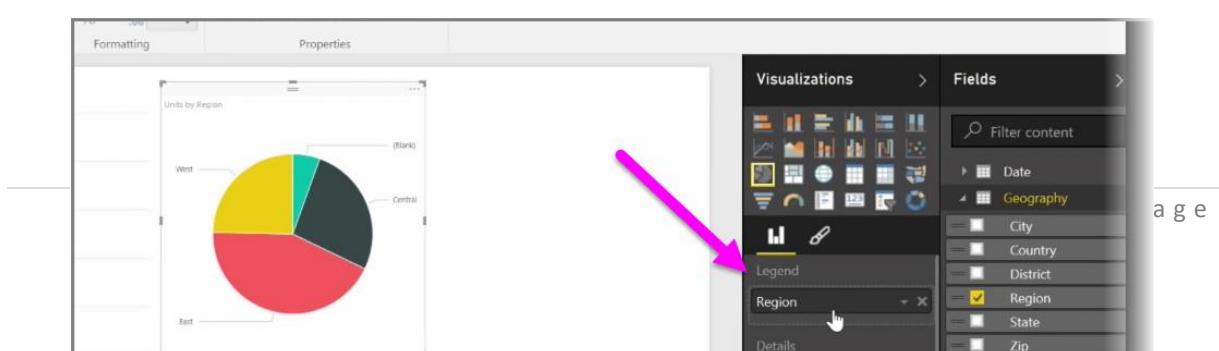
- Two (2) different ways to create a new visualization in Power BI Desktop:
 1. You can drag field names from the **Fields** pane and drop them on the report canvas.



2. Or you can click the type of visualization you want to create in the **Visualizations** pane.

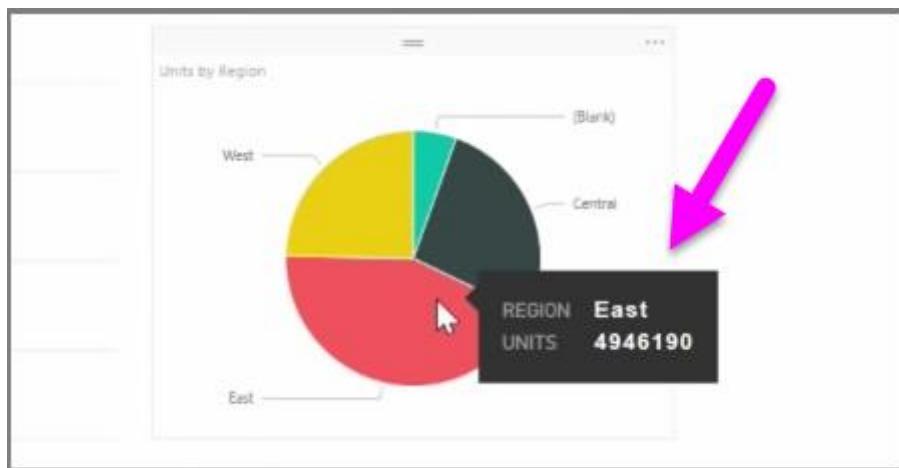


- Once the graph, map or chart is created, then you can begin dragging data fields onto the bottom portion of the **Visualizations** pane to build and organize your visual.





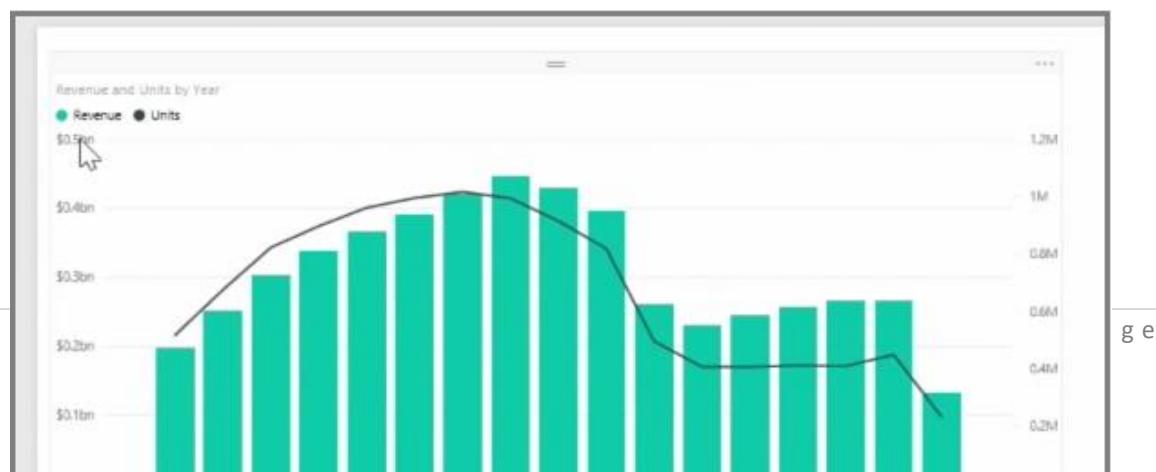
- Visualization can be resized and moved anywhere on the canvas.
- As you hover over the parts of your visualizations, you will get a **tooltip** that contain details about that segment, such as labels and total value.



- Select **paintbrush** icon on the **Visualizations** pane to make cosmetic changes to the visual such as background alignment, title text and data colors.

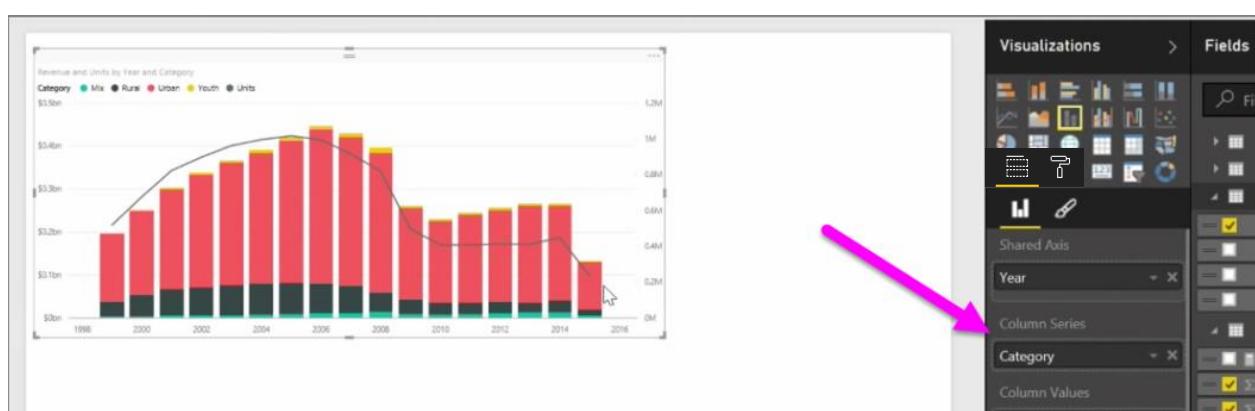
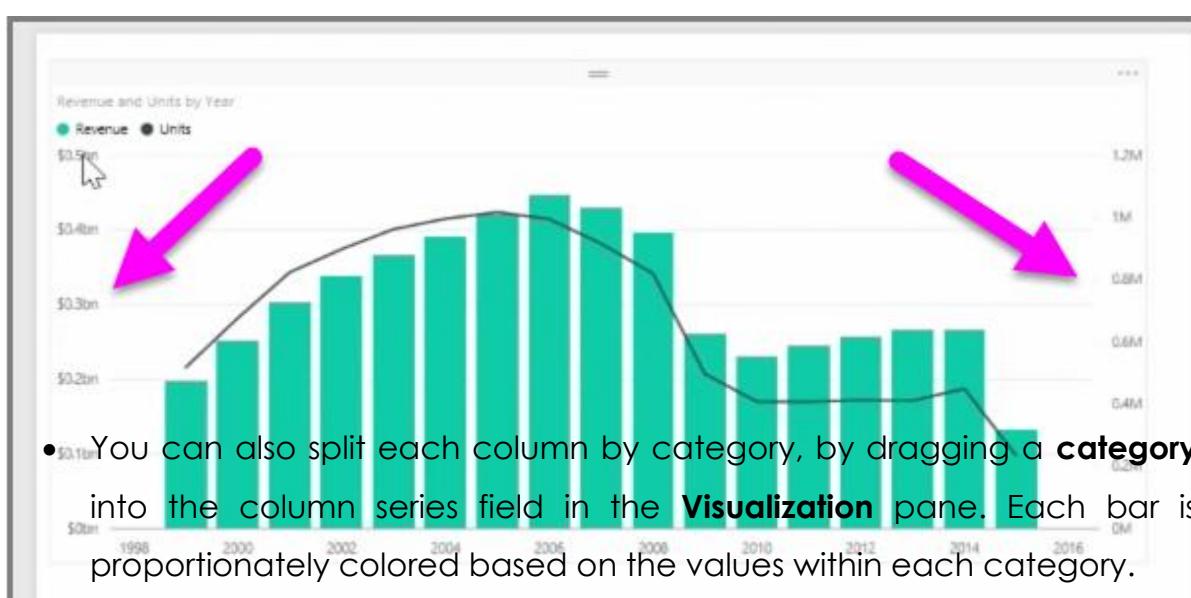
6.3 Combination Charts

- To visualize two measures that have different scales, such as revenue and units, a combining chart that shows a line and a bar with different axis scales is very useful.



