



# Sistem Penunjang Keputusan Stock Opname

Analisis mendalam dengan metode ABC, EOQ, dan Safety Stock

Import

Export

## ABC Classification

Class A (High Value)	6 items
Class B (Medium Value)	4 items
Class C (Low Value)	10 items

## Stock Status Distribution

Normal	1 items
Low Stock	6 items
Overstock	3 items
Reorder	9 items

## Top Products by Inventory Value

ELC002 iPhone 15 Pro Max	Rp 840.000.000
ELC001 MacBook Pro 16" M3	Rp 805.000.000
GAM001 Gaming Monitor 27" 144Hz	Rp 280.500.000
ACC003 Webcam 4K Pro	Rp 275.000.000
ELC004 Dell XPS 13 Laptop	Rp 270.000.000

## Variance Analysis

Positive Variance	6 items
Negative Variance	14 items
No Variance	0 items

## Inventory Turnover

High (> 6)	19 items
Medium (3-6)	0 items
Low (<3)	1 items

## Stock vs EOQ Recommendations

Stock Below EOQ	7 items
Stock Above EOQ	13 items

EOQ = Economic Order Quantity  
Optimal order size for cost efficiency

Total Produk  
**20**



Nilai Inventory  
**Rp 3.380.725.000**

Akurasi Stock  
**20.0%**



Item Perlu Perhatian  
**9**



## ↳ Rekomendasi Sistem

- Stock rendah! Segera order 7 unit (EOQ) untuk Samsung Galaxy S24 Ultra
- Selisih besar (-73.3%) pada Samsung Galaxy S24 Ultra. Perlu audit mendalam
- Stock rendah! Segera order 39 unit (EOQ) untuk Mechanical Keyboard RGB
- Selisih besar (-75.0%) pada Mechanical Keyboard RGB. Perlu audit mendalam
- Overstock detected untuk Webcam 4K Pro. Pertimbangkan promosi atau redistribusi

## ⚠️ 🚨 Urgency Ranking - DSS Priority Actions

Items ranked by urgency score based on stock status, ABC classification, and business impact

#1 **MacBook Pro 16" M3**  
ELC001 • Electronics

HIGH Reorder

Urgency Score  
83%  
10 out of 12

Business Impact  
Rp 1.207.500.000

Timeframe  
Within 10 days

REORDER NOW

#2 **iPhone 15 Pro Max**  
ELC002 • Electronics

HIGH Reorder

Urgency Score  
83%  
10 out of 12

Business Impact  
Rp 1.260.000.000

Timeframe  
Within 10 days

REORDER NOW

#3 **Dell XPS 13 Laptop**  
ELC004 • Electronics

HIGH Reorder

Urgency Score  
83%  
10 out of 12

Business Impact  
Rp 405.000.000

Timeframe  
Within 10 days

REORDER NOW

Reason: Stock at reorder level, plan immediate restock.  
Recommended Action: Place an order for 4 units.

Reason: Stock at reorder level, plan immediate restock.  
Recommended Action: Place an order for 7 units.

Reason: Stock at reorder level, plan immediate restock.  
Recommended Action: Place an order for 7 units.

**#4 Document Camera** CRITICAL Class C Out of Stock

OFF002 • Office

Urgency Score

83%

Business Impact

Rp 0

Timeframe

Immediate

10 out of 12

**Reason:** Out of stock! Immediate action required.**Recommended Action:** Order at least 10 units now!**EMERGENCY ORDER****#5 Gaming Monitor 27" 144Hz** HIGH Class A Reorder

GAM001 • Gaming

Urgency Score

83%

Business Impact

Rp 420.750.000

Timeframe

Within 10 days

10 out of 12

**Reason:** Stock at reorder level, plan immediate restock.**Recommended Action:** Place an order for 11 units.**REORDER NOW****#6 Enterprise Router Cisco** HIGH Class A Reorder

NET001 • Networking

Urgency Score

83%

Business Impact

Rp 337.500.000

Timeframe

Within 10 days

10 out of 12

**Reason:** Stock at reorder level, plan immediate restock.**Recommended Action:** Place an order for 3 units.**REORDER NOW****#7 Logitech MX Master 3S** HIGH Class B Reorder

ACC001 • Accessories

Urgency Score

75%

Business Impact

Rp 122.400.000

Timeframe

Within 10 days

9 out of 12

**Reason:** Stock at reorder level, plan immediate restock.**Recommended Action:** Place an order for 39 units.**REORDER NOW****#8 Wireless Headphones** HIGH Class B Reorder

ACC004 • Accessories

Urgency Score

75%

Business Impact

Rp 158.400.000

Timeframe

Within 10 days

9 out of 12

**Reason:** Stock at reorder level, plan immediate restock.**Recommended Action:** Place an order for 39 units.**REORDER NOW****#9 Portable Projector** HIGH Class B Reorder

