

Lampiran 1  
Data Downtime mesin PDE

| Part           | Loading Time (Jam) | Downtime       |                        |                 |               |                   |                | Total Down time | Keterangan  |
|----------------|--------------------|----------------|------------------------|-----------------|---------------|-------------------|----------------|-----------------|---|
|                |                    | Inspeksi (Jam) | Ganti Spare Part (Jam) | Ganti Oli (Jam) | Setting (Jam) | Pembersihan (Jam) | Shutdown Mesin |                 |   |
| <b>Januari</b> |                    |                |                        |                 |               |                   |                |                 |   |
| 9              | 16                 | 0,5            | 0,17                   |                 |               |                   |                | 0,67            | Filter BB tabung Ka dan Ki PDE Kanan & Kiri                                       |
| 10             | 14                 | 0,5            |                        |                 |               |                   |                | 0,5             |   |
| 16             | 24                 | 1              | 0,17                   |                 |               |                   |                | 1,17            | filter BB Tabung Ka PDE Ka, Filter Mate PDE Ka & Ki                               |
| 17             | 10                 | 0,42           | 0,17                   |                 |               | 0,17              |                | 0,76            | filter BB Tabung Ka PDE Ki, Pembersihan filter udara, pembersihan filter qualizer |
| 19             | 20                 | 0,83           |                        |                 |               |                   |                | 0,83            |   |
| 20             | 20                 | 0,83           | 0,17                   |                 |               |                   |                | 1               | filter BB Tabung Ka PDE Ka & Ki   |
| 21             | 8                  | 0,3            |                        |                 |               |                   |                | 0,3             |   |
| 25             | 16                 | 0,7            | 0,17                   |                 |               | 0,17              |                | 1,04            | filter BB Tabung Ki PDE Ka & Ki, pembersihan strainer                             |
| 26             | 9                  | 0,5            |                        |                 |               |                   |                | 0,5             |   |
| <b>April</b>   |                    |                |                        |                 |               |                   |                |                 |   |
| 2              | 11                 | 0,5            | 0,17                   |                 |               |                   | 1              | 1,67            | Ganti filter duplex PDE, PTH: Temp. oli GB Tinggi                                 |
| 3              | 20                 | 0,83           |                        |                 |               |                   |                | 0,83            |   |
| 4              | 15                 | 0,7            | 0,17                   |                 |               |                   |                | 0,87            | Ganti filter mate PDE   |
| 5              | 15                 | 0,7            |                        |                 |               |                   |                | 0,7             |   |
| 6              | 8                  | 0,3            |                        |                 |               |                   |                | 0,3             |   |
| 7              | 21                 | 0,83           |                        |                 |               |                   |                | 0,83            |   |
| 8              | 16                 | 0,7            | 0,17                   |                 |               |                   |                | 0,87            | Ganti filter duplex PDE   |
| 9              | 18                 | 0,7            |                        |                 |               |                   |                | 0,7             |   |
| 10             | 22                 | 0,83           |                        |                 |               |                   |                | 0,83            |   |
| 11             | 6                  | 0,3            |                        |                 |               |                   |                | 0,3             |   |
| 12             | 15                 | 0,7            |                        |                 |               | 0,17              |                | 0,87            | Pembersihan Filter coalleser pada strainer BB PDE Ki, Pembersihan Filter udara    |
| I              | 304                | 12,67          | 1,36                   | 0               | 0             | 0,51              | 1              | 15,54           |   |

| TGL            | Loading Time (Jam) | Downtime       |                        |                 |               |                   |                | Total Downtime | Keterangan  |
|----------------|--------------------|----------------|------------------------|-----------------|---------------|-------------------|----------------|----------------|---|
|                |                    | Inspeksi (Jam) | Ganti Spare Part (Jam) | Ganti Oli (Jam) | Setting (Jam) | Pembersihan (Jam) | Shutdown Mesin |                |   |
| 20             | 2                  | 0,17           |                        |                 |               |                   |                | 0,17           |   |
| 21             | 3                  | 0,17           |                        |                 |               |                   |                | 0,17           |   |
| 23             | 5                  | 0,17           | 0,17                   |                 |               |                   |                | 0,34           | Ganti filter mate PDE                                       |
| 24             | 3                  | 0,17           | 0,17                   |                 |               |                   |                | 0,34           | Ganti filter duplex PDE,                                    |
| 25             | 3                  | 0,17           |                        |                 |               |                   |                | 0,17           |   |
| 26             | 3                  | 0,17           |                        |                 |               |                   |                | 0,17           |   |
| 27             | 4                  | 0,17           | 0,17                   |                 |               |                   |                | 0,34           | Ganti filter duplex PDE                                     |
| <b>Agustus</b> |                    |                |                        |                 |               |                   |                |                |   |
| 5              | 18                 | 0,7            | 0,17                   |                 |               | 0,17              |                | 1,04           | ganti filter duplex, pembersihan filter strainer/coallesser |
| 6              | 24                 | 1              |                        |                 |               |                   |                | 1              |   |
| 7              | 24                 | 1              |                        |                 |               |                   |                | 1              |   |
| 8              | 7                  | 0,3            | 0,17                   |                 |               |                   |                | 0,47           | ganti filter cartridge, ganti filter mate turbo             |
| 10             | 16                 | 0,7            | 0,17                   |                 |               |                   |                | 0,87           | Pembersihan filter udara                                    |
| 11             | 20                 | 0,83           | 0,17                   |                 |               |                   |                | 1              | ganti filter duplex   |
| 12             | 2                  | 0,17           |                        |                 |               |                   |                | 0,17           |   |
| 13             | 5                  | 0,17           |                        |                 |               |                   |                | 0,17           |   |
| 16             | 9                  | 0,33           |                        |                 |               |                   |                | 0,33           |   |
| 17             | 14                 | 0,5            |                        |                 |               |                   |                | 0,5            |   |
| 18             | 12                 | 0,5            | 0,17                   |                 |               |                   |                | 0,67           | ganti filter duplex   |
| 21             | 3                  | 0,17           | 0,17                   |                 |               |                   |                | 0,34           | Ganti filter mate   |
| 23             | 17                 | 0,7            |                        |                 |               |                   |                | 0,7            |   |
| 24             | 9                  | 0,3            |                        |                 |               |                   |                | 0,3            |   |
| II             | 203                | 8,56           | 1,53                   | 0               | 0             | 0,17              | 0              | 10,26          |   |