Line and Stacked Columns chart

- When creating a combination chart, you are presenting a field for Shared Axis (the X-axis) and then values for the two fields, in this case a column and a tile. The two Y-axis legends appear on either side of the visualization.



6.4 Drill-down button

The drill-down button

When a visual has a hierarchy, you can drill down to reveal additional details. For example, you might have a visualization that looks at Olympic

6.5 Creating a table

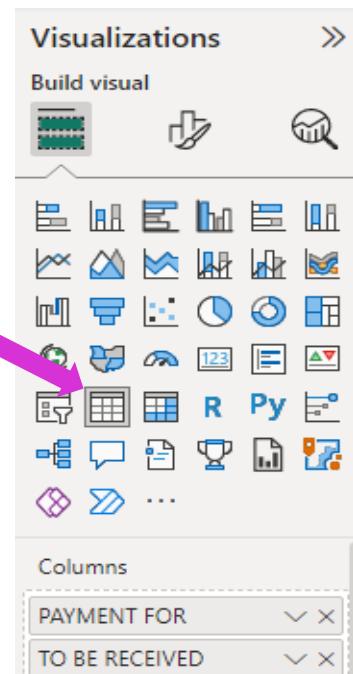
A table is a grid that contains related data in a logical series of rows and columns. It may also contain headers and a row for totals. Tables work well with quantitative comparisons where you are looking at many values for a single category. For example, this table displays 5 different measures for **Category**.

Category	This Year S...	Average Unit Price	Last Year Sales	This Year Sales	This Year Sales Goal
010-Womens	●	\$7.30	\$2,680,662	\$1,787,958	\$2,680,662
020-Mens	●	\$7.12	\$4,453,133	\$4,452,421	\$4,453,133
030-Kids	●	\$5.30	\$2,726,892	\$2,705,490	\$2,726,892
040-Juniors	●	\$7.00	\$3,105,550	\$2,930,385	\$3,105,550
050-Shoes	●	\$13.84	\$3,640,471	\$3,574,900	\$3,640,471
060-Intimate	●	\$4.28	\$955,370	\$852,329	\$955,370
070-Hosiery	●	\$3.69	\$573,604	\$486,106	\$573,604
080-Accessories	●	\$4.84	\$1,273,096	\$1,379,259	\$1,273,096
090-Home	●	\$3.93	\$2,913,647	\$3,053,326	\$2,913,647
100-Groceries	●	\$1.47	\$810,176	\$829,776	\$810,176
Total	●	\$5.49	\$23,132,601	\$22,051,952	\$23,132,601

Tables are a great choice:

- to see and compare detailed data and exact values (instead of visual representations)
- to display data in a tabular format
- to display numerical data by categories

1. To create a table go to **Visualization** pane and select **table**



The screenshot shows the 'Data' pane in Power BI. On the left, there's a 'Build visual' section with icons for grid, chart, and search. Below it is a large grid of visualization icons, with the 'Table' icon (a grid) highlighted by a pink arrow. At the bottom, there's a 'Columns' section with two columns: 'PAYMENT FOR' and 'TO BE RECEIVED'.

The 'Values' well on the right contains the following selected fields:

- Quantity (Tonne)
- value
- year
- yearNEW

2. Select **Quantity, Year, MonthName1** and **Value (RM)**

3. In the Visualizations pane, locate the **Values** well and drag-and-drop the values until the order of your chart columns matches the first image on this page. Your Values well should look like this.

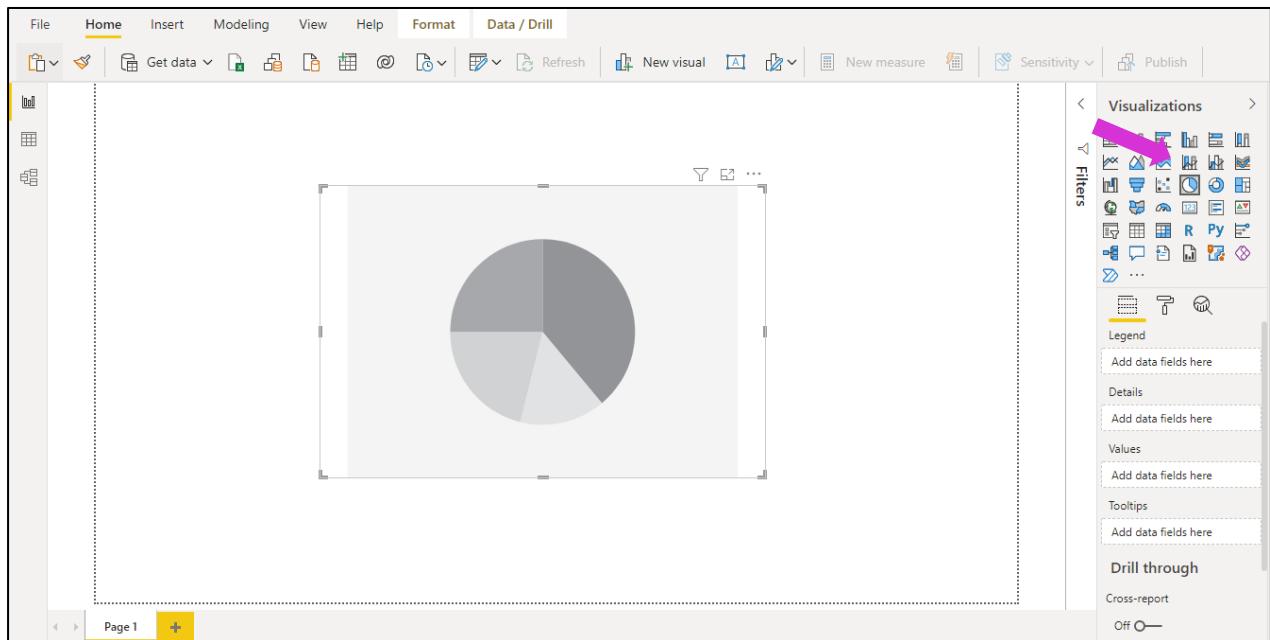


The screenshot shows the Microsoft Power BI canvas interface. At the top, there's a ribbon menu with Home, View, Modeling, Help, Format, Data / Drill, and various toolbars for clipboard operations, data entry, and visual creation. The main area displays a table visualization with three columns: 2.6 Kampong, 2.4 Jantina, and 2.7 Status. The data rows include: KAMPONG JERUDONG (Lelaki, Kahwin), KAMPONG JERUDONG (Perempuan, Kahwin), KAMPONG JUNJONGAN (Lelaki, Kahwin), KAMPONG KAPOK (Lelaki, Kahwin), KAMPONG KASAT (Lelaki, Kahwin), KAMPONG KATOK (Lelaki, Kahwin), KAMPONG KATOK A (Lelaki, Kahwin), KAMPONG KATOK A (Perempuan, Janda), KAMPONG KATOK B (Lelaki, Kahwin), KAMPONG KATOK B (Perempuan, Kahwin), KAMPONG KIANGGEH (Lelaki, Kahwin), KAMPONG KILANAS (Perempuan, Janda), KAMPONG KILANAS (Lelaki, Kahwin), KAMPONG KIULAP (Lelaki, Kahwin), KAMPONG KULAPIS (Lelaki, Kahwin), KAMPONG LAMBAK KANAN (Perempuan, Balu), KAMPONG LAMBAK KANAN (Lelaki, Kahwin), and KAMPONG LAMBAK KIRI (Lelaki, Kahwin). To the right of the table are two panes: 'VISUALIZATIONS' and 'FIELDS'. The 'VISUALIZATIONS' pane contains icons for various chart types. The 'FIELDS' pane lists fields categorized by value, filter, page level filter, and report level filter. Fields listed include 2.6 Kampong, 2.4 Jantina, 2.7 Status, 2.4 Jantina (All), 2.6 Kampong (All), 2.7 Status (All), 5.1, 5.2, 5.3, and 5.4.

