

SURAT PERMINTAAN BARANG

No	Kode Barang	Nama Barang	Merk / Brand	Type	Spesifikasi	Satuan	Riwayat Pembelian				Stok Saat Ini	Minimum Stok	Jumlah Permintaan	No Justifikasi
							Tanggal	Jumlah	No SPB / PO	Supplier				
1	IMO20051	Tubular Heater			7500 W, 380 V Ø14 X 1800 mm	PCS	08-Apr-26	5	PF000401 TK260218	PT USAHA SAUDARA MANDIRI	2	3	5	SP-ELC-010
3	IMO03203	Capasitor			45 / 1.5 uf	PCS	14-Jan-26	3	PW023897 P25T0891	PT ARMADA BANGUN SEJAHTERA	2	2	3	SP-ELC-040
4	IMO04143	Down Heating			3000 Watt	PCS	18-Nov-25	2	PW023557 P25T0652	Agru Farma Teknologi	0	1	2	SP-ELC-041
5	IMO03030	Catridge Heater			300 W / 220 , Uk. P : 211 OD : 16	PCS	26-Feb-25	32	PW014060 P25T0084	Hakai Technology Industries,	9	21	32	SP-ELC-042
6	IAL00149	Thermocouple			Uk. 5X 30	PCS	11-Dec-25	9	PW019640 P25T0803	Hakai Technology Industries,	1	6	9	SP-ELC-043
7	IMO12151	Lampu Bohlam Sien Mobil			24 V Kaki 1 10 Watt SPK B15SS	PCS	07-Apr-26	10	PF000455 TK260261	SHOPEE INDONESIA	5	3	10	SP-ELC-17
8	IMO16340	Pneumatic Cylinder			AIRTAC SC 80 X 250	PCS	21-Nov-25	2	PW025742 P25T0735	PT. Airindo Teknologi Perkasa	1	1	2	SP-ELC-044

Catatan :

Permintaan Tubular Heater , Capasitor, Down Heating, Catridge Heater, Thermocouple, Lampu Bohlam Sien Mobil & Pneumatic Cylinder Sudah berada di minimum Stock Sehingga Perlu Diajukan terhadap Tubular Heater , Capasitor, Down Heating, Catridge Heater, Thermocouple, Lampu Bohlam Sien Mobil & Pneumatic Cylinder Tersebut.

SPAREPARTS CONTROLLER

AJKA AMIRIN

Asst. Manager

FIRMAN ARDI B

MANAGER

HERMAN WIDYAPRASETYA

BIN CARD 20K-1
ENGINEERING upform

• Tubular Heater 7500 W 380 V Uk. Ø 14 X 1800 mm

NAMA BARANG : LOKASI : RAK

KODE BARANG : 1M020225 MINIMUM STOK :

SATUAN	:	pcr	ORDER QTY	:
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TGL	IN	OUT	JUMLAH	KETERANGAN
27/1/24			1	
5/5/25		1	-	1/ABUCLARE 250 V-2500 "757/1h"
08/26 /04				
08/26 /04	5		5	BALDOY
" / 26 /04		3	2	BK-983

[illegible]

mersi <i>Good Quality Improves Life's Quality</i> PT. MERSIFARMA TM. SUKABUMI-INDONESIA	SPAREPARTS JUSTIFICATIONS	Nomor : SP-ELC-010 Tanggal : 23 FEBRUARI 2026 Revisi : 01
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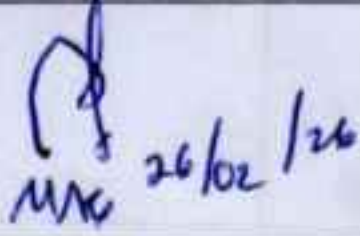
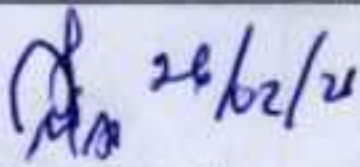
NAMA BARANG	UNITED HEATER 380 V 7500 WATT
TYPE / BRAND	DIAMETER : 14 mm , PANJANG : 460 mm
DIGUNAKAN UNTUK	Autoclave 160 L, Dan Autoclave 250 L
PEMBELIAN	Lokal