| TGL              | Loading Time (Jam) | Downtime       |                        |                 |               |                   |                | Total Down time | Keterangan  |
|------------------|--------------------|----------------|------------------------|-----------------|---------------|-------------------|----------------|-----------------|---|
|                  |                    | Inspeksi (Jam) | Ganti Spare Part (Jam) | Ganti Oli (Jam) | Setting (Jam) | Pembersihan (Jam) | Shutdown Mesin |                 |   |
| 25               | 4                  | 0,17           |                        |                 |               |                   |                | 0,17            |   |
| 26               | 24                 | 1              | 0,17                   | 0,5             |               |                   |                | 1,67            | ganti filter duplex, ganti oli dan pembersihan filter oli |
| 27               | 24                 | 1              |                        |                 |               |                   |                | 1               |   |
| 28               | 22                 | 0,8            |                        |                 |               |                   | 1              | 1,8             | Mesin perbaikan   |
| 30               | 11                 | 0,5            |                        |                 |               |                   |                | 0,5             |   |
| 31               | 10                 | 0,5            | 0,17                   |                 |               |                   |                | 0,67            | Pembersihan filter udara, ganti filter mate turbo         |
| <b>September</b> |                    |                |                        |                 |               |                   |                |                 |   |
| 1                | 16                 | 0,67           | 0,17                   |                 |               |                   |                | 0,84            | ganti filter duplex                                       |
| 2                | 7                  | 0,3            |                        |                 |               |                   |                | 0,3             |   |
| 3                | 10                 | 0,42           |                        |                 |               |                   |                | 0,42            |   |
| 4                | 2                  |                |                        |                 |               |                   |                | 0               |   |
| 28               | 8                  | 0,33           | 0,17                   |                 |               |                   |                | 0,5             | Ganti filter mate   |
| 29               | 8                  | 0,33           |                        |                 |               |                   |                | 0,33            |   |
| 30               | 2                  |                |                        |                 |               |                   |                | 0               |   |
| <b>Oktober</b>   |                    |                |                        |                 |               |                   |                |                 |   |
| 3                | 5                  | 0,17           | 0,17                   |                 |               |                   |                | 0,34            | Ganti filter dulex  |
| 7                | 6                  | 0,3            |                        |                 |               | 0,17              |                | 0,47            | pembersihan filter strainer/coallesser                    |
| 8                | 3                  | 0,17           |                        |                 |               |                   |                | 0,17            |   |
| 10               | 2                  | 0,17           | 0,17                   |                 |               |                   |                | 0,34            | Ganti filter mate   |
| 11               | 10                 | 0,33           | 0,17                   |                 |               | 0,17              |                | 0,67            | Pembersihan filter udara, ganti filter mate turbo         |
| 12               | 8                  | 0,33           |                        |                 |               |                   |                | 0,33            |   |
| 13               | 1                  | 0,17           |                        |                 |               |                   |                | 0,17            |   |
| 14               | 7                  | 0,33           |                        |                 |               |                   |                | 0,33            |   |
| III              | 190                | 7,99           | 1,19                   | 0,5             | 0             | 0,34              | 1              | 11,02           |   |

Lampiran 2  
Data Downtime Mesin PEM

| TGL            | Loading Time (Jam) | Loading Time (Menit) | Downtime       |                        |                 |               |                   | Down time    | Keterangan                                      |                |
|----------------|--------------------|----------------------|----------------|------------------------|-----------------|---------------|-------------------|--------------|---|----------------|
|                |                    |                      | Inspeksi (Jam) | Ganti Spare Part (Jam) | Ganti Oli (Jam) | Setting (Jam) | Pembersihan (Jam) |              |   | Shutdown Mesin |
| <b>APRIL</b>   |                    |                      |                |                        |                 |               |                   |              |   |                |
| 7              | 3                  | 180                  | 0,25           |                        |                 |               |                   | 0,25         | Pemeriksaan rutin                               |                |
| 8              | 6                  | 360                  | 0,33           |                        |                 |               |                   | 0,33         | Pemeriksaan rutin                               |                |
| 11             | 18                 | 1080                 | 1              |                        |                 |               |                   | 1            | Pemeriksaan rutin                               |                |
| 12             | 8                  | 480                  | 0,5            |                        |                 |               |                   | 0,5          | Pemeriksaan rutin                               |                |
| 22             | 16                 | 960                  | 1              |                        |                 | 0,5           |                   | 1,5          | Pemeriksaan Rotor dan Stator, pemeriksaan rutin |                |
| 23             | 11                 | 660                  | 0,75           |                        |                 |               |                   | 0,75         | Pemeriksaan rutin                               |                |
| 24             | 13                 | 780                  | 0,75           |                        |                 |               |                   | 0,75         | Pemeriksaan rutin                               |                |
| 25             | 5                  | 300                  | 0,33           |                        |                 |               |                   | 0,33         | Pemeriksaan rutin                               |                |
| 26             | 21                 | 1260                 | 1,25           |                        |                 |               |                   | 1,25         | Pemeriksaan rutin                               |                |
| 27             | 4                  | 240                  | 0,25           |                        |                 |               |                   | 0,25         | Pemeriksaan rutin                               |                |
| <b>AGUSTUS</b> |                    |                      |                |                        |                 |               |                   |              |   |                |
| 11             | 4                  | 240                  | 0,25           |                        |                 |               |                   | 0,25         | Pemeriksaan rutin                               |                |
| 12             | 22                 | 1320                 | 1,25           |                        |                 |               |                   | 1,25         | Pemeriksaan rutin                               |                |
| 13             | 19                 | 1140                 | 1,25           |                        |                 |               |                   | 1,25         | Pemeriksaan rutin                               |                |
| 14             | 24                 | 1440                 | 1,5            |                        |                 |               |                   | 1,5          | Pemeriksaan rutin                               |                |
| 15             | 24                 | 1440                 | 1,5            |                        |                 |               |                   | 1,5          | Pemeriksaan rutin                               |                |
| 16             | 24                 | 1440                 | 1,5            |                        |                 |               |                   | 1,5          | Pemeriksaan rutin                               |                |
| 17             | 10                 | 600                  | 0,5            |                        |                 | 0,5           |                   | 1            | Pemeriksaan Rotor dan stator, Pemeriksaan rutin |                |
|                | <b>232</b>         |                      |                |                        |                 |               |                   | <b>15,16</b> |   |                |
|                |                    |                      | <b>PART I</b>  |                        |                 |               |                   |              |   |                |

