



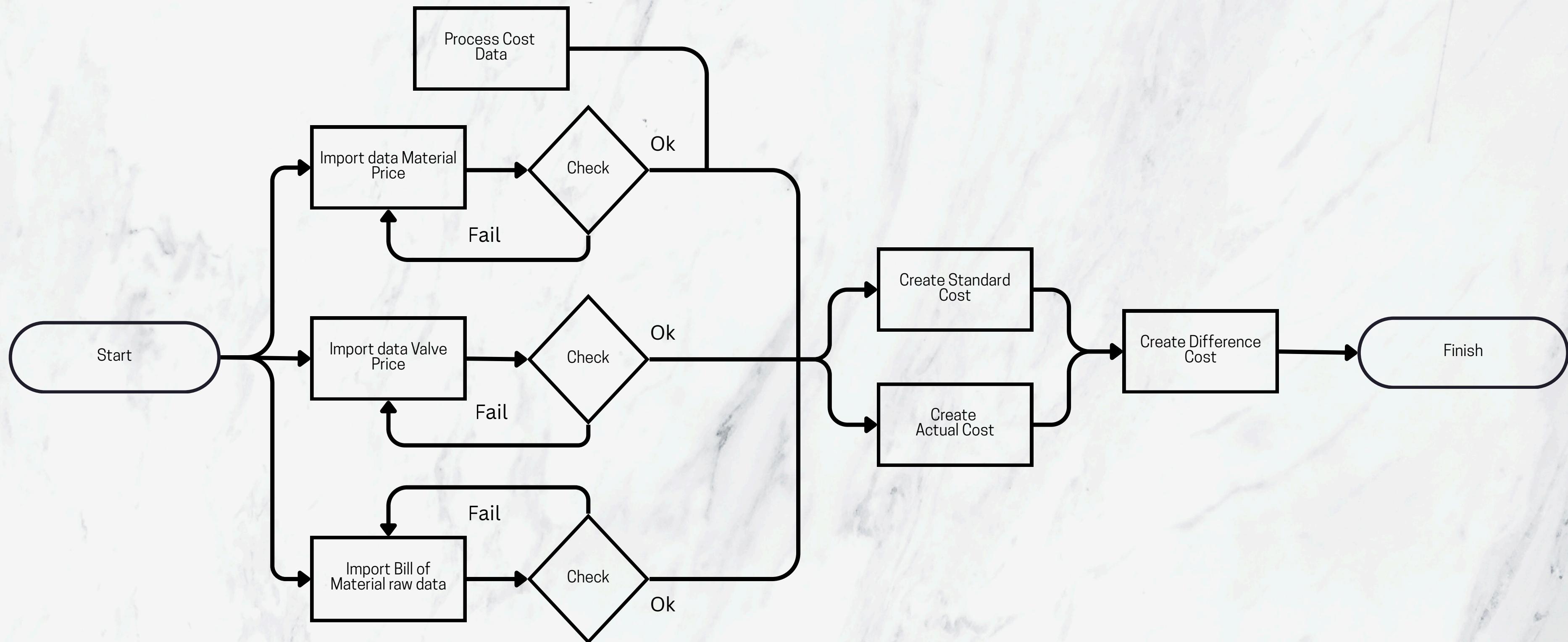
Guidebook

Bill of Material Calculation

Presented By :
Fadel



Flow





Finance & Accounting

Internal System

Menu

Dashboard

Request for Service

Process Cost

Bill of Material

Master Data

Report

R Rudi

#Profile

Change profile configuration like account password, delete account, change website theme.

Guidance

Go

#RFS

This menu is used to submit support requests to developers regarding Information Technology issues.