OFF003 • Office

Urgency Score

75%

Business Impact

Rp 118.800.000

Timeframe

Within 10 days

9 out of 12

**Reason:** Stock at reorder level, plan immediate restock.**Recommended Action:** Place an order for 10 units.**REORDER NOW****#10 Laptop Stand Adjustable** HIGH Class C Reorder

BSC004 • Accessories

Urgency Score

67%

Business Impact

Rp 21.600.000

Timeframe

Within 10 days

8 out of 12

**Reason:** Stock at reorder level, plan immediate restock.**Recommended Action:** Place an order for 70 units.**REORDER NOW****#11 Samsung Galaxy S24 Ultra** HIGH Class B Low Stock

ELC003 • Electronics

Urgency Score

58%

Business Impact

Rp 172.800.000

Timeframe

Within 1 week

Days Until Stockout

~1 days

**MONITOR**

7 out of 12

**Reason:** Low stock, approaching minimum levels.**Recommended Action:** Consider ordering 7 units.**#12 Mechanical Keyboard RGB** HIGH Class C Low Stock

ACC002 • Accessories

Urgency Score

50%

Business Impact

Rp 12.000.000

Timeframe

Within 1 week

Days Until Stockout

~1 days

**MONITOR**

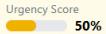
6 out of 12

**Reason:** Low stock, approaching minimum levels.**Recommended Action:** Consider ordering 39 units.**#13 Webcam 4K Pro** MEDIUM Class A Overstock

ACC003 • Accessories

Urgency Score

0%

Urgency Score  50% Business Impact Rp 412.500.000 Timeframe Within 1 month ✉️ REDUCE STOCK

**Reason:** Overstock situation, reduce holding costs.  
**Recommended Action:** Run promotions or redistribute inventory.

**#14 Basic Mouse Pad** BSC002 • Accessories HIGH Class C Low Stock

Urgency Score  50% Business Impact Rp 625.000 Timeframe Within 1 week Days Until Stockout ~1 days 🔍 MONITOR

**Reason:** Low stock, approaching minimum levels.  
**Recommended Action:** Consider ordering 342 units.

**#15 Wireless Presenter Remote** OFF001 • Office HIGH Class C Low Stock

Urgency Score  50% Business Impact Rp 3.600.000 Timeframe Within 1 week Days Until Stockout ~1 days 🔍 MONITOR

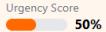
**Reason:** Low stock, approaching minimum levels.  
**Recommended Action:** Consider ordering 41 units.

**#16 Gaming Chair Ergonomic** GAM002 • Gaming HIGH Class C Low Stock

Urgency Score  50% Business Impact Rp 38.400.000 Timeframe Within 1 week Days Until Stockout ~3 days 🔍 MONITOR

**Reason:** Low stock, approaching minimum levels.  
**Recommended Action:** Consider ordering 14 units.

**#17 Managed Switch 24-Port** NET002 • Networking HIGH Class C Low Stock

Urgency Score  50% Business Impact Rp 24.000.000 Timeframe Within 1 week Days Until Stockout 0 🔍 MONITOR

**Reason:** Low stock, approaching minimum levels.  
**Recommended Action:** Consider ordering 7 units.

**#18 Screen Cleaning Kit** BSC003 • Maintenance MEDIUM Class C Overstock ✉️ REDUCE STOCK

Urgency Score  33% Business Impact Rp 26.250.000 Timeframe Within 1 month

**Reason:** Overstock situation, reduce holding costs.  
**Recommended Action:** Run promotions or redistribute inventory.

**#19 RGB Gaming Mousepad** GAM003 • Gaming MEDIUM Class C Overstock ✉️ REDUCE STOCK

Urgency Score  33% Business Impact Rp 72.000.000 Timeframe Within 1 month

**Reason:** Overstock situation, reduce holding costs.  
**Recommended Action:** Run promotions or redistribute inventory.

**How to Read Urgency Score:**

 83-100% (CRITICAL)	 58-82% (HIGH)	 33-57% (MEDIUM)	 8-32% (LOW)
⚠️ Emergency action needed NOW! Out of stock or high-value items	⚡ Action needed within days Reorder level or low stock	⚠️ Plan action within weeks Overstock or approaching limits	ⓘ Monitor situation Non-urgent monitoring

**Tip:** Higher percentages mean more urgent action needed. The bar color matches the urgency level.

 Hasil Analisis DSS

PRODUK	SELISIH	SELISIH %	NILAI SELISIH	ABC	STATUS	SAFETY STOCK	REORDER POINT	EQQ	TURNOVER	ACTION
iPhone 15 Pro Max ELC002	+2	5.0%	Rp 40.000.000	A	Reorder	27	77	7	43.5x	<button>Reorder Now</button>
MacBook Pro 16" M3 ELC001	-2	-8.0%	-Rp 70.000.000	A	Reorder	19	61	4	47.6x	<button>Reorder Now</button>
Gaming Monitor 27" 144Hz GAM001	-2	-5.7%	-Rp 17.000.000	A	Reorder	30	84	11	66.4x	<button>Reorder Now</button>
Webcam 4K Pro ACC003	+65	144.4%	Rp 162.500.000	A	Overstock	29	71	21	23.2x	<button>Reduce Stock</button>
Dell XPS 13 Lantong										<button>Check Status</button>