| TGL              | Loading Time (Jam) | Loading Time (Menit) | Downtime       |                        |                 |               |                   | Down time | Keterangan   |   |
|------------------|--------------------|----------------------|----------------|------------------------|-----------------|---------------|-------------------|-----------|--------------|---|
|                  |                    |                      | Inspeksi (Jam) | Ganti Spare Part (Jam) | Ganti Oli (Jam) | Setting (Jam) | Pembersihan (Jam) |           |              | Shutdown Mesin                                  |
| 21               | 9                  | 540                  | 0,5            |                        |                 |               |                   |           | 0,5          | Pemeriksaan rutin                               |
| 22               | 24                 | 1440                 | 1,5            |                        |                 |               |                   |           | 1,5          | Pemeriksaan rutin                               |
| 23               | 7                  | 420                  | 0,33           |                        |                 |               |                   |           | 0,33         | Pemeriksaan rutin                               |
| 24               | 15                 | 900                  | 1              |                        |                 |               |                   |           | 1            | Pemeriksaan rutin                               |
| 25               | 8                  | 480                  | 0,5            |                        |                 |               |                   |           | 0,5          | Pemeriksaan rutin                               |
| 28               | 2                  | 120                  | 0,25           |                        |                 |               |                   |           | 0,25         | Pemeriksaan rutin                               |
| 29               | 24                 | 1440                 | 1,5            |                        |                 |               |                   |           | 1,5          | Pemeriksaan rutin                               |
| 30               | 12                 | 720                  | 0,25           |                        |                 |               |                   |           | 0,25         | Pemeriksaan rutin                               |
| <b>SEPTEMBER</b> |                    |                      |                |                        |                 |               |                   |           |              |   |
| 2                | 17                 | 1020                 | 1              |                        |                 |               |                   |           | 1            | Pemeriksaan rutin                               |
| 3                | 14                 | 840                  | 0,75           |                        |                 |               |                   |           | 0,75         | Pemeriksaan rutin                               |
| 4                | 10                 | 600                  | 0,5            |                        |                 |               |                   |           | 0,5          | Pemeriksaan rutin                               |
| 29               | 8                  | 480                  | 0,5            |                        |                 |               |                   |           | 0,5          | Pemeriksaan rutin                               |
| 30               | 6                  | 360                  | 0,33           |                        |                 |               |                   |           | 0,33         | Pemeriksaan rutin                               |
| <b>OKTOBER</b>   |                    |                      |                |                        |                 |               |                   |           |              |   |
|                  |                    | 0                    |                |                        |                 |               |                   |           | 0            |   |
| 5                | 9                  | 540                  | 0,5            |                        |                 |               |                   |           | 0,5          | Pemeriksaan rutin                               |
| 8                | 12                 | 720                  | 0,75           |                        |                 |               | 0,5               |           | 1,25         | Pemeriksaan Rotor dan stator, Pemeriksaan rutin |
| 10               | 11                 | 660                  | 0,75           |                        |                 |               |                   |           | 0,75         | Pemeriksaan rutin                               |
| 12               | 7                  | 420                  | 0,5            |                        |                 |               |                   |           | 0,5          | Pemeriksaan rutin                               |
| 13               | 23                 | 1380                 | 1,5            |                        |                 |               |                   |           | 1,5          | Pemeriksaan rutin                               |
|                  | <b>218</b>         |                      | <b>38,59</b>   | <b>PART II</b>         |                 |               |                   |           | <b>13,41</b> |   |

Lampiran 3  
Data Loading Time Mesin PDE

| TGL             | PROPULSI DIESEL ENGINE |     |     |     |     |     | JUMLAH     |
|-----------------|------------------------|-----|-----|-----|-----|-----|------------|
|                 | PH                     | SH  | PTH | MH  | LH  | DH  |            |
|                 | Jam                    | Jam | Jam | Jam | Jam | Jam |            |
| <b>JANUARI</b>  |                        |     |     |     |     |     |            |
| 9               | 4                      | 4   | 4   | 4   | 0   | 0   | 16         |
| 10              | 2                      | 4   | 0   | 0   | 4   | 4   | 14         |
| 14              | 0                      | 0   | 0   | 0   | 0   | 0   | 0          |
| 16              | 4                      | 4   | 4   | 4   | 4   | 4   | 24         |
| 17              | 4                      | 0   | 0   | 0   | 4   | 2   | 10         |
| 18              | 4                      | 0   | 0   | 0   | 4   | 4   | 12         |
| 20              | 0                      | 4   | 4   | 4   | 4   | 4   | 20         |
| 21              | 0                      | 0   | 0   | 0   | 4   | 4   | 8          |
| 25              | 4                      | 4   | 4   | 4   | 0   | 0   | 16         |
| 26              | 3                      | 0   | 0   | 0   | 4   | 2   | 9          |
| <b>APRIL</b>    |                        |     |     |     |     |     |            |
| 2               | 0                      | 2   | 3   | 4   | 2   | 0   | 11         |
| 3               | 4                      | 4   | 4   | 4   | 0   | 4   | 20         |
| 4               | 4                      | 0   | 3   | 0   | 4   | 4   | 15         |
| 5               | 4                      | 3   | 0   | 0   | 4   | 4   | 15         |
| 6               | 0                      | 0   | 4   | 4   | 0   | 0   | 8          |
| 7               | 4                      | 4   | 4   | 1   | 4   | 4   | 21         |
| 8               | 4                      | 4   | 4   | 4   | 0   | 0   | 16         |
| 9               | 0                      | 4   | 4   | 4   | 4   | 2   | 18         |
| 10              | 4                      | 4   | 4   | 4   | 4   | 2   | 22         |
| 11              | 0                      | 0   | 0   | 0   | 4   | 2   | 6          |
| 12              | 4                      | 3   | 0   | 0   | 4   | 4   | 15         |
| <b>Bagian I</b> |                        |     |     |     |     |     | <b>296</b> |

| TGL              | PROPULSI DIESEL ENGINE |     |     |     |     |     | JUMLAH     |
|------------------|------------------------|-----|-----|-----|-----|-----|------------|
|                  | PH                     | SH  | PTH | MH  | LH  | DH  |            |
|                  | Jam                    | Jam | Jam | Jam | Jam | Jam |            |
| 20               | 0                      | 0   | 0   | 0   | 2   | 0   | 2          |
| 21               | 0                      | 0   | 0   | 0   | 3   | 0   | 3          |
| 23               | 4                      | 0   | 0   | 1   | 0   | 0   | 5          |
| 24               | 1                      | 2   | 0   | 0   | 0   | 0   | 3          |
| 25               | 0                      | 0   | 3   | 0   | 0   | 0   | 3          |
| 26               | 3                      | 0   | 0   | 0   | 0   | 0   | 3          |
| 27               | 0                      | 0   | 0   | 0   | 0   | 4   | 4          |
| <b>AGUSTUS</b>   |                        |     |     |     |     |     | 0          |
| 5                | 4                      | 4   | 4   | 4   | 0   | 2   | 18         |
| 6                | 4                      | 4   | 4   | 4   | 4   | 4   | 24         |
| 7                | 4                      | 4   | 4   | 4   | 4   | 4   | 24         |
| 8                | 0                      | 0   | 0   | 0   | 3   | 4   | 7          |
| 10               | 4                      | 4   | 4   | 4   | 0   | 0   | 16         |
| 11               | 4                      | 4   | 4   | 0   | 4   | 4   | 20         |
| 12               | 2                      | 0   | 0   | 0   | 0   | 0   | 2          |
| 13               | 0                      | 0   | 0   | 0   | 3   | 2   | 5          |
| 16               | 3                      | 3   | 0   | 0   | 0   | 3   | 9          |
| 17               | 2                      | 4   | 4   | 4   | 0   | 0   | 14         |
| 18               | 4                      | 0   | 0   | 0   | 4   | 4   | 12         |
| 21               | 0                      | 0   | 0   | 0   | 3   | 0   | 3          |
| 23               | 4                      | 4   | 4   | 4   | 0   | 1   | 17         |
| 24               | 1                      | 0   | 0   | 0   | 4   | 4   | 9          |
| <b>Bagian II</b> |                        |     |     |     |     |     | <b>203</b> |