NO	DIPAKAI UNTUK	LOKASI	JUMLAH PERALATAN [A]	JUMLAH BARANG / SATU ALAT [B]	TOTAL [A x B]
1	AUTOCLAVE 250 LITER UNIT 1 STERIL	UNIT 1 STERIL	1	3	3
2	AUTOCLAVE 160 LITER	LAB MIKRO	1	3	3
3	AUTOCLAVE 250 LITER	LAB MIKRO	1	3	3
TOTAL UNITED HEATER 380 V, 7500 WATT TERPASANG					9 Pcs

A	Mean Time Between Failure (MTBF)	6 Months
B	MTBF Assumption	6 Months
C	Avarage Months consumption	9 Pcs/ 6 Months = 1.5 Pcs
D	Lead Time	2 Months (From SPB)
E	Decide to maintain minimal stock	(C x D) = 2 x 1.5 = 3 Pcs
F	Decide to maintain Order Point (100% - 150%)	(100% x E) = 100% x 2 = 2 PCS

ROPOSAL TO SECURE OF SUPPLY

MINIMUM STOCK	ORDER QUANTITY
3	5

Di Susun Oleh	Diperiksa		Mengetahui
 26/02/26	 26/02/26 Supervisor Compliance	 26/02/26 Assistant Manager	 26/02/26 Engineering Manager

BIN CARD ^{U-10} ENGINEERING _{U-10}

NAMA BARANG : Capacitor 45/1.5 μ F LOKASI : ~~212~~ ~~U-10~~

KODE BARANG : 1403334 MINIMUM STOK : 2

SATUAN : per ORDER QTY : 3

TGL	IN	OUT	JUMLAH	KETERANGAN
20 Des 23			2	
21 Feb 24		1	1	v/ AC Accounting " 775 / TK "
23/2/24		1	-	u/ pembelian Ac lab Office Lt. 2 " 375 / PPS / K / 4/24 "
27/08/24	3		3	pr. Multi jembar Abadi
22/1/25		1	2	v/ pembelian AC R. M. 2006-3 U. 9 " 775 / TK "
13/02/24		1	1	v/ AC 106 / 10119 " 1549 TK "

TGL	IN	OUT	JUMLAH	KETERANGAN
22/25/08		1	-	u/ pembelian AC makanan proyek " 1636 "
13/26/01	3		3	PT. Armada Bangun Sagahitara Nopo: p25T0891
10/26/09		1	2	BE - 980

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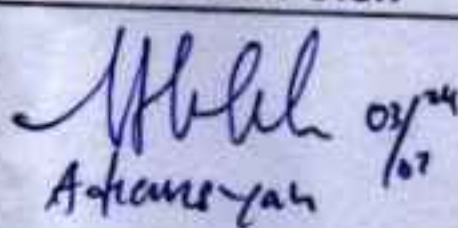
NAMA BARANG	Capasitor
TYPE / BRAND	45/1,5 μ F
DIGUNAKAN UNTUK	Out Door AC Split 2 PK
PEMBELIAN	Lokal

NO	DIPAKAI UNTUK	LOKASI	JUMLAH PERALATAN [A]	JUMLAH BARANG / SATU ALAT [B]	TOTAL [A x B]
1	Out Door AC Split 2 PK	Produksi U.2	6	1	6
2		Produksi U.3	3	1	3
3		Produksi U.4	3	1	3
4		Gedung Office	1	1	1
5		GA Lama	1	1	1
6		Container Biru	2	1	2
7		Gudang Sentral	3	1	3
TOTAL CAPASITOR 45/1,5 μ F TERPASANG					19 PCS