Guidance

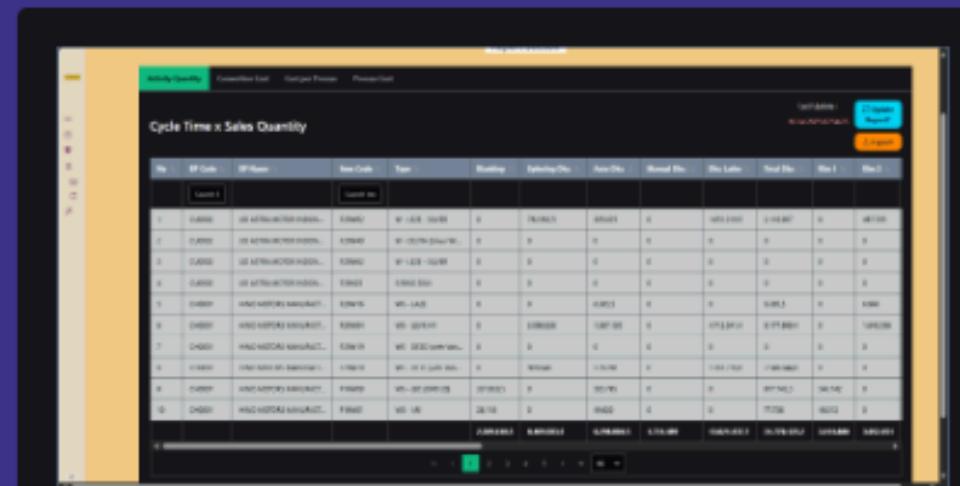
Go

#ProCost

This menu is used to automatically calculate Process Costs. It requires four types of master data: Business Partner, Cycle Time, Sales Quantity, and Wages Distribution.

Guidance

Go



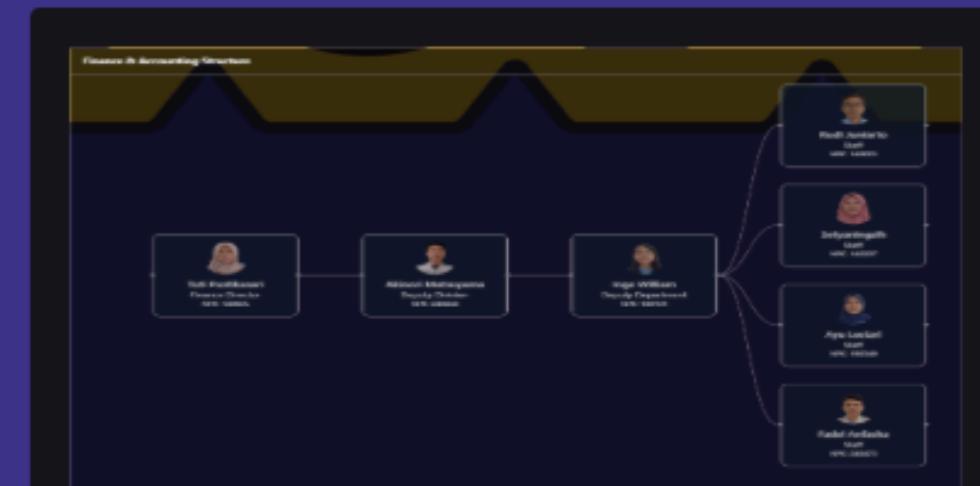
Bill of Material

#BOM

This menu is used to automatically calculate Bill of Material Report. It requires three types of master data: Material Price, Valve Price, BOM raw data.

Guidance

Go



Organization Structure

#OrgChart

Finance & Accounting Organization Structure.

Go

Tekan menu Bill of Material, lalu pilih master data atau jika dari halaman dashboard tekan tombol Go di jendela Bill of Material seperti yang ditunjuk oleh panah (pilih salah satu).

Click the Bill of Material menu, then select Master Data, or if you're on the dashboard page, click the Go button in the Bill of Material window as shown by the arrow (choose one).