| TGL              | PROPULSI DIESEL ENGINE |     |     |     |     |     | JUMLAH     |
|------------------|------------------------|-----|-----|-----|-----|-----|------------|
|                  | PH                     | SH  | PTH | MH  | LH  | DH  |            |
|                  | Jam                    | Jam | Jam | Jam | Jam | Jam |            |
| 25               | 4                      | 0   | 0   | 0   | 0   | 0   | 4          |
| 26               | 4                      | 4   | 4   | 4   | 4   | 4   | 24         |
| 27               | 4                      | 4   | 4   | 4   | 4   | 4   | 24         |
| 28               | 4                      | 4   | 4   | 2   | 4   | 4   | 22         |
| 30               | 0                      | 3   | 4   | 4   | 0   | 0   | 11         |
| 31               | 2                      | 0   | 0   | 0   | 4   | 4   | 10         |
| <b>SEPTEMBER</b> |                        |     |     |     |     |     | 0          |
| 1                | 4                      | 4   | 4   | 4   | 0   | 0   | 16         |
| 2                | 0                      | 0   | 0   | 0   | 4   | 3   | 7          |
| 3                | 0                      | 4   | 4   | 2   | 0   | 0   | 10         |
| 4                | 2                      | 0   | 0   | 0   | 0   | 0   | 2          |
| 28               | 0                      | 0   | 4   | 4   | 0   | 0   | 8          |
| 29               | 0                      | 0   | 0   | 0   | 4   | 4   | 8          |
| 30               | 0                      | 0   | 0   | 0   | 0   | 2   | 2          |
| <b>OKTOBER</b>   |                        |     |     |     |     |     | 0          |
| 3                | 0                      | 5   | 0   | 0   | 0   | 0   | 5          |
| 7                | 4                      | 0   | 0   | 0   | 0   | 2   | 6          |
| 8                | 0                      | 0   | 0   | 0   | 0   | 3   | 3          |
| 10               | 0                      | 0   | 2   | 0   | 0   | 0   | 2          |
| 11               | 4                      | 4   | 2   | 0   | 0   | 0   | 10         |
| 12               | 4                      | 3   | 1   | 0   | 0   | 0   | 8          |
| 13               | 0                      | 0   | 0   | 1   | 0   | 0   | 1          |
| 14               | 0                      | 0   | 0   | 0   | 4   | 3   | 7          |
| <b>Bagian 3</b>  |                        |     |     |     |     |     | <b>190</b> |

Lampiran 4  
Data Loading Time Mesin PEM

| TGL                 | PROPULSION ELECTRIC MOTOR |     |     |     |     |     | JUMLAH     |
|---------------------|---------------------------|-----|-----|-----|-----|-----|------------|
|                     | PH                        | SH  | PTH | MH  | LM  | DH  |            |
|                     | Jam                       | Jam | Jam | Jam | Jam | Jam |            |
| <b>April</b>        |                           |     |     |     |     |     |            |
| 7                   | 0                         | 0   | 0   | 3   | 0   | 0   | 3          |
| 8                   | 0                         | 0   | 0   | 0   | 4   | 2   | 6          |
| 11                  | 4                         | 4   | 4   | 4   | 0   | 2   | 18         |
| 12                  | 0                         | 0   | 0   | 0   | 0   | 0   | 0          |
| 20                  | 0                         | 0   | 0   | 0   | 0   | 0   | 0          |
| 21                  | 4                         | 4   | 4   | 4   | 1   | 4   | 21         |
| 22                  | 4                         | 4   | 0   | 0   | 4   | 4   | 16         |
| 23                  | 0                         | 4   | 4   | 3   | 0   | 0   | 11         |
| 24                  | 3                         | 2   | 0   | 0   | 4   | 4   | 13         |
| 25                  | 0                         | 0   | 1   | 4   | 0   | 0   | 5          |
| 26                  | 1                         | 4   | 4   | 4   | 4   | 4   | 21         |
| 27                  | 0                         | 0   | 0   | 0   | 4   | 0   | 4          |
| <b>Agustus</b>      |                           |     |     |     |     |     |            |
| 11                  | 0                         | 0   | 0   | 4   | 0   | 0   | 4          |
| 12                  | 2                         | 4   | 4   | 4   | 4   | 4   | 22         |
| 13                  | 4                         | 4   | 4   | 4   | 1   | 2   | 19         |
| 14                  | 4                         | 4   | 4   | 4   | 4   | 4   | 24         |
| 15                  | 4                         | 4   | 4   | 4   | 4   | 4   | 24         |
| 16                  | 4                         | 4   | 4   | 4   | 4   | 4   | 24         |
| 17                  | 2                         | 0   | 0   | 0   | 4   | 4   | 10         |
| 21                  | 0                         | 0   | 5   | 4   | 0   | 0   | 9          |
| 22                  | 4                         | 4   | 4   | 4   | 4   | 4   | 24         |
| 23                  | 0                         | 0   | 0   | 0   | 4   | 3   | 7          |
| 24                  | 3                         | 4   | 4   | 4   | 0   | 0   | 15         |
| 25                  | 0                         | 0   | 0   | 0   | 4   | 4   | 8          |
| 28                  | 0                         | 0   | 0   | 2   | 0   | 0   | 2          |
| 29                  | 4                         | 4   | 4   | 4   | 4   | 4   | 24         |
| 30                  | 4                         | 0   | 0   | 0   | 4   | 4   | 12         |
| <b>SEPTEMBER</b>    |                           |     |     |     |     |     |            |
| 2                   | 4                         | 4   | 4   | 4   | 0   | 1   | 17         |
| 3                   | 4                         | 0   | 0   | 2   | 4   | 4   | 14         |
| 4                   | 2                         | 0   | 0   | 0   | 4   | 4   | 10         |
| 29                  | 0                         | 0   | 4   | 4   | 0   | 0   | 8          |
| 30                  | 0                         | 0   | 0   | 0   | 4   | 2   | 6          |
| <b>OKTOBER</b>      |                           |     |     |     |     |     |            |
| 5                   | 4                         | 3   | 0   | 0   | 0   | 2   | 9          |
| 8                   | 4                         | 4   | 4   | 0   | 0   | 0   | 12         |
| 10                  | 4                         | 4   | 1   | 0   | 0   | 2   | 11         |
| 12                  | 0                         | 0   | 3   | 4   | 0   | 0   | 7          |
| 13                  | 4                         | 4   | 4   | 3   | 4   | 4   | 23         |
| <b>JUMLAH TOTAL</b> |                           |     |     |     |     |     | <b>463</b> |