A	Mean Time Between Failure (MTBF)	24 Months
B	MTBF Assumption	24 Months
C	Avarage Months consumption	19 Pcs/ 24 Months = 0.8 Pcs
D	Lead Time	2 Months (From SPB)
E	Decide to maintain minimal stock	$(C \times D) = 0,8 \times 2 = 1,6 = 2 \text{ Pcs}$
F	Decide to maintain Order Point (100% - 150%)	$(150\% \times E) = 150\% \times 2 = 3 \text{ Pcs}$

PROPOSAL TO SECURE OF SUPPLY

MINIMUM STOCK	ORDER QUANTITY
2	3

Di Susun Oleh	Diperiksa		Mengetahui
 A. Hamsyah 03/24/107	 Supervisor Compliance	 Assistant Manager	 Engineering Manager

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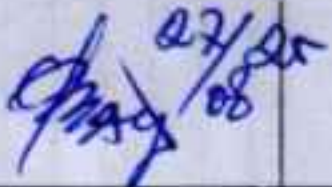
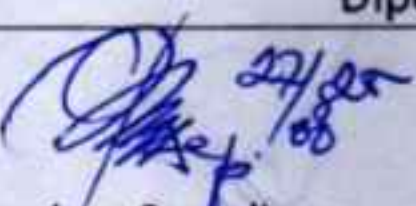
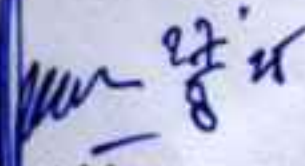
NAMA BARANG	Down Heating
TYPE/MERK	3000 Watt
DIGUNAKAN UNTUK	Bister Chunguang
PEMBELIAN	Lokal

NO	DIPAKAI UNTUK	LOKASI	JUMLAH PERALATAN [A]	JUMLAH BARANG / SATU ALAT [B]	TOTAL [A x B]
1	Blister Chunguang	Produksi U. 1 Non Steril	3	2	6
TOTAL DOWN HEATING TERPASANG					6 Pcs

A	Mean Time Between Failure (MTBF)	12 Months
B	MTBF Assumption	12 Months
C	Avarage Months consumption	6 Pcs/ 12 Months = 0,5 Pcs
D	Lead Time	2 Months (From SPB)
E	Decide to maintain minimal stock	(C x D) = 0,5 x 2 = 1 Pcs
F	Decide to maintain Order Point (100% - 150%)	(150 x E) = 150% x 1 = 1,5 = 2 Pcs

PROPOSAL TO SECURE OF SUPPLY

MINIMUM STOCK	ORDER QUANTITY
1	2

Di Susun Oleh	Diperiksa		Mengetahui
 27/08	 27/08 Supervisor Compliance	 27/08 Assistant Manager	 27/08 Engineering Manager

BIN CARD Rok-1 ENGINEERING

Cartridge Heater 300 W/220V

NAMA BARANG : Uk P. 211 OD. 16 LOKASI : A-1

KODE BARANG : 15P00134 MINIMUM STOK : 21

SATUAN : RS ORDER QTY : 32

TGL	IN	OUT	JUMLAH	KETERANGAN
07/12/23			2	
08/12/23	32		34	diserah saudara madi
15/12/23		8	26	1/ mesin Blister U.2
21/1/24		8	18	1/ Blister U.3 "663/TK"
21/8/29		8	10	1/ Blister Accurate "17.9/TK"
15/10/24	32		42	USM
21/10/24		8	34	1/ Blister Accurate U.2 "2188/TK"

TGL	IN	OUT	JUMLAH	KETERANGAN
26/1/24		2	32	1/ Farming blister U.4 "2235/TK"
18/1/24		10	22	1/ Blister Accurate U.4 "2386/TK"
7/1/25		8	14	1/ Blister Accurate U.3 "54/TK"
20/2/25		1	13	1/ Blister Accurate U.4 "345/TK"
28/2/25	32		45	Hakui Technology/Industri
20/5/25		2	43	1/ Blister Accurate U.4 "894/TK"
25/6/25		4	39	1/ Pembelian Dry

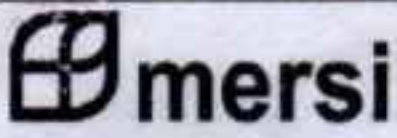


NAMA BARANG :