Tables will look like this in power BI canvas

6.6 Creating a Pie Chart

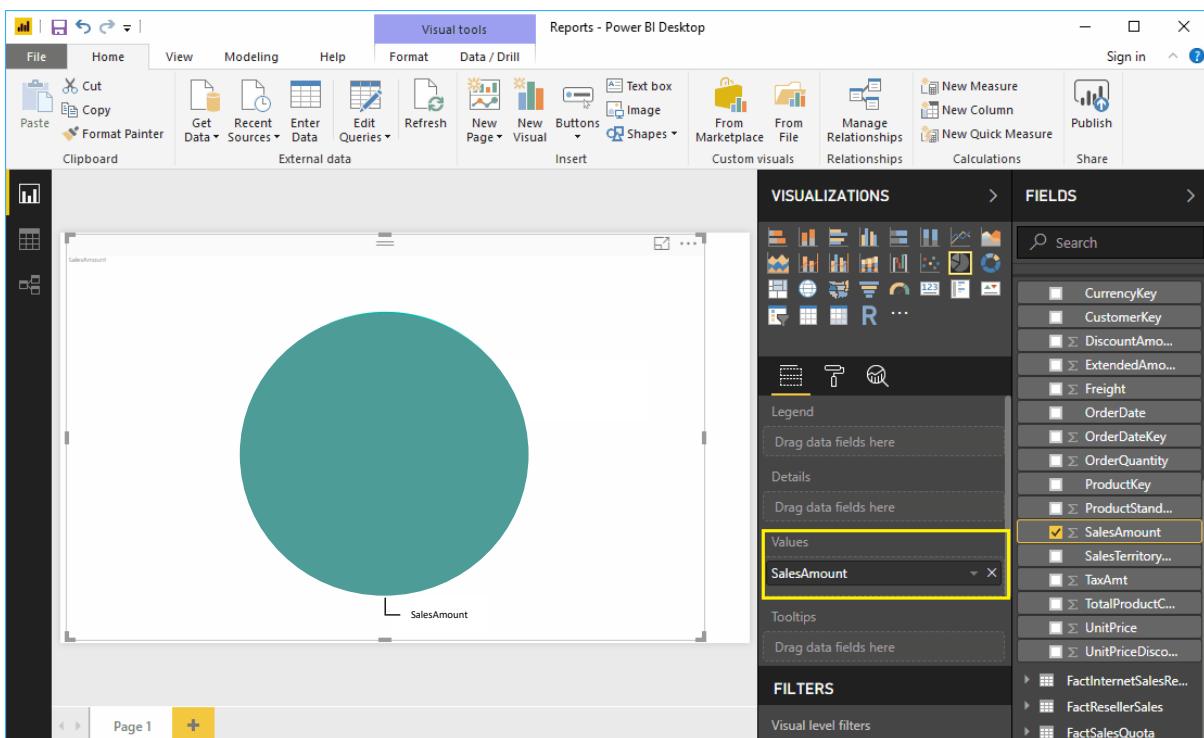
To create a pie chart go to **Visualization** pane and select **Pie chart**



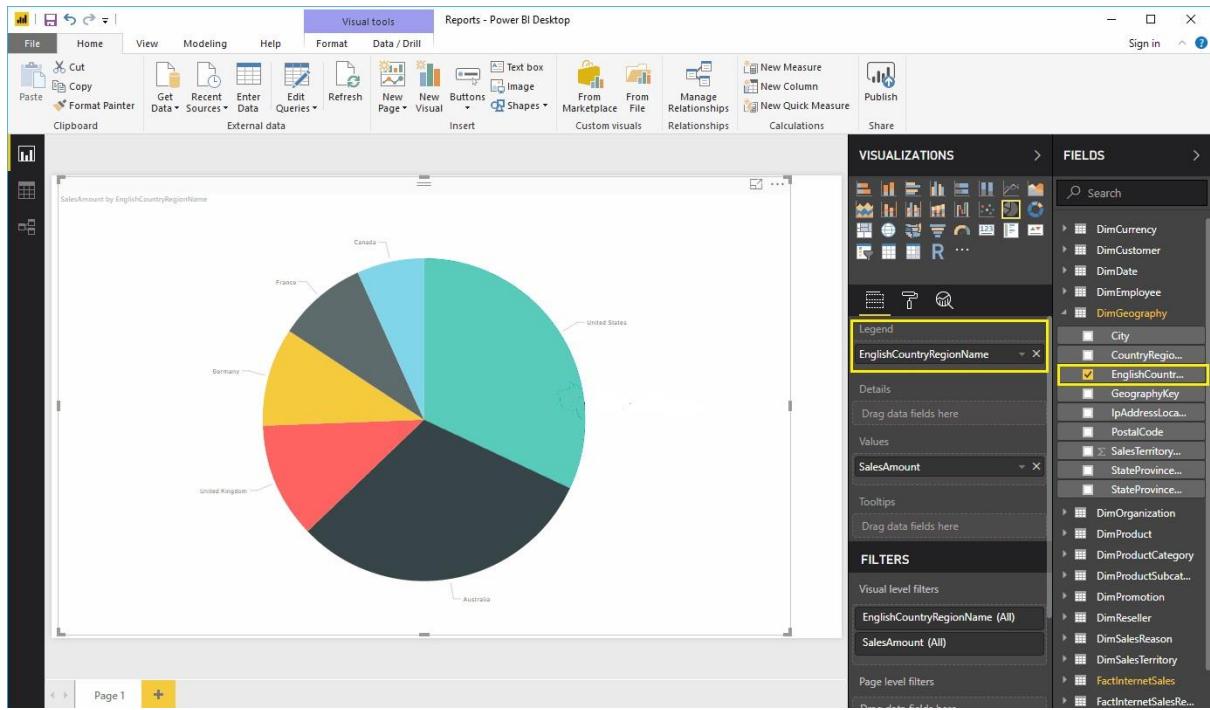
In order to add data to Pie Chart, we have to add required fields:

- **Legend:** Drag the column that you want to display as the legend.
- **Details:** Please specify the Column name on which you want to partition your Pie Chart. Values will split based on this field.
- **Values:** Any Numeric value such as sales amount, Total Sales, Customer count etc.

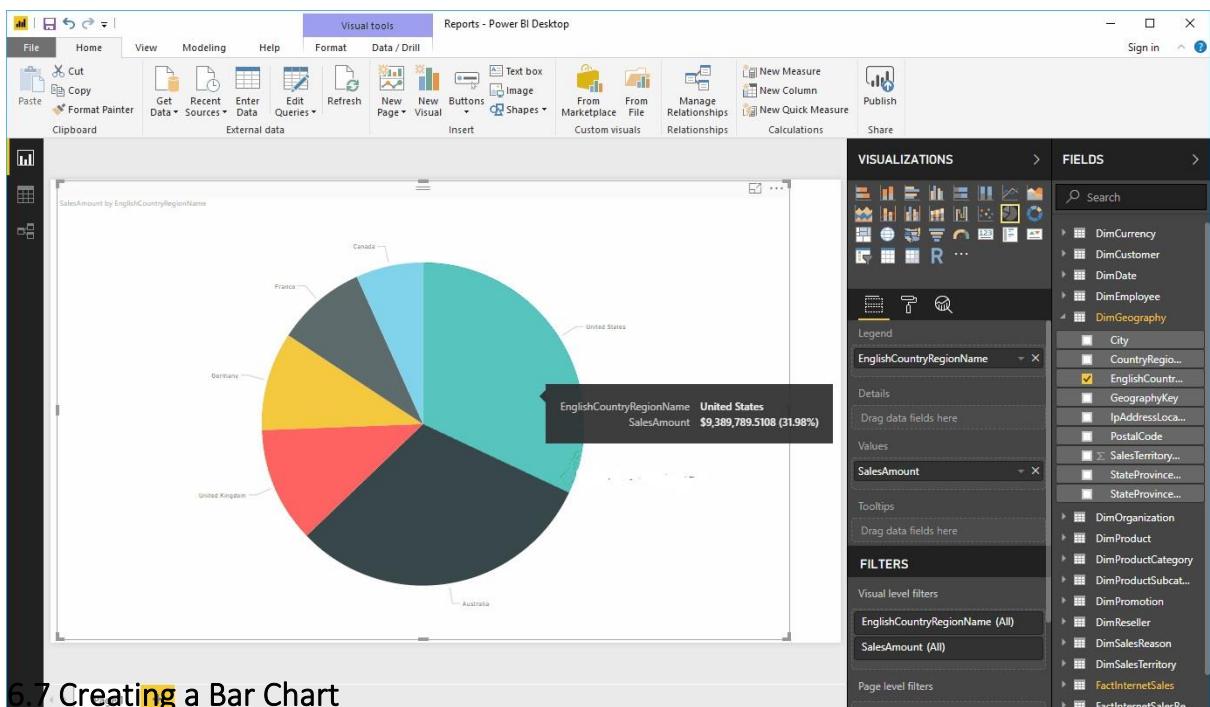
In this example, we will create Pie chart for Sales Amount by country Names.
So, Drag the Sales Amount column to Values field.



Next, check mark the **English Country Region Name**, or Drag and drop it to **Legend field** will automatically create a Pie Chart for you.



Hover over any slice will show you the Tool-tip of **Country Name** and Its **Sales Amount**.



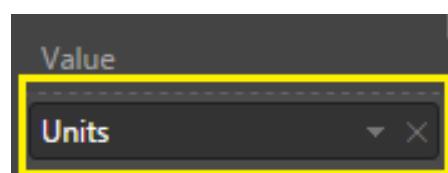
6.7 Creating a Bar Chart

To create a bar chart go to **Visualization** pane and select **Bar Chart**

Example: Prepare a chart for total sales done by a company by **region** and **item**.