Enterprise Router Cisco NET001	-1	-10.0%	-Rp 30.000.000	A	<button>Reorder</button>	23	71	7	81.1x	<button>Reorder Now</button>
Samsung Galaxy S24 Ultra ELC003	-22	-73.3%	-Rp 396.000.000	B	<button>Low Stock</button>	27	69	7	273.8x	<button>Monitor</button>
Wireless Headphones ACC004	-2	-2.2%	-Rp 3.000.000	B	<button>Reorder</button>	50	110	39	62.2x	<button>Reorder Now</button>
Logitech MX Master 3S ACC001	+5	6.3%	Rp 6.000.000	B	<button>Reorder</button>	45	105	39	51.5x	<button>Reorder Now</button>
Portable Projector OFF003	+2	10.0%	Rp 9.000.000	B	<button>Reorder</button>	16	46	10	49.8x	<button>Reorder Now</button>
RGB Gaming Mousepad GAM003	+100	125.0%	Rp 40.000.000	C	<button>Overstock</button>	52	106	82	36.5x	<button>Reduce Stock</button>
Gaming Chair Ergonomic GAM002	-13	-52.0%	-Rp 41.600.000	C	<button>Low Stock</button>	25	81	14	121.7x	<button>Monitor</button>
Screen Cleaning Kit BSC003	+250	250.0%	Rp 18.750.000	C	<button>Overstock</button>	35	71	153	12.5x	<button>Reduce Stock</button>
Managed Switch 24-Port NET002	-18	-90.0%	-Rp 216.000.000	C	<button>Low Stock</button>	19	61	7	547.5x	<button>Monitor</button>
Laptop Stand Adjustable BSC004	-3	-4.0%	-Rp 900.000	C	<button>Reorder</button>	37	87	70	50.7x	<button>Reorder Now</button>
Mechanical Keyboard RGB ACC002	-45	-75.0%	-Rp 36.000.000	C	<button>Low Stock</button>	35	91	39	194.7x	<button>Monitor</button>
USB Cable Type-C BSC001	-5	-2.5%	-Rp 250.000	C	<button>Normal</button>	72	147	271	46.8x	<span>✓ OK</span>
Wireless Presenter Remote OFF001	-22	-73.3%	-Rp 9.900.000	C	<button>Low Stock</button>	17	37	41	228.1x	<button>Monitor</button>
Basic Mouse Pad BSC002	-125	-83.3%	-Rp 3.125.000	C	<button>Low Stock</button>	47	87	342	292.0x	<button>Monitor</button>
Document Camera OFF002	-15	-100.0%	-Rp 52.500.000	C	<button>Out of Stock</button>	13	41	10	0.0x	

## Data Produk

[+ Tambah Produk](#)

KODE	NAMA PRODUK	KATEGORI	STOK SISTEM	STOK AKTUAL	HARGA	MIN/MAX	LEAD TIME	Avg Demand
ELC001	MacBook Pro 16" M3	Electronics	25	23	35000000	5   40	14	3
ELC002	iPhone 15 Pro Max	Electronics	40	42	20000000	10   60	10	5
ELC003	Samsung Galaxy S24 Ulti	Electronics	30	8	18000000	15   50	7	6
ELC004	Dell XPS 13 Laptop	Electronics	20	18	15000000	8   35	12	4
ACC001	Logitech MX Master 3S	Accessories	80	85	1200000	20   120	5	12
ACC002	Mechanical Keyboard RC	Accessories	60	15	800000	25   100	7	8
ACC003	Webcam 4K Pro	Accessories	45	110	2500000	15   70	6	7
ACC004	Wireless Headphones	Accessories	90	88	1500000	30   150	4	15
BSC001	USB Cable Type-C	Cables	200	195	50000	50   300	3	25
BSC002	Basic Mouse Pad	Accessories	150	25	25000	40   200	2	20
BSC003	Screen Cleaning Kit	Maintenance	100	350	75000	30   150	3	12
BSC004	Laptop Stand Adjustable	Accessories	75	72	300000	20   120	5	10
OFF001	Wireless Presenter Remc	Office	30	8	450000	12   50	4	5
OFF002	Document Camera	Office	15	0	3500000	3   25	14	2
OFF003	Portable Projector	Office	20	22	4500000	5   30	10	3
GAM001	Gaming Monitor 27" 144	Gaming	35	33	8500000	8   50	9	6
GAM002	Gaming Chair Ergonomic	Gaming	25	12	3200000	15   40	14	4
GAM003	RGB Gaming Mousepad	Gaming	80	180	400000	25   120	3	18
NET001	Enterprise Router Cisco	Networking	10	9	25000000	3   15	21	1
NET002	Managed Switch 24-Port	Networking	20	2	12000000	5   30	14	3