Bill of Material (部品表) メニューをクリックしてマスターデータを選ぶか、ダッシュボード画面からは、矢印で示されたBill of MaterialウィンドウのGoボタンを押してください（どちらかを選んでください）。



Finance & Accounting
Internal System

Menu

Dashboard

Request for Service

Process Cost

Bill of Material

Master Data

Report

Rudi

Bill of Material > Master Data

Bill of Material

Calculating Bill of Material

Master Data Section

Material Valve Bill of Material

Material Price Last Update : -
Data source From : Share Others/Finacc/Bill of Material/Material Price (MP)/mat_master.csv

No file chosen Import CSV Export

Material Code ↑↓	Description ↑↓	In Stock ↑↓	Group ↑↓	Price ↑↓	Added at ↑↓	Updated at ↑↓	Action
Search item code							

<< < > >>

Perbaharui data Material Price pada alamat yang dilingkari merah kemudian import data dengan menekan tombol Import CSV (ditunjuk panah) lalu tunggu proses import hingga selesai.

Update the Material Price data at the location marked with a red circle. Then, click the Import CSV button (shown by the arrow) and wait until the import process is complete.

赤い丸で囲まれた場所でMaterial Price（材料価格）のデータを更新してください。その後、矢印で示されたImport CSVボタンをクリックして、インポートが完了するまでお待ちください。



Menu

- Dashboard
- Request for Service
- Process Cost
- Bill of Material
- Master Data
- Report

R Rudi

Bill of Material

Calculating Bill of Material

Master Data Section

Material	Valve	Material Price	Progress :	Import CSV	Export
Material Code		Search item code	Hi Rudi,	No file chosen	
RFD002	-	1	RAW MATERIAL	Rp 134.129	2025-07-17
RFD014	-	2166	RAW MATERIAL	Rp 91.188	2025-07-17
RFD016	-	0	RAW MATERIAL	Rp 84.358	2025-07-17
RFD017	-	0	RAW MATERIAL	Rp 139.873	2025-07-17

✓ Import Success

mat_master.csv imported successfully

Jika import sudah selesai akan muncul notifikasi Import Success (panah merah) dan silahkan close jendela Import Confirmation.

When the import is complete, a notification saying "Import Success" will appear (red arrow). Then, please close the Import Confirmation window.

インポートが完了すると、「Import Success」という通知が表示されます（赤い矢印）。その後、インポート確認ウィンドウを閉じてください。

The screenshot shows the TOPY Finance & Accounting Internal System interface. The top navigation bar includes a logo, the text "Bill of Material > Master Data", and the title "Bill of Material". Below this, a sub-section titled "Calculating Bill of Material" is shown. A horizontal line separates this from the "Master Data Section". Two red arrows point downwards from the "Master Data Section" label to the "Valve" and "Bill of Material" tabs in the navigation bar. The "Valve" tab is highlighted with a green background. The "Master Data Section" contains the following elements:

- Valve Price**: The section title.
- Last Update**: -
- Data source From**: Share Others/Finacc/Bill of Material/Valve Price (VP)/vp_master.csv
- Import CSV** (green button)
- Export** (orange button)
- No file chosen**
- Table Headers**: Item Code ↑↓, Price ↑↓, Added at ↑↓, Updated at ↑↓, Action
- Search Bar**: Search item code
- Pagination**: <<, <, >, >>

On the left side, there is a vertical menu with the following items:

- Dashboard
- Request for Service
- Process Cost
- Bill of Material
- Master Data
- Report

At the bottom left, there is a user profile section with the name "Rudi".

Lakukan hal yang sama untuk menu Valve, dan Bill of Material. Jangan lupa untuk memperbaharui data sebelum diimport.

Do the same steps for the Valve and Bill of Material menus. Don't forget to update the data before importing.

