

No : PF000401

Tanggal : 23 Februari 2026

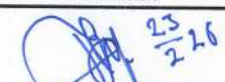
Dari : Engineering

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 | Supplier |               |              |                   |                |
| 1  | IMO08017    | United Heater |              |      | Ø 14 mm<br>P : 460 mm<br>7500 WATT, 380 VOLT | PCS    | -                 | -      | -      |          | 0             | 8            | 12                | SP-ELC-011     |

**Catatan :**

\* Permintaan United Heater Ø 14 mm P : 460 mm 7500 WATT, 380 VOLT sudah dibawah minimum stock sehingga perlu diajukan permintaan terhadap SUnited Heater Ø 14 mm P : 460 mm 7500 WATT, 380 VOLT Tersebut

|                                                                                               |                                                                                                |                                                                                              |
|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Sparepart Controller                                                                          | Asst. Manager                                                                                  | MANAGER                                                                                      |
|  23/26<br>07. |  25/26<br>02 |  23<br>26 |
| AJKA AMIRIN                                                                                   | FIRMAN AB                                                                                      | HERMAWAN WIDYAPRASETYA                                                                       |



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

**LUKASI**

**MINIMUM STOK :**

: pc

ORDER QTY

[illegible][illegible]

|                                                                                                                                                                                          |                                        |  |                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--|----------------------------|
|  <b>mersi</b><br><i>Good Quality Improves Life's Quality</i><br>PT. MERSIFARMA TM.<br>SUKABUMI-INDONESIA | <h1>SPAREPARTS<br/>JUSTIFICATIONS</h1> |  | Nomor : SP-ELC-010         |
|                                                                                                                                                                                          |                                        |  | Tanggal : 23 FEBRUARI 2026 |
|                                                                                                                                                                                          |                                        |  | Revisi : 01                |

|                 |                                      |
|-----------------|--------------------------------------|
| 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                                                                                                               |
|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <br>MRS 26/02/26 | <br>26/02/26<br>Supervisor Compliance | <br>26/02/26<br>Assistant Manager | <br>26/02/26<br>Engineering Manager |



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PT. MERSIFARMA TM.  
SUKABUMI-INDONESIA

# SPAREPARTS JUSTIFICATIONS

Nomor : SP-ELC-010

Tanggal : 23 FEBRUARI 2026

Revisi : 01

|                 |                                      |
|-----------------|--------------------------------------|
| 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)              | 24 Months                     | 24v. 6 Bulan |
| B | MTBF Assumption                               | 24 Months                     | 4.5 6 bul    |
| C | Average Months consumption                    | 9 Pcs/ 24 Months = 0.3 Pcs    | 0.75 1.5     |
| D | Lead Time                                     | 2 Months (From SPB)           |              |
| E | Decide to maintain minimal stock              | (C x D) = 2 x 0.3 = 1 Pcs     | 1.5 x 2 = 3  |
| 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 |
|---------------|----------------|
| 1             | 2              |

Mern x Buler  
Buler  
 $\frac{9}{3} = 3$   
 $\frac{9}{2} = 4.5$

| Di Susun Oleh | Diperiksa             |                   | Mengetahui          |
|---------------|-----------------------|-------------------|---------------------|
|               | Supervisor Compliance | Assistant Manager | Engineering Manager |

$\frac{9}{2} = 4.5$   
 $\frac{4.5}{2} = 2.25 = 3$

$\frac{9}{12} = \frac{3}{4}$   
 $\frac{3}{4} = 0.75$   
 $\frac{9}{6} = \frac{3}{2} \times 2 = 3$



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SUKABUMI-INDONESIA

# SPAREPARTS JUSTIFICATIONS

Nomor : SP-ELC-010

Tanggal : 23 FEBRUARI 2026

Revisi : 001

|                 |                                                |
|-----------------|------------------------------------------------|
| NAMA BARANG     | UNITED HEATER 380 V 7500 WATT (Tubular Heater) |
| 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)              | 36 Months                      |
| B | MTBF Assumption                               | 36 Months                      |
| C | Avarage Months consumption                    | 9 Pcs/ 36 Months = 4 Pcs       |
| D | Lead Time                                     | 2 Months (From SPB)            |
| E | Decide to maintain minimal stock              | (C x D) = 2 x 4 = 8 Pcs        |
| F | Decide to maintain Order Point ( 100% - 150%) | (100% x E) = 100% x 8 = 12 Pcs |

## ROPOSAL TO SECURE OF SUPPLY

| MINIMUM STOCK | ORDER QUANTITY |
|---------------|----------------|
| 8             | 12             |

8/10

23/02/26  
MAB

12/15

25/02/26  
MAB

| Di Susun Oleh   | Diperiksa                         |                               | Mengetahui                      |
|-----------------|-----------------------------------|-------------------------------|---------------------------------|
| 23/02/26<br>MAB | 23/02/26<br>Supervisor Compliance | 23/02/26<br>Assistant Manager | 23/02/26<br>Engineering Manager |

$$\begin{aligned}
 \text{MTBF} &= 12 \text{ Month} \\
 \Delta V &= 9/12 = 3/4 / \text{month} = 0.75 \\
 &= 2 \times 0.75 \\
 &= 1.5 \\
 &= 2 \text{ pcs} \times 1.5 = 3 \text{ pcs}
 \end{aligned}$$