Axis
Sales data by region, drag **region** to **Axis**, to drill-down the data by item, need to add **item** to **Axis field**

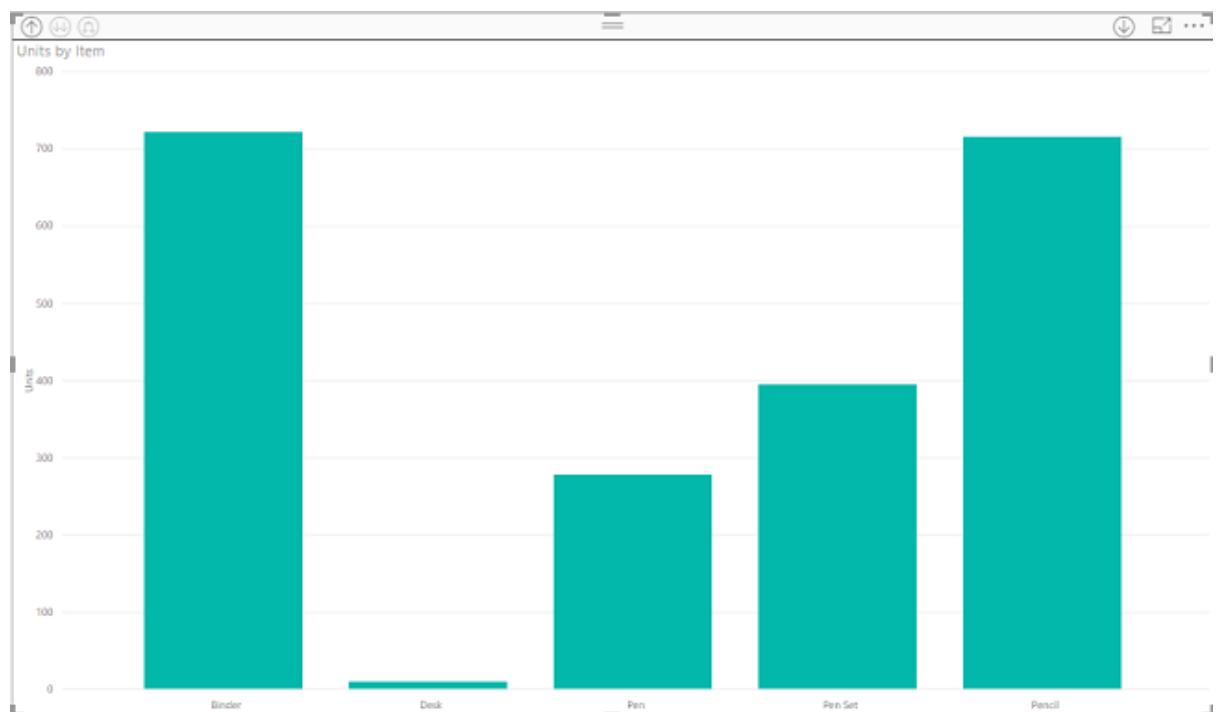
Here, these are the most important properties to create this chart.



Values
To show number of items sold in each region, add **units** in the **value field**.

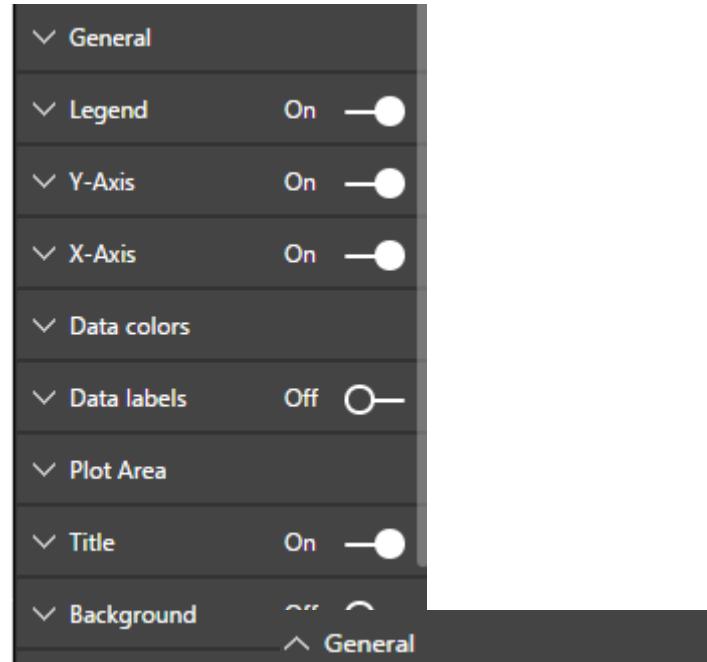
After adding Axis and Values, chart will look like this:

After drill-down:



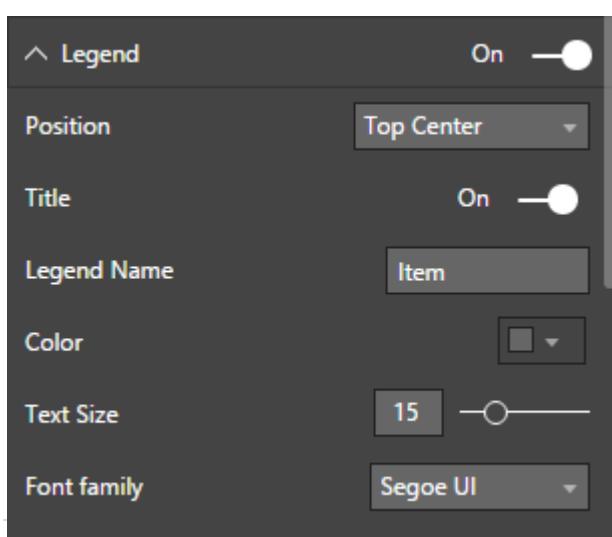
6.8 Design Elements

Provides the following functionality:



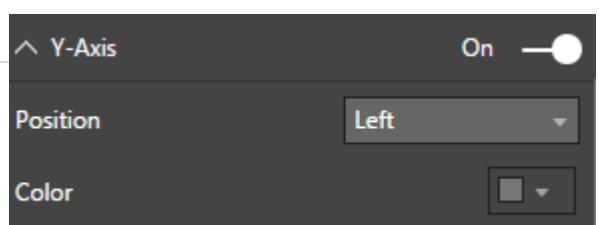
General

To set height, width, X and Y position, alternative text etc. Recently, it has got one preview feature, i.e., Responsiveness.



Legend

Let you change the legend settings, like its color, font, font size, position, and title.



Y-Axis

You can hide or show the Y-axis.

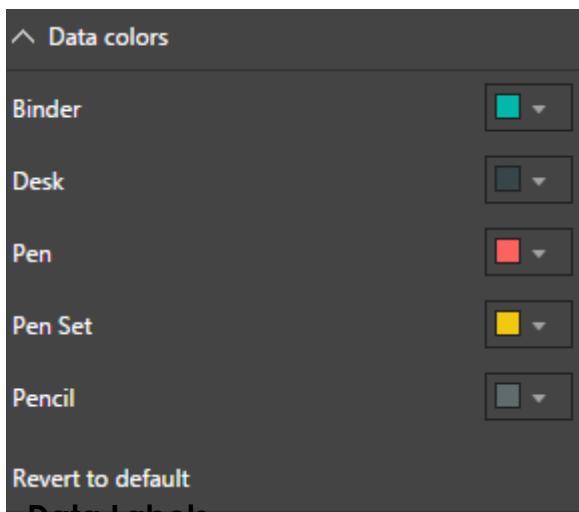
Here, you can also change the position of Y-axis to left or right.

We can also make formatting changes from here.

X-Axis

Here, you can hide or show the X-axis. Here, in Scale type, we have two options -

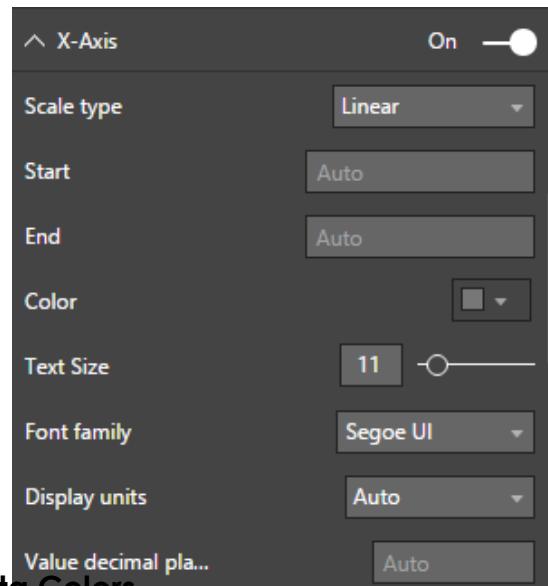
- Linear
- Scaler



To set the labels on bar, we can Switch-On this feature. If we enable the data label, it provides various formatting options.

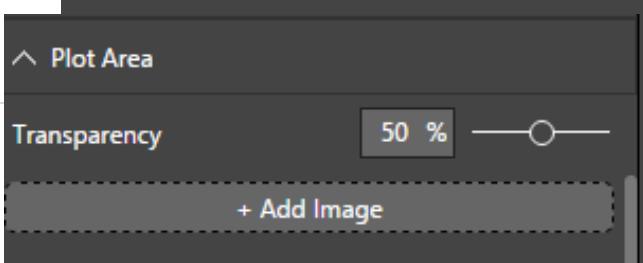
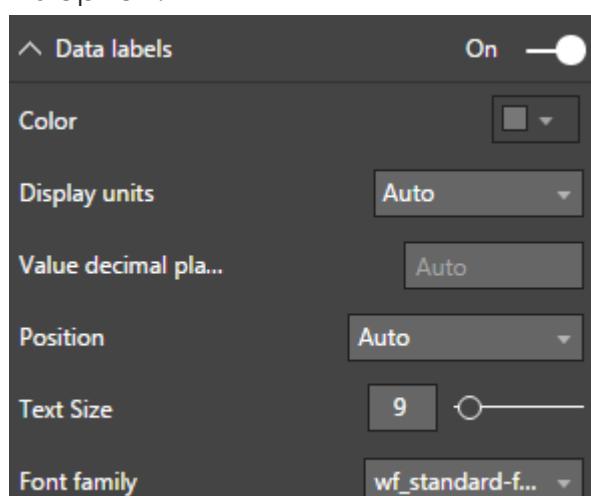
Plot Area

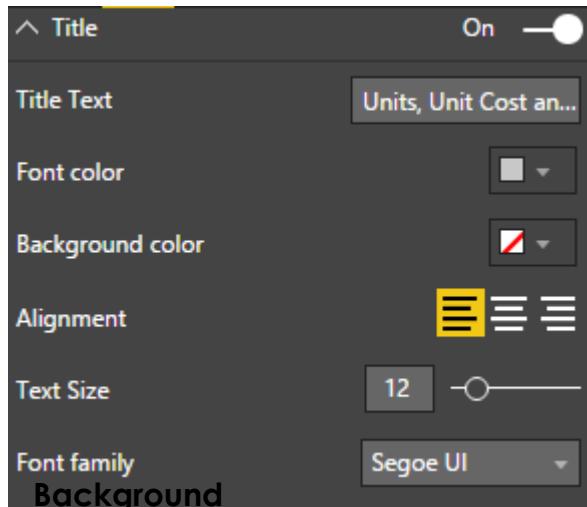
This setting has an option for transparency for background. We can set the background transparency from here.