**Valve (バルブ) と Bill of Material (部品表) **のメニューでも同じ手順を行ってください。インポートする前にデータを更新するのを忘れないでください。



Finance & Accounting
Internal System

Menu

Dashboard

② Request for Service

\$ Process Cost

🔧 Bill of Material

Master Data

Report

R Rudi

Material	Valve	Bill of Material									
Bill of Material			Last Update : 17 Jul 2025 11:43:25					Data source From : Share Others/Finacc/Bill of Material/Bill of Material (BOM)/bom_master.csv			
								Import CSV			
								No file chosen			
Item Code ↑↓	Description ↑↓	Unit of Material ↑↓	Quantity	Warehouse	Depth	BOM Type	Added at ↑↓	Updated at ↑↓	Action		
	Search iter										
F15D01	DISC - ZKO DE	PCS	1	TPF	1	Production	2025-07-17	2025-07-17			
F15D02	DISC QDF	PCS	1	TPF	1	Production	2025-07-17	2025-07-17			
F15N01	S.RING F15	PCS	1	TPF	1	Production	2025-07-17	2025-07-17			
F15N02	S.RING F15 ZENKO	PCS	1	TPF	1	Production	2025-07-17	2025-07-17			
F15N03	S.RING GS15	PCS	1	TPF	1	Production	2025-07-17	2025-07-17			
F15W01	WS - QDE LWB	PCS	1	TPF	1	Production	2025-07-17	2025-07-17			
F15W02	WS - BRAA	PCS	1	TPF	1	Production	2025-07-17	2025-07-17			
F15W03	WS - SFUB	PCS	1	TPF	1	Production	2025-07-17	2025-07-17			



Jika sudah, pergi ke menu Report (ditunjuk panah).

When you're done, go to the Report menu (shown by the arrow).

完了したら、矢印で示されているレポートメニューに進んでください。

Bill of Material

Calculating Bill of Material

Report Section

The screenshot shows the 'Report Section' of the Bill of Material application. At the top, there are three tabs: 'Standard Cost' (highlighted in green), 'Actual Cost', and 'Difference'. Below these tabs, the word 'Standard' is displayed in red, followed by 'Cost' in white. To the right of this, there are two buttons: 'Export Report' (orange) and 'Update Report?' (cyan, with a red arrow pointing to it). Further right are input fields for 'OPEX:' (6%) and 'Profit Margin:' (5%), each with an 'Update Value?' button. A 'Select Period:' dropdown menu is also present. On the far right, the text 'Last Update : -' is shown. Below these controls is a large table with columns for '#', 'Item Code', 'Type', 'Name', 'Qty', 'Disc', 'Price', 'Rim', 'Price', 'Qty', 'Sidering', 'Price', 'Pr Disc', and 'Pri'. The first row of the table contains search and selection inputs: 'Search iter', 'Select prior...', 'Search', and so on. At the bottom of the table area, there is a navigation bar with arrows and a page number '10'.

Untuk mengeluarkan nilai reportnya cukup menekan tombol Update Report (ditunjuk panah).

To display the report values, just click the Update Report button (shown by the arrow).

レポートの値を表示するには、矢印で示されたUpdate Reportボタンをクリックするだけです。



Bill of Material

Calculating Bill of Material



Standard Cost	Actual Cost	Difference
Standard Cost		
 Export Report		
# ↑↓	Item Code ↑↓	Type ↑↓
<input type="text" value="Search item"/>	<input type="button" value="Select prior..."/>	
<		>

Update Confirmation

Hi Fadel,

Are you sure you want to update the report?

Select Period:

Month Year

Make sure this data is up to date:

Data	Last Update
Material Price	13 Aug 2025 11:31:51
Valve Price	13 Aug 2025 11:31:58
Bill of Material	13 Aug 2025 11:33:54
Process Cost	13 Aug 2025 11:31:33

[X Cancel](#) [✓ Yes, Update](#)



Select Period :

Select a period

Last Update : -

# ↑↓	Qty ↑↓	Sidering ↑↓	Price ↑↓	Pr Disc ↑↓	Pr

Pilih periode (bulan dan tahun) untuk data report ini, dan jika sudah yakin tekan button Yes, Update. Lakukan hal yang sama untuk Actual Cost

Select the period (month and year) for this report. When ready, click Yes, Update. Do the same for Actual Cost.