## Lampiran 5

## Summary Perhitungan Overall Equipment Effectiveness dan Penentuan Data Status Mesin PDE

| Part           | Loading Time (Jam) | Loading Time (Menit) | Down time    | Operation Time (Jam) | Operation Time (Menit) | % Jam Kerja | Processed Amount (RPM) | Waktu Siklus | Idle Cycle Time | Availability (%) | Performance Efficiency (%) | Rate Of Quality Product (%) | OEE (%)      | Status |
|----------------|--------------------|----------------------|--------------|----------------------|------------------------|-------------|------------------------|--------------|-----------------|------------------|----------------------------|-----------------------------|--------------|--------|
| <b>JANUARI</b> |                    |                      |              |                      |                        |             |                        |              |                 |                  |                            |                             |              |        |
| 9              | 16                 | 960                  | 0,67         | 15,33                | 919,8                  | 0,96        | 920                    | 1,04         | 1,00            | 95,8125          | 100,00                     | 89,15                       | 85,41        | 1      |
| 10             | 14                 | 840                  | 0,5          | 13,5                 | 810                    | 0,96        | 920                    | 0,91         | 0,88            | 96,43            | 100,00                     | 89,15                       | 85,96        | 1      |
| 16             | 24                 | 1440                 | 1,17         | 22,83                | 1369,8                 | 0,95        | 750                    | 1,92         | 1,83            | 95,13            | 100,00                     | 72,67                       | 69,13        | 2      |
| 17             | 10                 | 600                  | 0,76         | 9,24                 | 554,4                  | 0,92        | 750                    | 0,80         | 0,74            | 92,40            | 100,00                     | 72,67                       | 67,15        | 2      |
| 19             | 20                 | 1200                 | 0,83         | 19,17                | 1150,2                 | 0,96        | 907                    | 1,32         | 1,27            | 95,85            | 100,00                     | 87,89                       | 84,24        | 2      |
| 20             | 20                 | 1200                 | 1            | 19                   | 1140                   | 0,95        | 908                    | 1,32         | 1,26            | 95,00            | 100,00                     | 87,98                       | 83,59        | 2      |
| 21             | 8                  | 480                  | 0,3          | 7,7                  | 462                    | 0,96        | 900                    | 0,53         | 0,51            | 96,25            | 100,00                     | 87,21                       | 83,94        | 2      |
| 25             | 16                 | 960                  | 1,04         | 14,96                | 897,6                  | 0,94        | 725                    | 1,32         | 1,24            | 93,50            | 100,00                     | 70,25                       | 65,69        | 2      |
| 26             | 9                  | 540                  | 0,5          | 8,5                  | 510                    | 0,94        | 700                    | 0,77         | 0,73            | 94,44            | 100,00                     | 67,83                       | 64,06        | 2      |
| <b>April</b>   |                    |                      |              |                      |                        |             |                        |              |                 |                  |                            |                             |              |        |
| 2              | 11                 | 660                  | 1,67         | 9,33                 | 559,8                  | 0,85        | 705                    | 0,94         | 0,79            | 84,82            | 100,00                     | 68,31                       | 57,94        | 3      |
| 3              | 20                 | 1200                 | 0,83         | 19,17                | 1150,2                 | 0,96        | 900                    | 1,33         | 1,28            | 95,85            | 100,00                     | 87,21                       | 83,59        | 2      |
| 4              | 15                 | 900                  | 0,87         | 14,13                | 847,8                  | 0,94        | 850                    | 1,06         | 1,00            | 94,20            | 100,00                     | 82,36                       | 77,59        | 2      |
| 5              | 15                 | 900                  | 0,7          | 14,3                 | 858                    | 0,95        | 650                    | 1,38         | 1,32            | 95,33            | 100,00                     | 62,98                       | 60,05        | 2      |
| 6              | 8                  | 480                  | 0,3          | 7,7                  | 462                    | 0,96        | 651                    | 0,74         | 0,71            | 96,25            | 100,00                     | 63,08                       | 60,72        | 2      |
| 7              | 21                 | 1260                 | 0,83         | 20,17                | 1210,2                 | 0,96        | 620                    | 2,03         | 1,95            | 96,05            | 100,00                     | 60,08                       | 57,70        | 3      |
| 8              | 22                 | 1320                 | 0,87         | 21,13                | 1267,8                 | 0,96        | 850                    | 1,55         | 1,49            | 96,05            | 100,00                     | 82,36                       | 79,11        | 2      |
| 9              | 18                 | 1080                 | 0,7          | 17,3                 | 1038                   | 0,96        | 850                    | 1,27         | 1,22            | 96,11            | 100,00                     | 82,36                       | 79,16        | 2      |
| 10             | 22                 | 1320                 | 0,83         | 21,17                | 1270,2                 | 0,96        | 510                    | 2,59         | 2,49            | 96,23            | 100,00                     | 49,42                       | 47,55        | 3      |
| 11             | 7                  | 420                  | 0,3          | 6,7                  | 402                    | 0,96        | 850                    | 0,49         | 0,47            | 95,71            | 100,00                     | 82,36                       | 78,83        | 2      |
| 12             | 15                 | 900                  | 0,87         | 14,13                | 847,8                  | 0,94        | 850                    | 1,06         | 1,00            | 94,20            | 100,00                     | 82,36                       | 77,59        | 2      |
| <b>Jumlah</b>  | <b>311,00</b>      | <b>18660,00</b>      | <b>15,54</b> | <b>295,46</b>        | <b>17727,60</b>        | <b>0,95</b> | <b>788,30</b>          | <b>23,67</b> | <b>22,49</b>    | <b>95,00</b>     | <b>100,00</b>              | <b>76,39</b>                | <b>72,45</b> |        |