KODE BARANG :

SATUAN :

TGL	IN	OUT	JUMLAH	KETERANGAN
				Block Temperature calibration
16/09 ²⁵		10	29	u/ penggantian Heater Mesin
				Buster 10T "176"
20/11 ²⁵		4	25	u/ Dry Block kalibrasi "24"
09/02 ²⁶		1	29	BK- 200
11/02 ²⁶		4	20	BK- 212.
14/02 ²⁶		1	19	BK BK- 220

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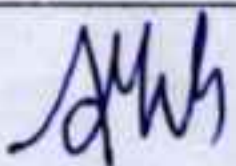
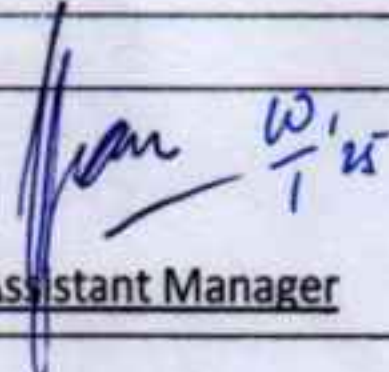
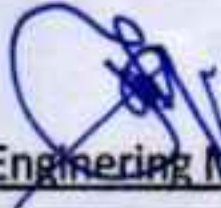
NAMA BARANG	Catridge Heater 300 Watt, 220 V
SIZE	Ø = 16 mm, Panjang = 211 mm
DIGUNAKAN UNTUK	Blister
PEMBELIAN	Lokal

NO	DIPAKAI UNTUK	LOKASI	JUMLAH PERALATAN [A]	JUMLAH BARANG / SATU ALAT [B]	TOTAL [A x B]
1	Blister	Produksi U.1	6	20	120
2		Produksi U.2	2	20	40
3		Produksi U.3	1	20	20
4		Produksi U.4	7	20	140
TOTAL CATRIDGE HEATER 300 WATT, 220 V Ø = 16 mm, PANJANG = 211 mm TERPASANG					320 Pcs

A	Mean Time Between Failure (MTBF)	30 Months
B	MTBF Assumption	30 Months
C	Avarage Months consumption	320 Pcs/ 30 Months = 10,7 Pcs
D	Lead Time	2 Months (From SPB)
E	Decide to maintain minimal stock	(C x D) = 10,7 x 2 = 21,4 = 21 Pcs
F	Decide to maintain Order Point (100% - 150%)	(150% x E) = 150% x 21 = 32 Pcs

ROPOSAL TO SECURE OF SUPPLY

MINIMUM STOCK	ORDER QUANTITY
21	32

Di Susun Oleh	Diperiksa		Mengetahui
	 Supervisor Compliance	 Assistant Manager	 Engineering Manager

BIN CARD ENGINEERING

Thermocouple Untuk Sealing Roll Type. K Uk. 5 X 30 (mm)

NAMA BARANG : LOKASI : 5-4
KODE BARANG : 1M020033 MINIMUM STOK : 6
SATUAN : Per ORDER QTY : 9

TGL	IN	OUT	JUMLAH	KETERANGAN
17/1/24			7	
22/1/24		2	5	v/ stripping v.3 "158"
27/1/24		2	3	v/ stripping v.3 "178"
3/4/24		1	2	v/ blister v.3 "667/tk"
30/4/24	9		11	Andhika Mitha/estam
8/5/24		1	10	v/ stripping Chung huang 2 v.3 "881/tk"
5/7/24		1	9	v/ blister v.1 "1321/tk"
26/8/24		1	8	v/ mesin jukung unit 4 "1537/ fpr/tk ku/24"

TGL	IN	OUT	JUMLAH	KETERANGAN
18/9/24		2	6	v/ stripping v.3 "007/Prod"
26/9/24		1	5	v/ blister ch2 v.2 "1984/tk"
9/10/24		1	4	v/ blister Accurate v.2 "2088/tk"
17/10/24		2	2	v/ stripping Chung huang v.4 "079/Prod"
18/10/24		1	1	v/ Sealing Accurate blower v.1 "2167/tk"
21/10/24		1	-	v/ Filling save