このレポートの期間（年月）を選択し、準備ができたら Yes, Update ボタンをクリックしてください。Actual Cost についても同じ操作を行ってください。

Bill of Material

Calculating Bill of Material

Report Section

The screenshot shows a dark-themed user interface for a financial reporting application. At the top, there's a navigation bar with icons for home, search, and other functions. Below it, a header bar displays the title "Bill of Material" and the subtitle "Calculating Bill of Material". A secondary header "Report Section" is centered above the main content area.

The main content area features a table titled "Difference" with three columns: "Standard Cost", "Actual Cost", and "Difference". The "Difference" column is highlighted with a green background. Below the table, there are two buttons: "Export Report" (orange) and "Calculate Difference?" (cyan). To the right of the table, there are dropdown menus for "Standard Period" (set to "Jan-25") and "Actual Period" (set to "Aug-25").

Below the table, there's a detailed view of the cost breakdown. It includes columns for "#", "Item Code", "Standard Period", "Actual Period", "Standard Cost" (with sub-categories "Total Raw Material", "Total Process", and "Total"), and "Actual Cost" (with sub-categories "Total Raw Material", "Total Process", and "Total"). The "Item Code" column contains the value "Sea" with a small icon next to it. The "Actual Period" column has a downward arrow icon. The "Standard Cost" and "Actual Cost" columns have upward and downward arrows for sorting.

At the bottom of the table area, there are navigation controls for page numbers (10, 11, 12, etc.) and a dropdown menu for selecting the number of items per page. A large red arrow points from the bottom left towards the "Calculate Difference?" button.

Untuk melihat difference cost, silahkan tekan tombol Calculate Difference.

To view the difference cost, click the Calculate Difference button.

差額コストを表示するには、Calculate Difference ボタンをクリックしてください。

Bill of Material

Calculating Bill of Material

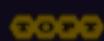
Report Section

The screenshot shows a software application window titled 'Bill of Material'. On the left, there's a vertical toolbar with icons for various functions like Standard Cost, Actual Cost, Difference, etc. The main area displays a table titled 'Difference' with columns for '#', 'Item Code', and 'Standard Period'. One row in the table shows 'Sea' under 'Item Code'. A modal dialog box titled 'Update Confirmation' is overlaid on the screen. It contains a greeting 'Hi Fadel,' and a question 'Are you sure you want to update the report?'. Below this, there are two dropdown menus for 'Select Report Period': 'Standard Period' set to 'Jan-25' and 'Actual Period' set to 'Aug-25'. At the bottom of the dialog are two buttons: 'Cancel' (red background) and 'Yes, Update' (green background with a checkmark). A red arrow points to the 'Yes, Update' button. In the background, the main report table continues with other rows and columns labeled 'Actual Cost', 'Total Raw Material', 'Total Process', 'Total', and 'To'.

Silahkan pilih periode Standard Cost dan Actual Cost yang ingin dihitung, kemudian tekan tombol Yes, Update.

Select the period for Standard Cost and Actual Cost you want to calculate, then click Yes, Update.

計算したい Standard Cost と Actual Cost の期間を選択し、Yes, Update ボタンをクリックしてください。



Bill of Material

Calculating Bill of Material

Report Section

Generate/Explode BOM

Last Update :
17 Jul 2025 11:48:25

Bill of Material

Update Confirmation

Hi Rudi,
Finished updating the report.
It's now safe to close this window.

Close

Bill of Material Data (Table)

#	Item Code	Type	Name	Price	Qty	Sidering	Price	Pr Disc	Price	Pr Rim
1	F15D01	Disc	DISC - ZKO DE	0	0	0	0	RS-DC02	0	
2	F15D02	Disc	DISC QDF	1	RFD054	141.498	0	RS-DC28	0	
3	F15N01	Side Ring	S.RING F15	0		0	0	RFS011	42.270	
4	F15N02	Side Ring	S.RING F15 ZENKO	0		0	0	RFS011	42.270	
5	F15N03	Side Ring	S.RING GS15	0		0	0	RFS024	51.834	
6	F15W01	Wheel	WS - QDE LWB	1	RFD016	84.358	1	RFR013	89.254	0.5
7	F15W02	Wheel	WS - BRAA	1	RFD002	134.129	1	RFR013	89.254	0.5
8	F15W03	Wheel	WS - SFUB	1	RFD017	139.873	1	RFR013	89.254	0.5
9	F15W04	Wheel	WS - SELUR (MTR 140)	1	RFD017	130.873	1	RFR013	89.254	0.5