| TGL            | Loading Time (Jam) | Loading Time (Menit) | Downtime    | Operation Time (Jam) | Operation Time (Menit) | % Jam Kerja | Processed Amount (RPM) | Waktu Siklus  | Idle Cycle Time | Availability (%) | Performance Efficiency (%) | Rate Of Quality Product (%) | OEE (%)      | Status |
|----------------|--------------------|----------------------|-------------|----------------------|------------------------|-------------|------------------------|---------------|-----------------|------------------|----------------------------|-----------------------------|--------------|--------|
| 20             | 2                  | 120                  | 0,17        | 1,83                 | 109,8                  | 0,92        | 600                    | 0,2           | 0,18            | 91,50            | 100,00                     | 58,14                       | 53,20        | 3      |
| 21             | 3                  | 180                  | 0,17        | 2,83                 | 169,8                  | 0,94        | 855                    | 0,21          | 0,20            | 94,33            | 100,00                     | 82,85                       | 78,15        | 2      |
| 23             | 5                  | 300                  | 0,34        | 4,66                 | 279,6                  | 0,93        | 850                    | 0,35          | 0,33            | 93,20            | 100,00                     | 82,36                       | 76,76        | 2      |
| 24             | 3                  | 180                  | 0,34        | 2,66                 | 159,6                  | 0,89        | 850                    | 0,21          | 0,19            | 88,67            | 100,00                     | 82,36                       | 73,03        | 2      |
| 25             | 3                  | 180                  | 0,17        | 2,83                 | 169,8                  | 0,94        | 680                    | 0,26          | 0,25            | 94,33            | 100,00                     | 65,89                       | 62,16        | 2      |
| 26             | 3                  | 180                  | 0,17        | 2,83                 | 169,8                  | 0,94        | 490                    | 0,37          | 0,35            | 94,33            | 100,00                     | 47,48                       | 44,79        | 3      |
| 27             | 4                  | 240                  | 0,34        | 3,66                 | 219,6                  | 0,92        | 700                    | 0,34          | 0,31            | 91,50            | 100,00                     | 67,83                       | 62,06        | 2      |
| <b>AGUSTUS</b> |                    | 0                    |             |                      |                        |             |                        |               |                 |                  |                            |                             |              |        |
| 5              | 18                 | 1080                 | 1,04        | 16,96                | 1017,6                 | 0,94        | 650                    | 1,66          | 1,57            | 94,22            | 100,00                     | 62,98                       | 59,35        | 3      |
| 6              | 24                 | 1440                 | 1           | 23                   | 1380                   | 0,96        | 750                    | 1,92          | 1,84            | 95,83            | 100,00                     | 72,67                       | 69,65        | 2      |
| 7              | 24                 | 1440                 | 1           | 23                   | 1380                   | 0,96        | 700                    | 2,06          | 1,97            | 95,83            | 100,00                     | 67,83                       | 65,00        | 2      |
| 8              | 7                  | 420                  | 0,47        | 6,53                 | 391,8                  | 0,93        | 650                    | 0,6462        | 0,60            | 93,29            | 100,00                     | 62,98                       | 58,76        | 3      |
| 10             | 16                 | 960                  | 0,87        | 15,13                | 907,8                  | 0,95        | 830                    | 1,1566        | 1,09            | 94,56            | 100,00                     | 80,43                       | 76,05        | 2      |
| 11             | 20                 | 1200                 | 1           | 19                   | 1140                   | 0,95        | 750                    | 1,6           | 1,52            | 95,00            | 100,00                     | 72,67                       | 69,04        | 2      |
| 12             | 2                  | 120                  | 0,17        | 1,83                 | 109,8                  | 0,92        | 460                    | 0,26          | 0,24            | 91,50            | 100,00                     | 44,57                       | 40,78        | 3      |
| 13             | 5                  | 300                  | 0,17        | 4,83                 | 289,8                  | 0,97        | 800                    | 0,375         | 0,36            | 96,60            | 100,00                     | 77,52                       | 74,88        | 2      |
| 17             | 14                 | 840                  | 0,5         | 13,5                 | 810                    | 0,96        | 750                    | 1,12          | 1,08            | 96,43            | 100,00                     | 72,67                       | 70,08        | 2      |
| 18             | 12                 | 720                  | 0,67        | 11,33                | 679,8                  | 0,94        | 750                    | 0,96          | 0,91            | 94,42            | 100,00                     | 72,67                       | 68,62        | 2      |
| 23             | 17                 | 1020                 | 0,7         | 16,3                 | 978                    | 0,96        | 750                    | 1,36          | 1,30            | 95,88            | 100,00                     | 72,67                       | 69,68        | 2      |
| 24             | 9                  | 540                  | 0,3         | 8,7                  | 522                    | 0,97        | 750                    | 0,72          | 0,70            | 96,67            | 100,00                     | 72,67                       | 70,25        | 2      |
|                | <b>191</b>         | <b>11460</b>         | <b>9,59</b> | <b>181,41</b>        | <b>10884,6</b>         | <b>0,95</b> | <b>717</b>             | <b>15,993</b> | <b>15,19</b>    | <b>94,11</b>     | <b>100,00</b>              | <b>62,02</b>                | <b>58,47</b> |        |