BIN CARD ENGINEERING

Thermocouple Type K Uk. 5 x 30 mm

NAMA BARANG : v.3 x 15 mm LOKASI : 5-4
KODE BARANG : 1M020033 MINIMUM STOK : 6
SATUAN : Per ORDER QTY : 9

TGL	IN	OUT	JUMLAH	KETERANGAN
24/5/24			5	
30/5/24		2	3	v/ Sealing Chung huang v.4 "035/Prod"
7/6/24		1	2	v/ water heater v.1 "1040/tk"
25/6/24		1	1	v/ pemanasan Dry Block Temperature Calibrator "1616"
11/08/24		1	-	v/ mesin blower

TGL	IN	OUT	JUMLAH	KETERANGAN
				Unit 4 "1725"
11/12/24	9		9	cv. Hakai Technology Industries No. po: p25T0803
31/12/24		1	8	v/ Pemanasan Season mesin Striping Unit 3 "2386"
27/01/26		1	7	BK-12g
03/02/26		1	6	BK-370
20/03/26		1	5	BK-408
31/03/26		2	43	BK-426
09/04/26		2	1	BK-473

BIN CARD N-4 ENGINEERING

Thermocouple Type. K Uk. 5 x 30 mm

NAMA BARANG : LOKASI :
KODE BARANG : 1M020033 MINIMUM STOK : 6
SATUAN : PCS ORDER QTY : 9

TGL	IN	OUT	JUMLAH	KETERANGAN
				v.5
				"2276/TK"
19/1/24	9		9	Andhika Mitha Kostari - PT
4/12/24		2	7	v/Stripping 5 U.4
				"2537/TK"
13/1/24		2	5	v/Plaster 00A2 U.1 NOL
				"2603/TK"
24/1/24		2	3	v/Stripping U.3
				"2691/TK"

TGL	IN	OUT	JUMLAH	KETERANGAN
06/1/25		2	1	v/Shipping U.4 Chunglans 5 "027"
30/1/25		1	-	v/Sealing Stripping U.4
				"186/TK"
4/2/25	9		9	CV. HAKAI TECHNOLOGY INDUSTRIES
14/4/25		1	8	v/Penggantian di mesin Stripping U.4
				"691/TK"
22/5/25		1	7	v/Stripping Chunglans U.2
				"916/TK"
24/5/25		2	5	v/Plaster 00A3

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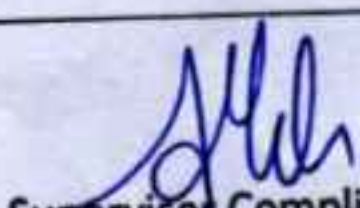
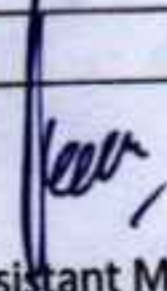
NAMA BARANG	Thermocouple
TYPE / BRAND	Uk. 5 x 30 mm
DIGUNAKAN UNTUK	Stripping, Blister, Tanki PW Southern, dan Oven Salvis

NO	DIPAKAI UNTUK	LOKASI	JUMLAH PERALATAN [A]	JUMLAH BARANG / SATU ALAT [B]	TOTAL [A x B]
1	Stripping	Produksi U.2	2	2	4
2		Produksi U.3	3	2	6
3		Produksi U.4	8	2	16
4	Blister	Produksi U.1	6	3	18
5		Produksi U.2	2	3	6
6		Produksi U.3	1	3	3
7		Produksi U.4	7	3	21
8	Tanki PW Southern	Tangki PW Southern	1	1	1
9	Oven Salvis	Lab Mikro	1	1	1
10		Lab Unit 2 Lantai 2	1	1	1
TOTAL THERMOCOUPLE UK. 5 x 30 mm TERPASANG					77 Pcs