Jika Update Report sudah selesai silahkan tutup window Update Confirmation dan data Bill of Material sudah bisa dilihat.

Once the Update Report is complete, please close the Update Confirmation window. The Bill of Material data can now be viewed.

Update Reportが完了したら、Update Confirmationウィンドウを閉じてください。**Bill of Material (部品表) **のデータが表示されるようになります。

Report Section

Standard Cost	Actual Cost	Difference									
Difference				Export Report		Calcuate Difference?		Standard Period :		Actual Period :	
# ↑	Item Code ↑	Standard Period ↑	Actual Period ↑	Standard Cost			Actual Cost				
				Total Raw Material ↑	Total Process ↑	Total ↑	Total Raw Material ↑	Total Process ↑	Total ↑		
	Sea ▾										
	F15D01	Jan-25	Aug-25	0	0	0	0	0	0	0	0
	F15D02	Jan-25	Aug-25	141.498,25	0	141.498,25	149.265,53	0	0	0	149.265,53
	F15N01	Jan-25	Aug-25	42.270,13	28.966,58	71.236,71	46.412,24	28.966,58	75.378,82		
	F15N02	Jan-25	Aug-25	42.270,13	0	42.270,13	46.412,24	0	0	0	46.412,24
	F15N03	Jan-25	Aug-25	51.833,56	28.966,58	80.800,14	54.162,21	28.966,58	83.128,79		
	F15W01	Jan-25	Aug-25	215.881,45	0	215.881,45	237.714,89	0	0	0	237.714,89
	F15W02	Jan-25	Aug-25	265.652,42	276.289,01	541.941,43	291.783,17	276.289,01	568.072,18		
	F15W03	Jan-25	Aug-25	271.397,11	274.288,01	545.685,12	298.550,89	274.288,01	572.838,9		

Jika ingin export data report kedalam CSV baik untuk Standard/Actual/Difference Cost, pilih periode laporannya dahulu baru tekan button Export Report.

To export the report data to CSV for Standard, Actual, or Difference Cost, first select the report period, then click Export Report.

Standard、Actual、またはDifference Cost のレポートデータをCSVにエクスポートするには、まずレポート期間を選択し、Export Report ボタンをクリックしてください。

Report Section

Standard Cost Actual Cost Difference

Actual Cost [Export Report](#) [Update Report?](#) OPEX : 6% Profit Margin : 5% Select Period : Aug-25 Last Update : 13 Aug 2025 13:21:03

[opcoat W ↑](#) [Cost ↑](#) [WiP Topcoat SR ↑↓](#) [Cost ↑↓](#) [WiP Valve ↑↓](#) [Cost ↑↓](#) [Total Raw Material ↑↓](#) [Total Process ↑↓](#) [Total ↑↓](#) [Month ↑↓](#) [Year ↑↓](#) [Action](#)

opcoat W ↑↓	Cost ↑↓	WiP Topcoat SR ↑↓	Cost ↑↓	WiP Valve ↑↓	Cost ↑↓	Total Raw Material ↑↓	Total Process ↑↓	Total ↑↓	Month ↑↓	Year ↑↓	Action
0	-	0	-	0	-	0	0	0	August	2025	
149.265,53	-	0	-	0	-	149.265,53	0	149.265,53	August	2025	
0	-	64.458,82	-	0	-	46.412,24	28.966,58	75.378,82	August	2025	
0	-	46.412,24	-	0	-	46.412,24	0	46.412,24	August	2025	
0	-	72.208,8	-	0	-	54.162,21	28.966,58	83.128,79	August	2025	
191.302,65	-	46.412,24	-	0	-	237.714,89	0	237.714,89	August	2025	

Jika ingin cetak BOM per product cukup dengan menekan button pada kolom action (panah merah), untuk merubah biaya OPEX dan Margin silahkan tekan button Update Value.

