#### **BAB IV**

## IMPLEMENTASI DAN EVALUASI

#### 4.1 Implementasi

Implementasi program merupakan implementasi dari hasil analisis, diharapkan dengan adanya implementasi ini dapat membantu perusahaan dalam melakukan proses kinerja yang lebih optimal. Sebelum melakukan implementasi, pengguna (*user*) harus mempersiapkan kebutuhan-kebutuhan dari program yang akan diimplementasikan, yaitu berupa kebutuhan perangkat lunak dan kebutuhan perangkat keras seperti yang telah dijelaskan pada bab sebelumnya.

## 4.2 Penjelasan Penggunaan Aplikasi

Aplikasi Evaluasi Kinerja Alat HMC Berbasis Web menggunakan website yang dijalankan berdasarkan pembagian hak akses untuk setiap pengguna yang didaftarkan. Penjelasan berikut ini difokuskan pada fungsi-fungsi utama aplikasi sesuai dengan yang telah dispesifikasikan. Namun sebelumnya akan dijelaskan mengenai halaman yang digunakan oleh setiap pengguna dalam melakukan proses evaluasi kinerja alat HMC. Adapun halaman tersebut adalah sebagai berikut :

*Form Login* merupakan halaman yang ditampilkan pertama kali saat aplikasi dijalankan. Halaman ini berlaku bagi semua pengguna. Lebih jelasnya dapat dilihat pada Gambar 4.1.

| 🔀 LOGIN - PT. BERLIAN JAS/ 🗙                          | And in case of the local division of the loc | The second second                             | - 0 × |
|---|--|---|-------|
| ← → C Di localhost/hmc/                               |  |   | ☆ =   |
| 👯 Apl 📖 Ternyata Cara Bisnis 🞇 Doug's 5 Day High 📧 Tu | torial Langsing C 👔 Google Terjemahan 🕒 TEKNIK VOKAL YAN 🙉 Yuk, Bakar Lemak Ie   | 📖 Cara Jitu Jadikan 7 H 🕒 Torsi, Tenaga dan R | >>    |
|   | PT. BERLIAN JASA TERMINAL<br>INDONESIA   |   |       |
|   | admin@hmc.dev  |   |       |
|   | ·····  |   |       |
|   | Log-In   |   |       |
|   |  |   |       |

## Gambar 4.1 Form Login

Adapun penjelasan lebih detil mengenai *Form Login*, serta hasil penyesuaian antara halaman dengan rancangan yang dibuat sebelumnya dapat dilihat pada Tabel 4.1.

| Tabel 4.1 Penje | elasan Form Login |  |
|-----------------|-------------------|--|

| Fungsional |   |  |  |  |
|------------|---|--|--|--|
| Deskripsi  | Sebelum masuk kedalam aplikasi, pengguna harus memasukkan <i>username</i> dan <i>password</i> untuk masuk kedalam sistem. |  |  |  |
| -          |   |  |  |  |
| Funcci     |   | Digunakan setelah pengguna mengisi field         |  |  |
| Fullgsi    | Login   | "Username" dan "Password", serta berfungsi untuk |  |  |
| 10111001   |   | masuk kedalam sistem.                            |  |  |

## 4.2.1 Pengguna Sebagai Operator Lapangan

## a) Halaman Dashboard

Halaman ini hanya dikhususkan untuk pengguna Operator Lapangan saja.

Untuk lebih jelasnya mengenai menu yang tersedia dapat dilihat pada Gambar 4.2.

| Google        | x 🔀 Dashboard - operator - PT x  | ) × |
|---------------|--|-----|
| ← → C [       | localhost/hmc/index.php/operator/dashboard   | ☆ = |
| 👥 Apl 🖾 Ternj | myata Cara Bisnis 🦉 Doug's 5 Day High 🔄 Tutorial Langsing C 👔 Google Terjemahan 🕒 TEKNIK VOKAL YAN 🚍 Yuk, Bakar Lemak Ie 😑 Cara Jitu Jadiikan 7 H 🦆 Torsi, Tenaga dan R              | >>  |
|               | PT. BERLIAN JASA TERMINAL INDONESIA<br>DASHBOARD INDEX - OPERATOR  | Â   |
|               | DASHBOARD USER LAP. HARIAN OPERASIONAL ALAT SERAH TERIMA ALAT PEMAKAIAN SPAREPART  |     |
|               | Dashboard NotifikaSI OPEPATOR Deskripsi Kesesualan Target  |     |
|               | Belum ada entry Laporan Harian Operational Alat <b>HMC 1, HMC 2, HMC 3, HMC 4,</b><br>HMC 5, HMC 5, untuk hari Ini<br>Kilk <b>DISINI</b> untuk INPUT Laporan Harian Operational Alat |     |
|               | Belum ada entry Laporan Serah Terima Alat untuk hari ini<br>Klik <b>DISINI</b> untuk INPUT Laporan Serah Terima Alat   |     |
|               |  |     |
|               |  | Ţ   |