A	Mean Time Between Failure (MTBF)	24 Months
B	MTBF Assumption	24 Months
C	Avarage Months consumption	24 77 75 Pcs/ 24 Months = 3 Pcs
D	Lead Time	2 Months (From SPB)
E	Decide to maintain minimal stock	$(C \times D) = 3 \times 2 = 6 \text{ Pcs}$
F	Decide to maintain Order Point (100% - 150%)	$(150\% \times E) = 150\% \times 6 = 9 \text{ Pcs}$

ROPOSAL TO SECURE OF SUPPLY

MINIMUM STOCK	ORDER QUANTITY
6	9

Di Susun Oleh	Diperiksa		Mengetahui
	 Supervisor Compliance	 Assistant Manager	 Manager Engineering

BIN CARD ENGINEERING

+8

Lampu Bohlam Sein Mobil
24V Kaki 1 10 Watt SPK BA1555

NAMA BARANG : LOKASI : ~~B7~~

KODE BARANG : M012/51 MINIMUM STOK :

SATUAN : Per ORDER QTY :

TGL	IN	OUT	JUMLAH	KETERANGAN
05/03/25	11		11	TOKOPEDIA
14/3/25		6	5	1/4 VEHICLE
				emiter vial
				6 Ampoule
				U.1 Steril
				"549/TK"
15/3 ²⁵		3	2	1/4 Filling vial
				U.1 Steril
				"566/TK"
20/3 ²⁵		2	-	1/4 Filling vial
				emergency
				U.1 Steril
				"609/TK"

TGL	IN	OUT	JUMLAH	KETERANGAN
19/04 ²⁴	10		10	Koko Pedlia.
19/04 ²⁴		9	1	1/4 Pakitir counter
				"1780 TK"
17/12 ²⁵		1	-	1/4 Penggantian
				lampu mesin
				Ampoule unit
				1 skin "2302"
18/06 ²⁶	10		10	BM - 038
25/02 ²⁶		3	7	BK - 277
03/03 ²⁶		4	3	BK - 307
07/04 ²⁶	10		13	BM. 095
07/04 ²⁶		8	5	BK - 458

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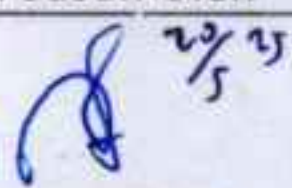
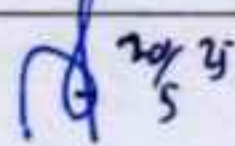
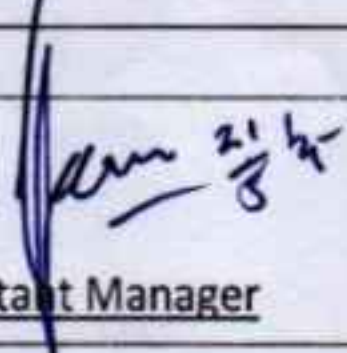
NAMA BARANG	Lampu Bohlam Kecil 24V 8W Kaki 1 / Kaki 2
TYPE / BRAND	G18.5 24V10W BA15S
DIGUNAKAN UNTUK	Partikel counter, dan Warning Light
PACKAGING ORIGINAL	1 Dus @ 10 Pcs
PEMBELIAN	Lokal

NO	DIPAKAI UNTUK	LOKASI	JUMLAH PERALATAN [A]	JUMLAH BARANG / SATU ALAT [B]	TOTAL [A x B]
1	Partikel Counter Filling Ampul	Produksi U.1 Setril	3	3	9
2	Partikel Counter Filling Vial	Produksi U.1 Setril	1	3	3
3	Warning Light Interlock	Produksi U.1 Setril	4	1	4
4		Produksi U.5 Setril	1	1	1
5	Warning Light Cooldstorage	Produksi U.5 Setril	1	1	1
6	Warning Light Cooldstorage	Post 1 Secutity	1	1	1
TOTAL LAMPU BOHLAM KECIL 24 V MODEL G18.5 24V10W BA15S TERPASANG					19 Pcs