To print the BOM for each product, just click the button in the Action column (red arrow). To change the OPEX and Margin values, click the Update Value button.

各製品のBOMを印刷するには、アクション列のボタン（赤い矢印）をクリックしてください。OPEXとマージンの値を変更するには、Update Valueボタンをクリックしてください。

A Not secure 192.168.14.10/bom/preview/F15W02?opex=6&progin=5

Print

Total: 1 sheet of paper

Printer: Canon iR-ADV 4245/4251 UFR...

Copies: 1

Layout: Landscape (highlighted with a red arrow)

Pages: All

e.g. 1-5, 8, 11-13

Print on both sides: Print on one side

Paper size: A4 (highlighted with a red arrow)

Print Cancel

Total Cycle Time: 133 Total Manufacturing Cost: 541.943

STANDARD COST 2025
06 Agustus 2025

ITEM CODE F15W02	TYPE WS - BRAA	STANDARD COST 2025 06 Agustus 2025											
		Qty	Price	Total	Qty	Price	Total	Qty	Price	Total	Qty	Price	Total
F15W02	WS - BRAA											541.943	
	PR Packing											1,00 12.012 12.012	
	Packing	26,4											
WE1W-001	CED - BRAA											464.277	
	PR RS-CD01	CED PROCESS BRAA											
	Ced	67%	6,1										
WE1S-001	CED - SIDE RING 15											65.654	
	PR RS-CD33	CED PROCESS SIDE RING 15											
	Ced	67%	2,4										
WC1W-001	RIM DISC - ASSY BRAA											437.273	
	PR RS-AS01	ASSY PROCESS BRAA											
	AssyT	76%	15,0										
WD1S-001	SIDE RING - SIDE RING 15 X 5.50F												
	RM RFS011	SIDERING BAR S25CL FX15 (h 48 mm)											
	0,50	42.270	42.270										
	PR RS-SR02	SIDE RING PROCESS 15F											
	Forming	66%	12,0										
WA1R-001	RIM BAR - RIM BAR 15 X 5.50F											150.956	
	RM RFR013	RIM BAR RIM-T 550FX15TP (h 160 mm)											
	1,00	89.254	89.254										
	PR RS-RB01	RIM BAR PROCESS 15											
	Rim1	65%	14,0										
WB1D-004	DISC - DISC 5.3 BRAA											264.395	
	RM RFD002	BRAA (OWO 50) - DISC 5.3 X 375 X 375											
	1,00	134.129	134.129										
	PR RS-DC04	DISC PROCESS BRAA											
	ManualDisc	65%	57,0										
	1,00	130.266	130.266										
	Total Cycle Time:	133	Total Manufacturing Cost:	541.943									

Total Raw Material : 265.653

Total Process : 276.290

Note:
This amount is included all inefficiencies, since actual production conditions (TPP Target from PPIC) are applied on it.
To be able to compete with market prices, the cost of 10-25% may be deducted from process cost

Prepared, _____

Approved, _____

Mfg Cost 541.943
6% OPEX 32.517
Total Cost 574.460
5% Profit Margin 28.723
Selling Price 603.183

Pastikan layoutnya landscape dan menggunakan kertas ukuran A4 lalu tekan tombol print.

Make sure the layout is set to landscape and use A4 paper, then click the Print button.

レイアウトが**横向き（ランドスケープ）**で、A4用紙を使用していることを確認し、印刷ボタンをクリックしてください。

A faint, light gray pencil sketch of a landscape occupies the background. It depicts a dense forest of tall, thin trees on the left, with a path or clearing leading towards a more open area on the right. The style is loose and artistic.

Finish