Data Colors

Power BI automatically adds data colors when we are adding a visual. If we want to change the data colors, we can change those using this option.

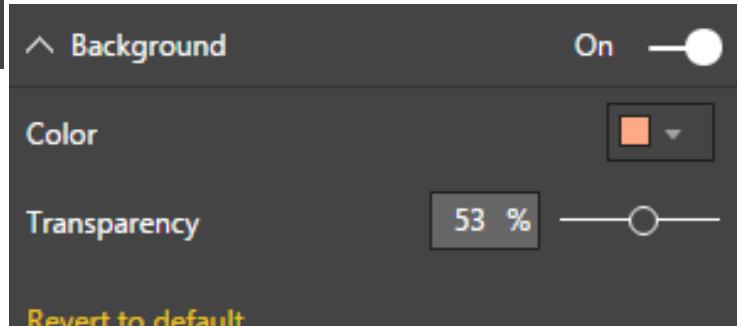




Using this option, we can set the background for our visual.

It provides two options.

- Background Color
- Transparency



Title

Using this option, we can show or hide the Title. If we want to change or format a title, we can do that just in a few clicks.

6.9 Filter types in the Filters pane

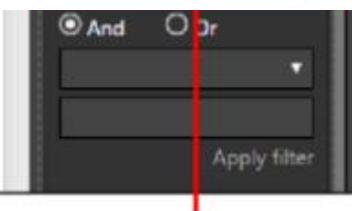
There are three (3) types of filters: page filter, visual filter and report filter.

The screenshot shows the 'Filters' pane in Power BI. It contains three main sections: 'Filters on this visual', 'Filters on this page', and 'Filters on all pages'. Each section has a red arrow pointing to its respective definition below it. The 'Filters on this visual' section contains a single filter for 'id' set to '(All)'. The other two sections have an 'Add data fields here' button.

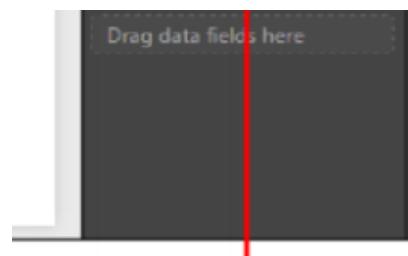
Visual-level filters Visual-level filters work on only an individual visualization, reducing the amount of data that the visualization can

Page-level filters Page-level filters work at the report-page level. Different pages in the same report can have different page-level filters.

Report-level filters A report-level filter works on the entire report, filtering all pages and visualizations included in the report.



Visual-level filters



Page-level filters

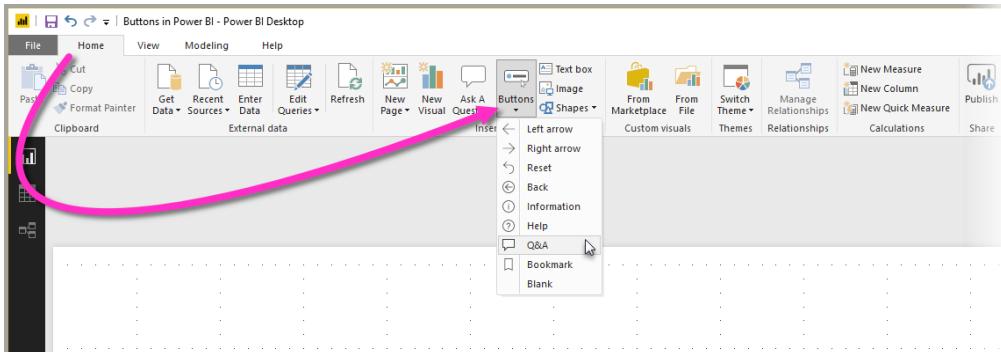
6.10 Trigger Action and Bookmark

Using **bookmarks** in Power BI help you capture the currently configured view of a report page, including filtering and the state of visuals, and later let you go back to that state by simply selecting the saved bookmark.

To use bookmarks,
select
the **View** ribbon,
then select the box
for **Bookmarks Pane**.

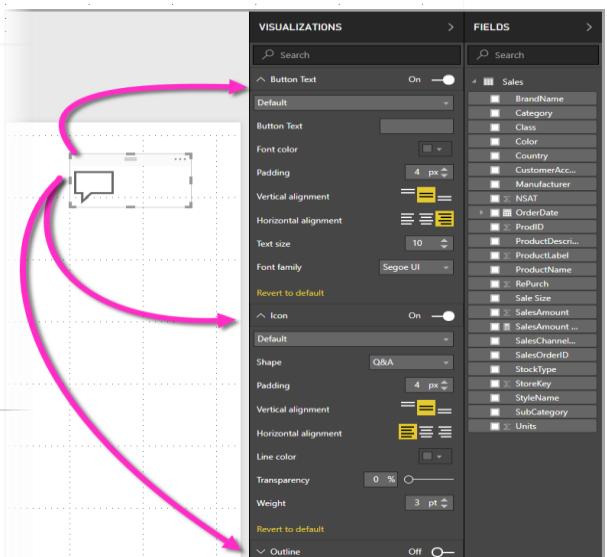
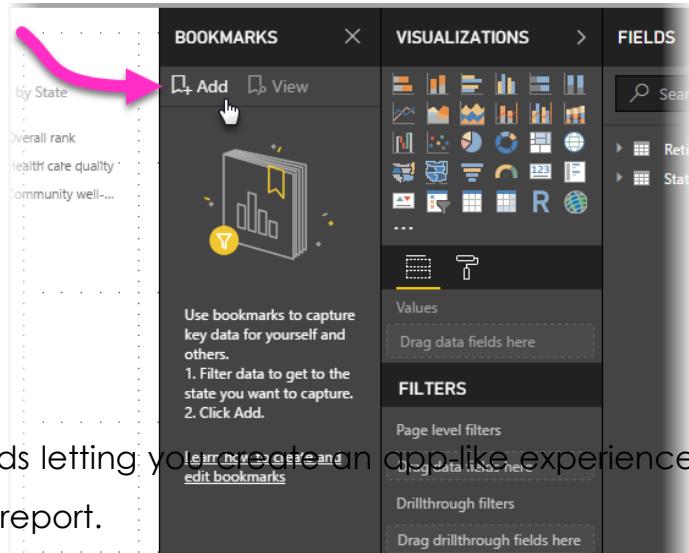
These buttons are geared towards letting you create an app-like experience with interactive elements in your report.

To create a button in a **Power BI Desktop** report, on the **Home** ribbon, select **Buttons** and a drop-down menu appears, where you can select the button you want from a collection of options, as shown in the following image.

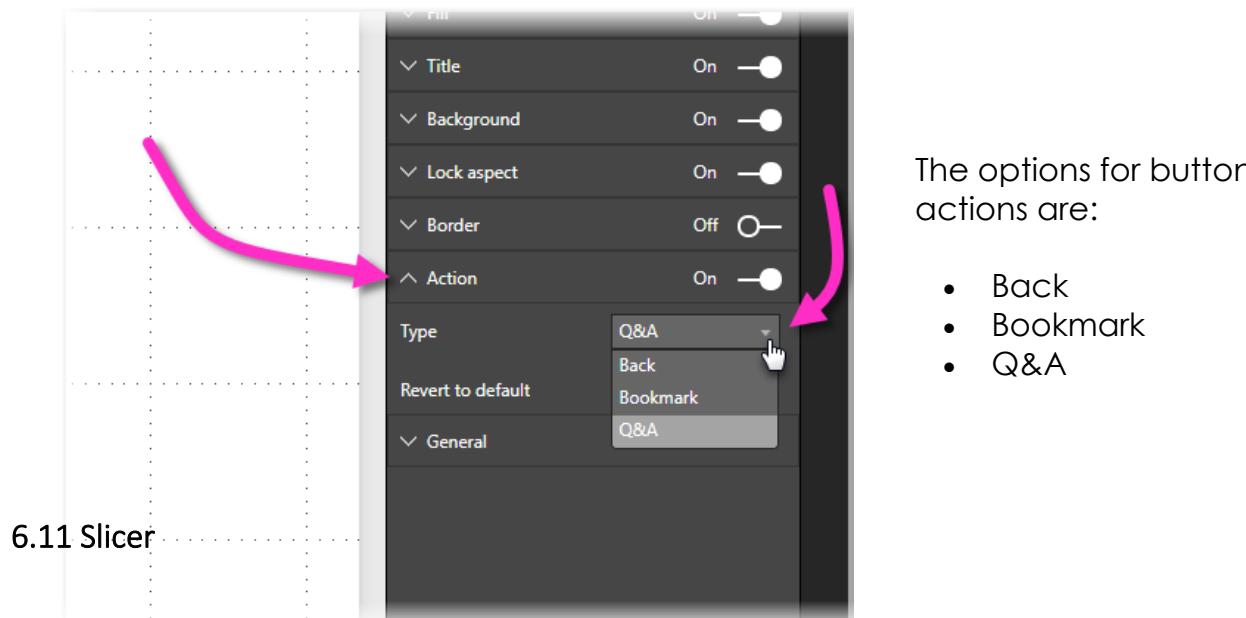


When you create a button and select it on the report canvas,
the **Visualizations** pane shows you the many ways you can customize the
button to fit your requirements.