A	Mean Time Between Failure (MTBF)	12 Months
B	MTBF Assumption	12 Months
C	Avarage Months consumption	19 / 12 Months = 1,6 Pcs
D	Lead Time	2 Months (From SPB)
E	Decide to maintain minimal stock	(C x D) = 1,6 x 2 = 3,2 = 3 Pcs
F	Decide to maintain Order Point (100% - 150%)	(150% x E) = 150% x 3 = 5 =10 Pcs [Packaging Original 1 Dus @ 10 Pcs]

PROPOSAL TO SECURE OF SUPPLY

MINIMUM STOCK	ORDER QUANTITY
3	10

Di Susun Oleh	Diperiksa		Mengetahui
			
	Supervisor Compliance	Assistant Manager	Engineering Manager

Pneumatic Cylinder Airtac SC 80 x 250

NAMA BARANG : LOKASI : ~~1~~ = 3

KODE BARANG : 14016390 MINIMUM STOK : 1

SATUAN : per ORDER QTY : 2

TGL	IN	OUT	JUMLAH	KETERANGAN
06/05/24	1		1	
08/05/24		1	-	u/ Penggantian Air Cylinder mesin FBS unit 3 11872/FBS/K/1/24
18/25 /02	2		2	Aimido Teknologi Pupasa
13/24 /10		1	1	u/ Penggantian Air Cylinder 5 HL 1200 "1958"
21/24 /11	2		3	PR. Aimido Teknologi Pupasa -
18/26 /02		1	2	32-238

TGL	IN	OUT	JUMLAH	KETERANGAN
16/26		1	1	BK - 375
03				

SPAREPARTS

JUSTIFICATIONS

Tanggal : 3 Januari 2025

Revisi : 00

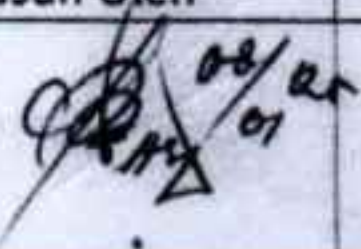
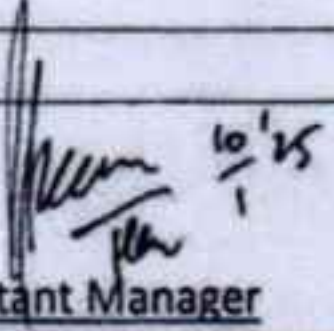
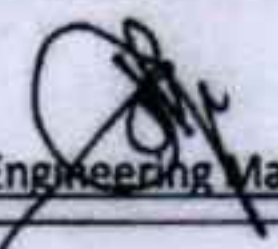
NAMA BARANG	Pneumatic Cylinder
TYPE / BRAND	SC 80 x 250 / $\varnothing$ 80 mm Stroke 250 mm non magnetik.
PEMBELIAN	Lokal
DIGUNAKAN UNTUK	FBG, FBD, dan Blowing

NO	DIPAKAI UNTUK	LOKASI	JUMLAH PERALATAN [A]	JUMLAH BARANG / SATU ALAT [B]	TOTAL [A x B]
1	FBG	Produksi U.1	3	2	6
2		Produksi U.3	1	2	2
3		Produksi U.4	1	2	2
4	FBD	Produksi U.4	3	2	6
TOTAL PNEUMATIC CYLINDER SC 80 x 250 TERPASANG					16 Pcs

A	Mean Time Between Failure (MTBF)	36 Months
B	MTBF Assumption	36 Months
C	Avarage Months consumption	16 Pcs/ 36 Months = 0,4 Pcs
D	Lead Time	2 Months (From SPB)
E	Decide to maintain minimal stock	(C x D) = 0,4 x 2 = 0,8 = 1 Pcs
F	Decide to maintain Order Point (100% - 150%)	(150% x E) = 150% x 1 =1,5 = 2 Pcs

PROPOSAL TO SECURE OF SUPPLY

MINIMUM STOCK	ORDER QUANTITY
1	2

Di Susun Oleh	Diperiksa		Mengetahui
			
	Supervisor Compliance	Assistant Manager	Engineering Manager