| TGL              | Loading Time (Jam) | Loading Time (Menit) | Downtime | Operation Time (Jam) | Operation Time (Menit) | % Jam Kerja | Processed Amount (RPM) | Waktu Siklus | Idle Cycle Time | Availability (%) | Performance Efficiency (%) | Rate Of Quality Product (%) | OEE (%) | Status |
|------------------|--------------------|----------------------|----------|----------------------|------------------------|-------------|------------------------|--------------|-----------------|------------------|----------------------------|-----------------------------|---------|--------|
| 25               | 4                  | 240                  | 0,17     | 3,83                 | 229,8                  | 0,96        | 450                    | 0,53         | 0,51            | 95,75            | 100,00                     | 43,60                       | 41,75   | 3      |
| 26               | 24                 | 1440                 | 1,67     | 22,33                | 1339,8                 | 0,93        | 750                    | 1,92         | 1,79            | 93,04            | 100,00                     | 72,67                       | 67,62   | 2      |
| 27               | 24                 | 1440                 | 1        | 23                   | 1380                   | 0,96        | 750                    | 1,92         | 1,84            | 95,83            | 100,00                     | 72,67                       | 69,65   | 2      |
| 28               | 22                 | 1320                 | 1,8      | 20,2                 | 1212                   | 0,92        | 750                    | 1,76         | 1,62            | 91,82            | 100,00                     | 72,67                       | 66,73   | 2      |
| 30               | 11                 | 660                  | 0,5      | 10,5                 | 630                    | 0,95        | 650                    | 1,02         | 0,97            | 95,45            | 100,00                     | 62,98                       | 60,12   | 2      |
| 31               | 10                 | 600                  | 0,67     | 9,33                 | 559,8                  | 0,93        | 700                    | 0,86         | 0,80            | 93,30            | 100,00                     | 67,83                       | 63,28   | 2      |
| <b>SEPTEMBER</b> |                    |                      |          |                      |                        |             |                        |              |                 |                  |                            |                             |         |        |
| 1                | 16                 | 960                  | 0,84     | 15,16                | 909,6                  | 0,95        | 650                    | 1,48         | 1,40            | 94,75            | 100,00                     | 62,98                       | 59,68   | 3      |
| 2                | 7                  | 420                  | 0,3      | 6,7                  | 402                    | 0,96        | 650                    | 0,65         | 0,62            | 95,71            | 100,00                     | 62,98                       | 60,29   | 2      |
| 3                | 10                 | 600                  | 0,42     | 9,58                 | 574,8                  | 0,96        | 650                    | 0,92         | 0,88            | 95,80            | 100,00                     | 62,98                       | 60,34   | 2      |
| 4                | 2                  | 120                  | 0        | 2                    | 120                    | 1,00        | 450                    | 0,27         | 0,27            | 100,00           | 100,00                     | 43,60                       | 43,60   | 3      |
| 28               | 8                  | 480                  | 0,5      | 7,5                  | 450                    | 0,94        | 450                    | 1,07         | 1,00            | 93,75            | 100,00                     | 43,60                       | 40,88   | 3      |
| 29               | 8                  | 480                  | 0,33     | 7,67                 | 460,2                  | 0,96        | 500                    | 0,96         | 0,92            | 96               | 100,00                     | 48,45                       | 46,45   | 3      |
| 30               | 2                  | 120                  | 0        | 2                    | 120                    | 1,00        | 500                    | 0,24         | 0,24            | 100              | 100,00                     | 48,45                       | 48,45   | 3      |
| <b>OKTOBER</b>   |                    |                      |          |                      |                        |             |                        |              |                 |                  |                            |                             |         |        |
| 3                | 5                  | 300                  | 0,34     | 4,66                 | 279,6                  | 0,93        | 800                    | 0,375        | 0,35            | 93,20            | 100,00                     | 77,52                       | 72,25   | 2      |
| 7                | 6                  | 360                  | 0,47     | 5,53                 | 331,8                  | 0,92        | 700                    | 0,51         | 0,47            | 92,17            | 100,00                     | 67,83                       | 62,52   | 2      |
| 8                | 3                  | 180                  | 0,17     | 2,83                 | 169,8                  | 0,94        | 850                    | 0,21         | 0,20            | 94               | 100,00                     | 82,36                       | 77,70   | 2      |
| 10               | 2                  | 120                  | 0,34     | 1,66                 | 99,6                   | 0,83        | 700                    | 0,17         | 0,14            | 83,00            | 100,00                     | 67,83                       | 56,30   | 3      |
| 11               | 10                 | 600                  | 0,67     | 9,33                 | 559,8                  | 0,93        | 700                    | 0,86         | 0,80            | 93,30            | 100,00                     | 67,83                       | 63,28   | 2      |
| 12               | 8                  | 480                  | 0,33     | 7,67                 | 460,2                  | 0,96        | 700                    | 0,69         | 0,66            | 96               | 100,00                     | 67,83                       | 65,03   | 2      |
| 13               | 1                  | 60                   | 0,17     | 0,83                 | 49,8                   | 0,83        | 600                    | 0,1          | 0,08            | 83               | 100,00                     | 58,14                       | 48,26   | 3      |
| 14               | 7                  | 420                  | 0,33     | 6,67                 | 400,2                  | 0,95        | 650                    | 0,65         | 0,62            | 95               | 100,00                     | 62,98                       | 60,02   | 2      |
|                  |                    |                      |          |                      |                        |             |                        |              |                 |                  |                            |                             |         |        |
| III              | 190                | 11400                | 11,02    | 178,98               | 10738,8                | 0,94        | 648                    | 17,60        | 16,58           | 94,20            | 100,00                     | 62,75                       | 58,77   | 3      |

## Lampiran 5

## Summary Perhitungan Overall Equipment Effectiveness dan Penentuan Data Status Mesin PEM

| Part           | Loading Time (Jam) | Loading Time (Menit) | Down time    | Operation Time (Jam) | Operation Time (Menit) | % Jam Kerja   | Processed Amount (RPM) | Waktu Siklus | Idle Cycle Time | Availability (%) | Performance Efficiency (%) | Rate Of Quality Product (%) | OEE (%)      | Status |
|----------------|--------------------|----------------------|--------------|----------------------|------------------------|---------------|------------------------|--------------|-----------------|------------------|----------------------------|-----------------------------|--------------|--------|
| <b>APRIL</b>   |                    |                      |              |                      |                        |               |                        |              |                 |                  |                            |                             |              |        |
| 7              | 3                  | 180                  | 0,25         | 2,75                 | 165                    | 0,92          | 1200                   | 0,15         | 0,14            | 91,67            | 100,00                     | 66,67                       | 61,11        | 2      |
| 8              | 6                  | 360                  | 0,33         | 5,67                 | 340,2                  | 0,95          | 1200                   | 0,30         | 0,28            | 94,50            | 100,00                     | 66,67                       | 63,00        | 2      |
| 11             | 18                 | 1080                 | 1            | 17                   | 1020                   | 0,94          | 850                    | 1,27         | 1,20            | 94,44            | 100,00                     | 47,22                       | 44,60        | 3      |
| 12             | 8                  | 480                  | 0,5          | 7,5                  | 450                    | 0,94          | 851                    | 0,56         | 0,53            | 93,75            | 100,00                     | 47,28                       | 44,32        | 3      |
| 22             | 16                 | 960                  | 1,5          | 14,5                 | 870                    | 0,91          | 850                    | 1,13         | 1,02            | 90,63            | 100,00                     | 47,22                       | 42,80        | 3      |
| 23             | 11                 | 660                  | 0,75         | 10,25                | 615                    | 0,93          | 850                    | 0,78         | 0,72            | 93,18            | 100,00                     | 47,22                       | 44,00        | 3      |
| 24             | 13                 | 780                  | 0,75         | 12,25                | 735                    | 0,94          | 850                    | 0,92         | 0,86            | 94,23            | 100,00                     | 47,22                       | 44,50        | 3      |
| 25             | 5                  | 300                  | 0,33         | 4,67                 | 280,2                  | 0,93          | 850                    | 0,35         | 0,33            | 93,40            | 100,00                     | 47,22                       | 44,11        | 3      |
| 26             | 21                 | 1260                 | 1,25         | 19,75                | 1185                   | 0,94          | 1250                   | 1,01         | 0,95            | 94,05            | 100,00                     | 69,44                       | 65,31        | 2      |
| 27             | 4                  | 240                  | 0,25         | 3,75                 | 225                    | 0,94          | 1250                   | 0,19         | 0,18            | 93,75            | 100,00                     | 69,44                       | 65,10        | 2      |
| <b>Agustus</b> |                    |                      |              |                      |                        |               |                        |              |                 |                  |                            |                             |              |        |
| 11             | 4                  | 240                  | 0,25         | 3,75                 | 225                    | 0,94          | 1340                   | 0,18         | 0,17            | 93,75            | 100,00                     | 74,44                       | 69,79        | 2      |
| 12             | 22                 | 1320                 | 1,25         | 20,75                | 1245                   | 0,94          | 1450                   | 0,91         | 0,86            | 94,32            | 100,00                     | 80,56                       | 75,98        | 2      |
| 13             | 19                 | 1140                 | 1,25         | 17,75                | 1065                   | 0,93          | 1450                   | 0,79         | 0,73            | 93,42            | 100,00                     | 80,56                       | 75,26        | 2      |
| 14             | 24                 | 1440                 | 1,5          | 22,5                 | 1350                   | 0,94          | 1650                   | 0,87         | 0,82            | 93,75            | 100,00                     | 91,67                       | 85,94        | 1      |
| 15             | 24                 | 1440                 | 1,5          | 22,5                 | 1350                   | 0,94          | 1300                   | 1,11         | 1,04            | 93,75            | 100,00                     | 72,22                       | 67,71        | 2      |
| 16             | 24                 | 1440                 | 1,5          | 22,5                 | 1350                   | 0,94          | 1400                   | 1,03         | 0,96            | 93,75            | 100,00                     | 77,78                       | 72,92        | 2      |
| 17             | 10                 | 600                  | 1            | 9                    | 540                    | 0,90          | 1400                   | 0,43         | 0,39            | 90,00            | 100,00                     | 77,78                       | 70,00        | 2      |
|                | <b>232</b>         | <b>13920</b>         | <b>15,16</b> | <b>216,84</b>        | <b>13.010</b>          | <b>0,9347</b> | <b>1176</b>            | <b>11,84</b> | <b>11,06</b>    | <b>93,31</b>     | <b>100,00</b>              | <b>65,33</b>                | <b>60,97</b> |        |