You can also change the button's
icon, the button fill, the title, and
the action that's taken when users
click on the button in a report or
dashboard, among other
properties.



Select action for the button by going to the **action card**



6.11 Slicer

A slicer is an alternate way of filtering that narrows the portion of the dataset shown in the other visualizations in a report.

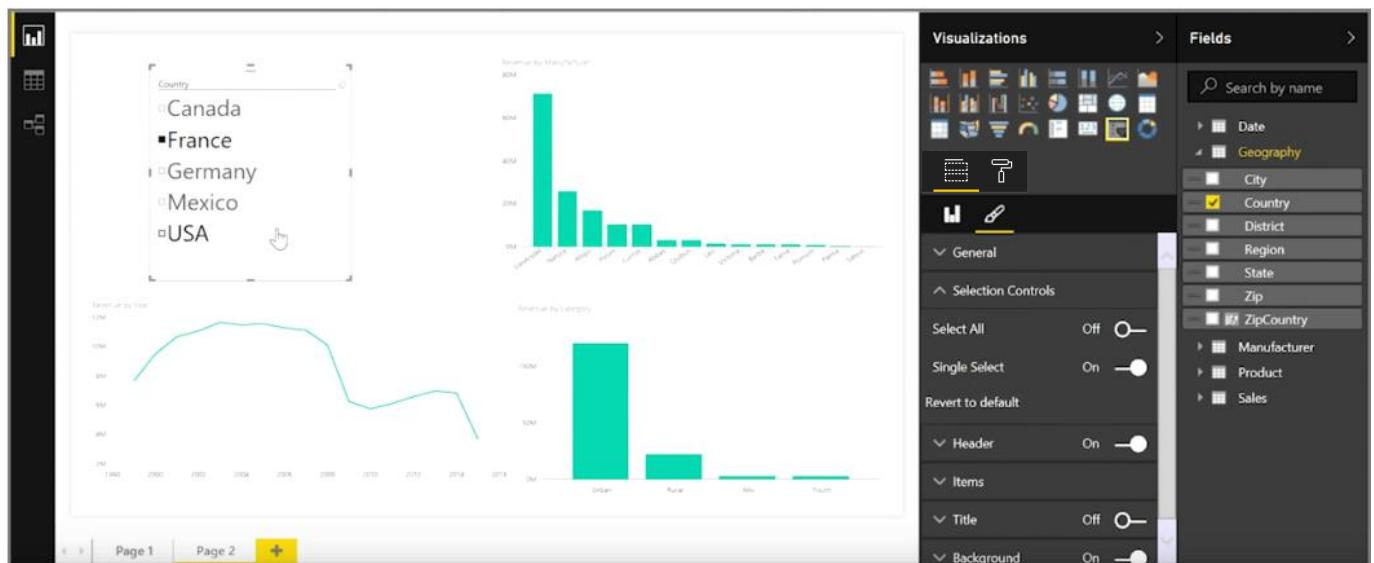
Slicers are a great choice when you want to:

- Display commonly-used or important filters on the report canvas for easier access.
- Make it easier to see the current filtered state without having to open a drop-down list.
- Filter by columns that are unneeded and hidden in the data tables.
- Create more focused reports by putting slicers next to important visuals.

To use slicer, select **Slicer** from the **Visualization** pane.

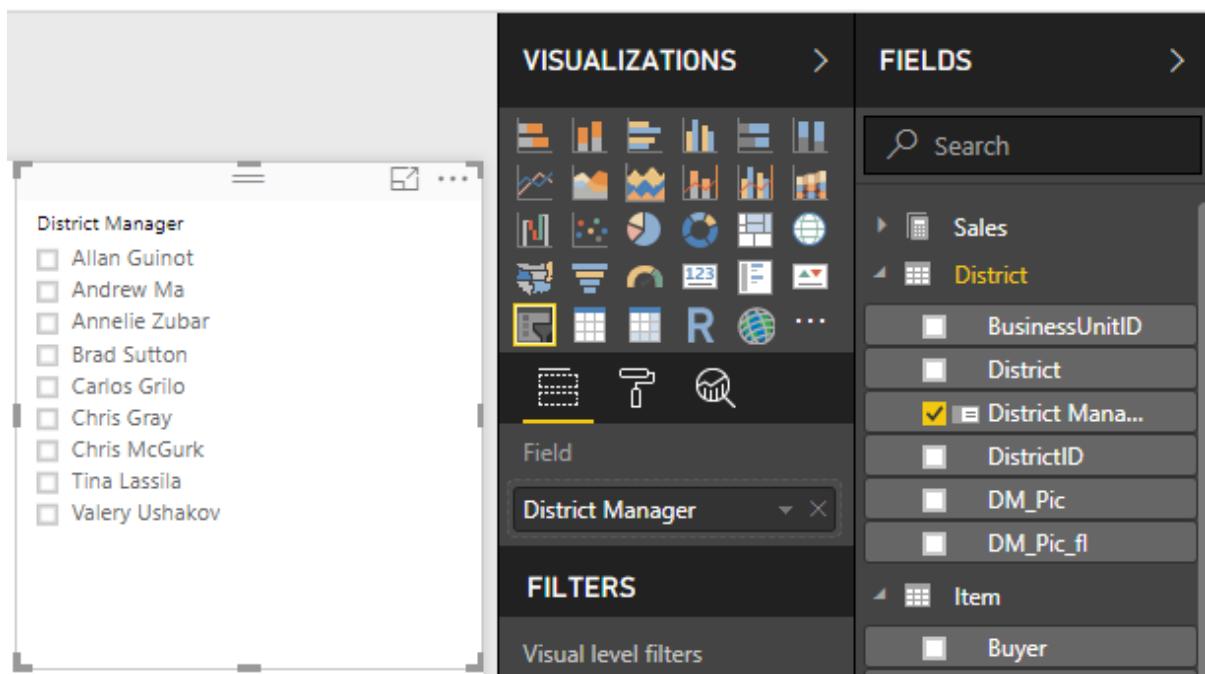


- Drag the field you want to slice and drop it top of the slicer placeholder.
- The visualization turns into a list of elements with checkboxes.
- You can format your slicer, to accept multiple input at once, or toggle Single Select mode to use one at a time.



6.11.1 To create a new slicer to filter data by District Manager (example)

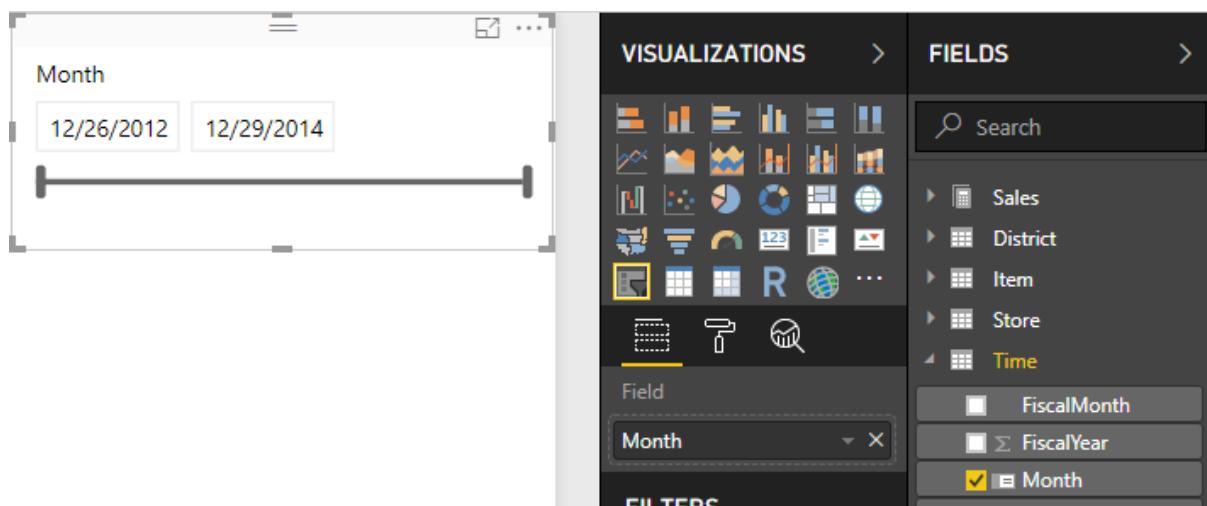
1. In Power BI Desktop or Power BI service, open the Retail Analysis Sample. (In Power BI service, select **Edit Report** at upper left).
2. On the **Overview** page, with nothing selected on the canvas, select the **Slicer** icon in the **Visualizations** pane to create a new slicer.
3. With the new slicer selected, select **District Manager** under **District** in the **Fields** pane to populate the slicer. The new slicer is a list with selection boxes before the names.



4. Resize and drag the slicer and other elements on the canvas to make room for the slicer. Note that the slicer items are cut off if you resize the slicer too small.
5. Select names on the slicer and note the effects on the other visualizations on the page. Select names again to deselect them and hold down the **Ctrl** key to select more than one name. Selecting all names has the same effect as selecting none.

6.11.2 To create a new slicer to filter data by date range

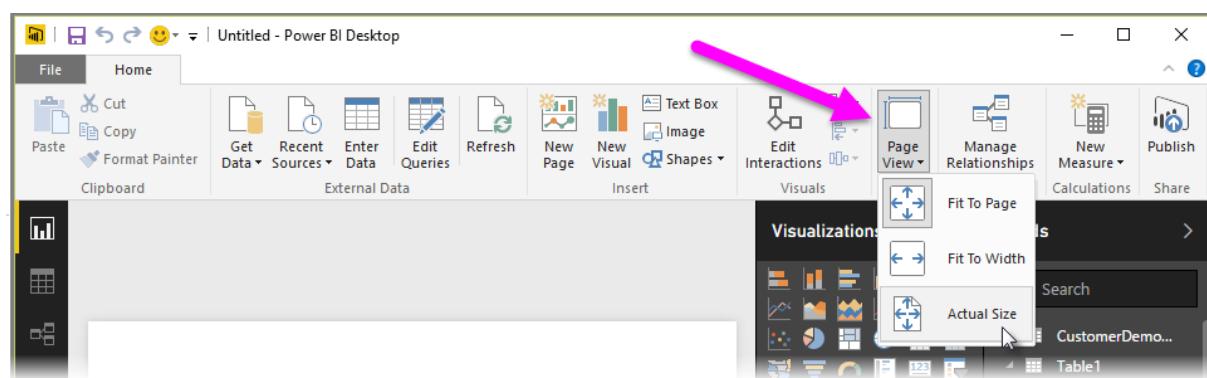
1. With nothing selected on the canvas, drop down **Time** in the Fields pane, and drag **Month** (or **Date** in Power BI service) to the **Values** box in the Visualizations pane to create a new visualization.
2. With the new visualization selected, select the **Slicer** icon to convert the new visualization to a slicer. This slicer is a slider control with the date range populated.



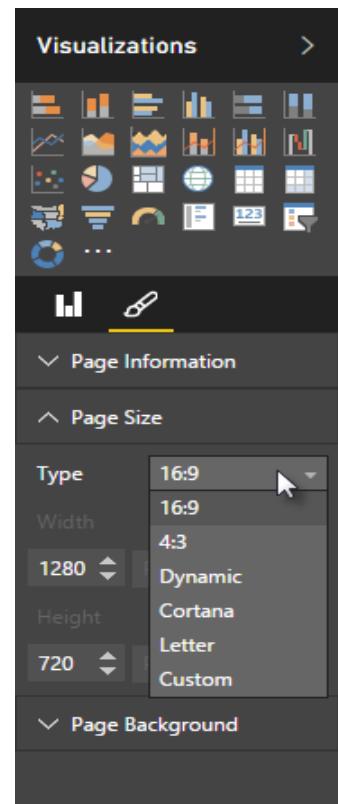
3. Resize and drag the slicer and other elements on the canvas to make room for the slicer. Note that the slider resizes with the slicer size, but it disappears, and the dates are cut off if you resize the slicer too small.
4. Select different date ranges with the slider or select a date field to type in a value or pop up a calendar for more precise selection. Note the effects on the other visualizations on the page

7.0 Page layout and formatting

- Use the Page View menu from the Home tab to change the way your report pages scale. The available options include Fit To Page (default), Fit To Width and Actual Size.

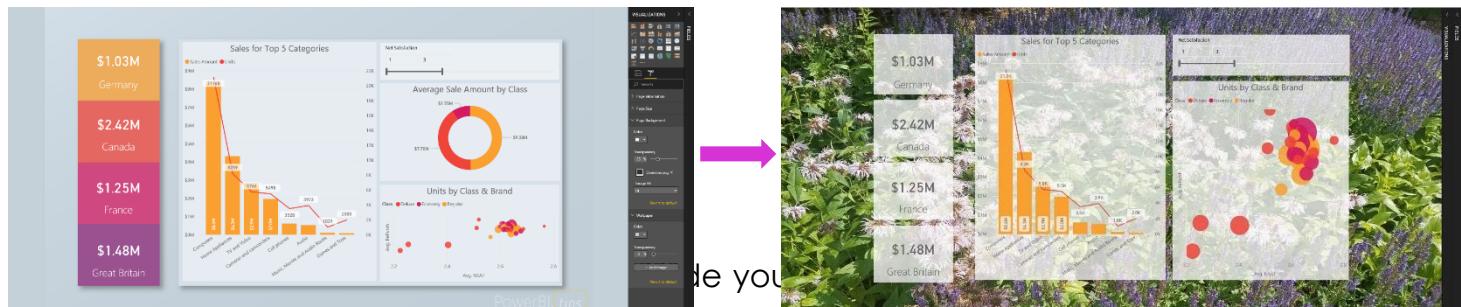


- You can also change the pages size itself. By default, report pages are 16:9.
- To change the page size, when no visual are selected, select the paintbrush icon in the Visualization pane and then select Page Size to expand that section.
- You can also specify a custom page size, setting the size by inches or pixels and change the background color of the entire report.

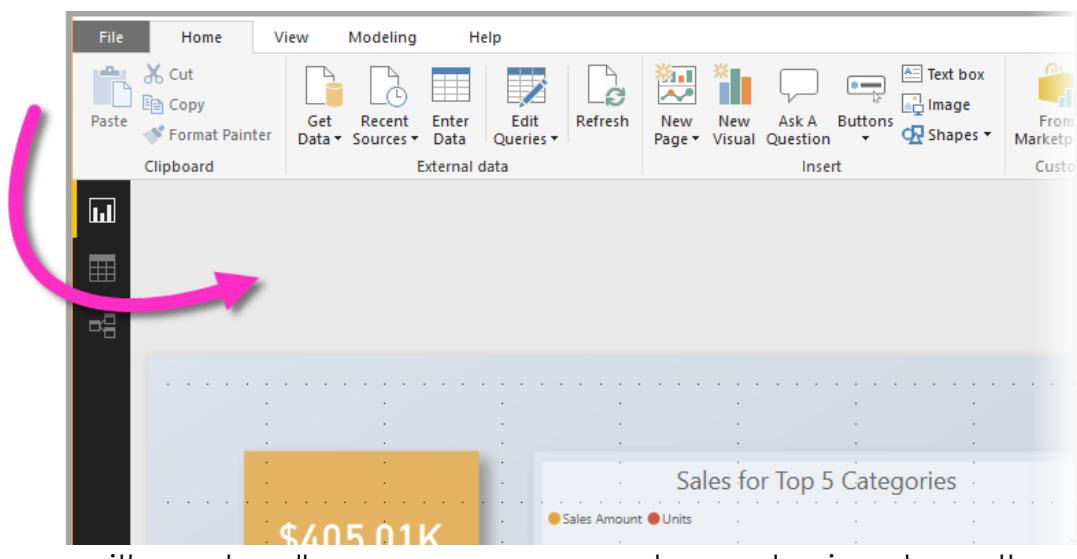


7.1 Wallpaper Formatting

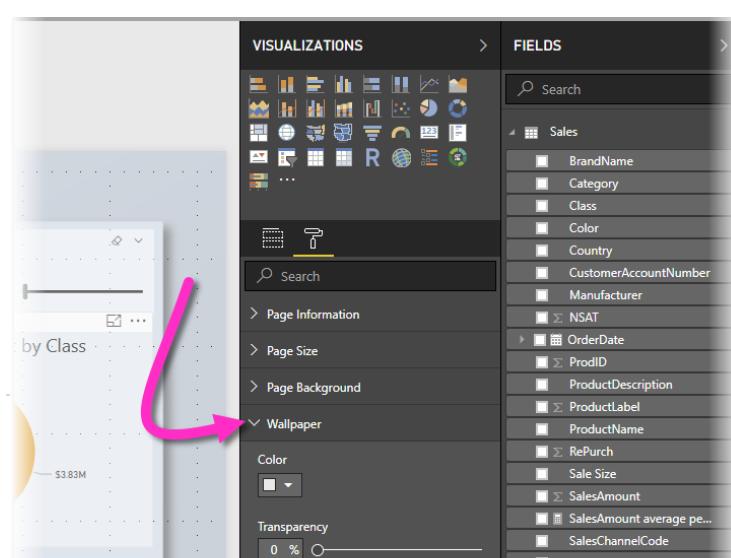
This feature lets you theme the entire report area and gives it a more cohesive feel.



following image has an arrow that clarifies where the wallpaper area applies.