| TGL              | Loading Time (Jam) | Loading Time (Menit) | Down time    | Operation Time (Jam) | Operation Time (Menit) | % Jam Kerja   | Processed Amount (RPM) | Waktu Siklus | Idle Cycle Time | Availability (%) | Performance Efficiency (%) | Rate Of Quality Product (%) | OEE (%)      | Status |
|------------------|--------------------|----------------------|--------------|----------------------|------------------------|---------------|------------------------|--------------|-----------------|------------------|----------------------------|-----------------------------|--------------|--------|
| 21               | 9                  | 540                  | 0,5          | 8,5                  | 510                    | 0,94          | 1400                   | 0,39         | 0,36            | 94,44            | 100,00                     | 77,78                       | 73,46        | 2      |
| 22               | 24                 | 1440                 | 1,5          | 22,5                 | 1350                   | 0,94          | 1710                   | 0,84         | 0,79            | 93,75            | 100,00                     | 95,00                       | 89,06        | 1      |
| 23               | 7                  | 420                  | 0,33         | 6,67                 | 400,2                  | 0,95          | 1700                   | 0,25         | 0,24            | 95,29            | 100,00                     | 94,44                       | 89,99        | 1      |
| 24               | 15                 | 900                  | 1            | 14                   | 840                    | 0,93          | 1730                   | 0,52         | 0,49            | 93,33            | 100,00                     | 96,11                       | 89,70        | 1      |
| 25               | 8                  | 480                  | 0,5          | 7,5                  | 450                    | 0,94          | 850                    | 0,56         | 0,53            | 93,75            | 100,00                     | 47,22                       | 44,27        | 3      |
| 28               | 2                  | 120                  | 0,25         | 1,75                 | 105                    | 0,88          | 1430                   | 0,08         | 0,07            | 87,50            | 100,00                     | 79,44                       | 69,51        | 2      |
| 29               | 24                 | 1440                 | 1,5          | 22,5                 | 1350                   | 0,94          | 1130                   | 1,27         | 1,19            | 93,75            | 100,00                     | 62,78                       | 58,85        | 3      |
| 30               | 12                 | 720                  | 0,25         | 11,75                | 705                    | 0,98          | 1200                   | 0,60         | 0,59            | 97,92            | 100,00                     | 66,67                       | 65,28        | 2      |
| <b>SEPTEMBER</b> |                    |                      |              |                      |                        |               |                        |              |                 |                  |                            | 0,00                        |              |        |
| 2                | 17                 | 1020                 | 1            | 16                   | 960                    | 0,94          | 1730                   | 0,59         | 0,55            | 94,12            | 100,00                     | 96,11                       | 90,46        | 1      |
| 3                | 14                 | 840                  | 0,75         | 13,25                | 795                    | 0,95          | 1730                   | 0,49         | 0,46            | 94,64            | 100,00                     | 96,11                       | 90,96        | 1      |
| 4                | 10                 | 600                  | 0,5          | 9,5                  | 570                    | 0,95          | 1720                   | 0,35         | 0,33            | 95,00            | 100,00                     | 95,56                       | 90,78        | 1      |
| 29               | 8                  | 480                  | 0,5          | 7,5                  | 450                    | 0,94          | 1700                   | 0,28         | 0,26            | 93,75            | 100,00                     | 94,44                       | 88,54        | 1      |
| 30               | 6                  | 360                  | 0,33         | 5,67                 | 340,2                  | 0,95          | 1500                   | 0,24         | 0,23            | 94,50            | 100,00                     | 83,33                       | 78,75        | 2      |
| <b>OKTOBER</b>   |                    |                      |              |                      |                        |               |                        |              |                 |                  |                            | 0,00                        |              |        |
| 5                | 9                  | 540                  | 0,5          | 8,5                  | 510                    | 0,94          | 1650                   | 0,33         | 0,31            | 94,44            | 100,00                     | 91,67                       | 86,57        | 1      |
| 8                | 12                 | 720                  | 1,25         | 10,75                | 645                    | 0,90          | 1150                   | 0,63         | 0,56            | 89,58            | 100,00                     | 63,89                       | 57,23        | 3      |
| 10               | 11                 | 660                  | 0,75         | 10,25                | 615                    | 0,93          | 1100                   | 0,6          | 0,56            | 93,18            | 100,00                     | 61,11                       | 56,94        | 3      |
| 12               | 7                  | 420                  | 0,5          | 6,5                  | 390                    | 0,93          | 1600                   | 0,26         | 0,24            | 92,86            | 100,00                     | 88,89                       | 82,54        | 2      |
| 13               | 23                 | 1380                 | 1,5          | 21,5                 | 1290                   | 0,9348        | 1650                   | 0,84         | 0,78            | 93,48            | 100,00                     | 91,67                       | 85,69        | 1      |
|                  |                    |                      |              |                      |                        |               |                        |              |                 |                  |                            |                             |              |        |
|                  |                    |                      |              |                      |                        |               |                        |              |                 |                  |                            |                             |              |        |
|                  | <b>218</b>         | <b>13080</b>         | <b>13,41</b> | <b>204,59</b>        | <b>12275,4</b>         | <b>0,9385</b> | <b>1482,222222</b>     | <b>8,82</b>  | <b>8,28</b>     | <b>93,63</b>     | <b>100,00</b>              | <b>82,35</b>                | <b>77,14</b> |        |

Lampiran 6  
Dokumentasi Mesin Hybrid KR-REM-331