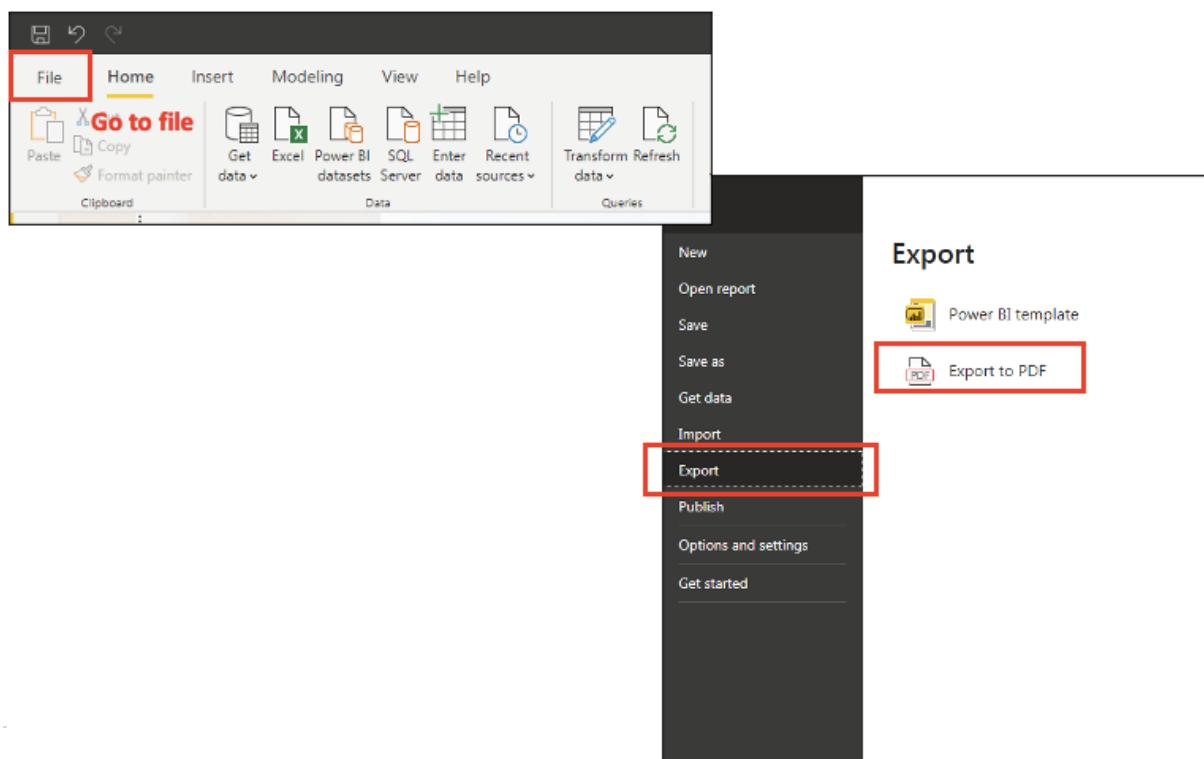
You can either set wallpaper on a per-report-page basis or have the same wallpaper for every page in your report. To set your wallpaper, tap or click the **Formatting** icon when no visual is selected in your report and the **Wallpaper** card appears in the pane.



You can choose a color to apply as **wallpaper** by selecting the **Color** dropdown, or you can select the **Add Image** button to select an image to apply as wallpaper. You can also apply transparency to your wallpaper, whether it's a color or an image, using the **Transparency** slider.

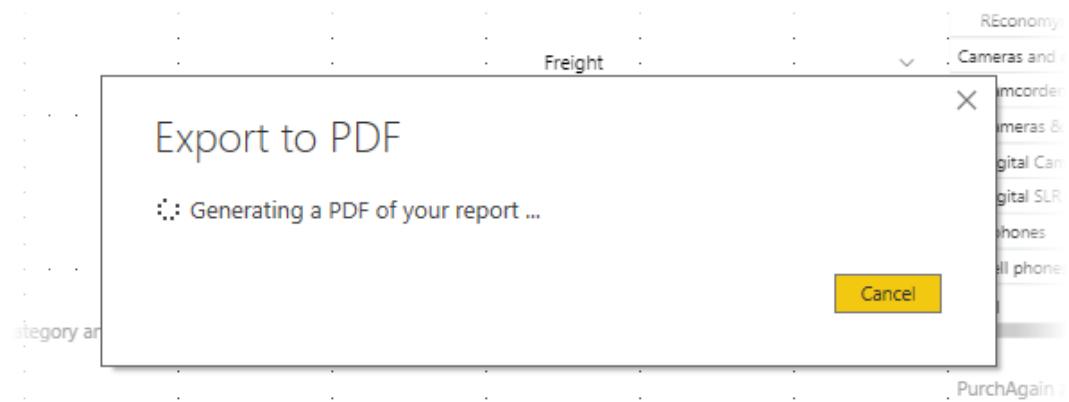
8.0 Export reports to PDF

In **Power BI Desktop**, you can export reports to a PDF file, and thereby easily share or print your reports from that PDF.



Simply select **File > Export to PDF** from Power BI Desktop.

The **Export to PDF** process will export all visible pages in the report, with each report page exporting to a single page in the PDF. Report pages that are currently not visible, such as any tooltips or hidden pages, are not exported to the PDF file.



9.0 Publish to web

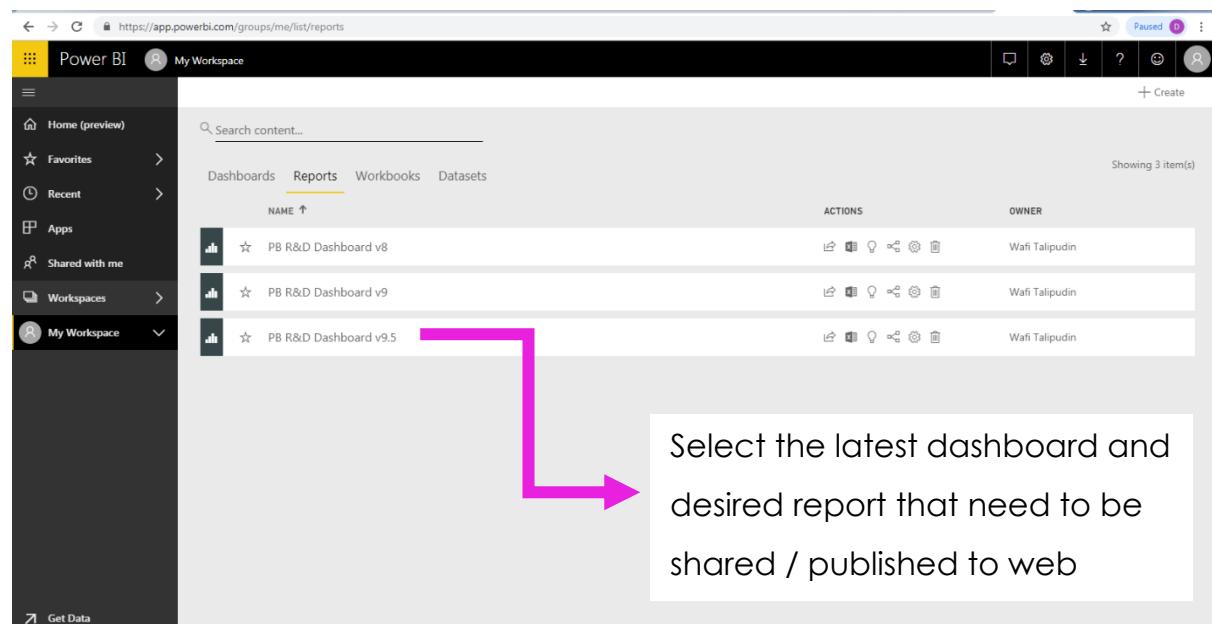
With Power BI **Publish to web**, you can easily embed interactive Power BI visualizations online, such as in blog posts, websites, through emails or social media, on any device. You can also easily edit, update, refresh, or unshare your published visuals.

Publish to web is available on reports in your personal or group workspaces that you can edit. You cannot use Publish to web with reports that were shared with you, or reports that rely on row level security to secure the data.

How to publish to web:

1. go to <https://powerbi.microsoft.com/en-us/landing/signin/> and **sign in** using your **Microsoft Account**.

2. After login, you will see as below



The screenshot shows the Power BI workspace interface. On the left is a dark sidebar with navigation options: Home (preview), Favorites, Recent, Apps, Shared with me, Workspaces, and My Workspace (which is currently selected). The main area displays a search bar and tabs for Dashboards, Reports (which is selected), Workbooks, and Datasets. Below these tabs is a table listing three items, each with a small icon, the name, and the owner's name (Wafi Talipudin). The names are PB R&D Dashboard v8, PB R&D Dashboard v9, and PB R&D Dashboard v9.5. A pink bracket and arrow highlight the list of dashboards.

Select the latest dashboard and desired report that need to be shared / published to web

3. On a report in your workspace that you can edit, select **File > Publish to web**.

4. Review the content on the dialog and select **Create embed code** as shown in the following dialog.

Get Data

Embed in a public website

Get a link or embed code that you can include on a public website.

You may use the publish to web functionality to share content on a publicly available website. You may not use this functionality to share content internally, including through email, your internal network, or intranet site.

Publish a live version that will remain synchronized with the source report in Power BI. Any changes you make to the report will immediately be reflected in the published public version.

5. Review the warning, shown in the following dialog, and confirm that the data is okay to embed in a public website. If so, select **Publish**.

Embed in a public website

⚠️ You are about to create an embed code for this report. Once published, anyone on the internet will be able to access the report and the data it contains, and Microsoft may display the report on a public website or a public gallery.

Before publishing this report, ensure you have the right to share the data and visualizations publicly. Do not publish confidential or proprietary information, or an individual's personal data. If in doubt, check your organization's policies before publishing.

Publish

Close

6. A dialog appears that provides a link that can be sent in **email**, embedded in code (such as an iFrame), or that you can paste directly into your web page or blog.