Gambar 4.2 Tampilan dashboard pada Menu Operator Lapangan

Adapun penjelasan mengenai tampilan dashboard serta hasil penyesuaian

antara form dengan rancangan yang dibuat sebelumnya dapat dilihat pada Tabel

# Tabel 4.2 Penjelasan tampilan dashboard Operator Lapangan

4.2.

| Fungsional | Pemilihan me | enu  |
|------------|--------------|--|
| Deskripsi  | Menu yang te | erkait pada bagian Operator Lapangan       |
|            | Dashboard    | Berfungsi untuk melihat notifikasi dokumen |
|            |              | yang akan / telah disetujui                |
|            | User Edit    | Berfungsi untuk mengedit data user seperti |
|            | User Edit    | username dan password.                     |
|            | Lap. Harian  | Barfungsi untuk masuk kadalam halaman      |
| Fungsi     | Operasional  | lanoron horion operacional alet            |
| Tombol     | Alat         | laporali nariali operasional alac          |
|            | Serah        | Berfungsi untuk masuk kedalam halaman      |
|            | Terima Alat  | serah terima alat                          |
|            | Pemakaian    | Berfungsi untuk masuk ke dalam halaman     |
|            | Spare Part   | pemakaian spare part                       |
|            | Logout       | Berfungsi untuk keluar dari menu.          |

b) User Edit.

Berikut ini adalah halaman untuk melakukan pengeditan data pengguna pada *stakeholders* tersebut.

| 🔁 Edit User - operator - PT. 1 x 📃 2005yr 🗕 🚥  | ×   |
|--|-----|
| ← → C Dicalhost/hmc/index.php/operator/user/edit/5   | ☆ = |
| 22 API 2 Tenyata Lare bianc 22 Decis 20 Day high 22 Decis 1 Decis Lange dan K<br>PT. BERLIAN JASA TERMINAL INDONESIA<br>USER EDIT - OPERATOR | *   |
| DASHBOARD USER LAP. HARIAN OPERASIONALALAT SERAH TERIMA ALAT PEMAKAIAN SPAREPART OLOGOUT   | - 1 |
| User Edit Form   |     |
| Name Operator  | - 1 |
| Email operator@hmc.dev   | - 1 |
| Password rahasia   | - 1 |
| Phone 123<br>Level Operator •  |     |
| Image Choose File  | - 1 |
|  | - 1 |
| Dochhost/hm//index.php/operator/user/dt/5 DAN INFORMATIKA  | Ŧ   |
| Gambar 4.3 Halaman User Edit   |     |
| Adapun penjelasan mengenai Halaman User Edit dapat dilihat p   | ada |

Tabel 4.3.

SURABAYA

| Tabel 4.3 Penjelasan | Halaman | User | Edit |
|----------------------|---------|------|------|
|----------------------|---------|------|------|

| Fungsional   | Edit data user                   |  |  |  |
|--------------|----------------------------------|--|--|--|
| Deckringi    | Pada halaman                     | ini pengguna dapat mengedit data pengguna yang   |  |  |
| Deskripsi    | akan digunakan pada waktu login. |  |  |  |
| Fungsi       | Undete                           | Berfungsi untuk mengupdate data pengguna         |  |  |
| Tombol       | Opuale                           |  |  |  |
| Fungei Field | Record per                       | Fasilitas untuk baris data yang akan ditampilkan |  |  |
| Fungsi Fiela | page                             | pada tabel.                                      |  |  |

c) Halaman Index Laporan Harian Operasional Alat HMC

Berikut adalah halaman index dari operator lapangan. Lebih jelasnya dapat dilihat pada Gambar 4.4.

| ernyata Cara Bisnis 🔣 D  | oug's 5 Day High 📧 Tutorial Lang:  | ising C 🛛 🍇 Google Terjemahan 🕒 1   | EKNIK VOKAL YAN.  | 🧟 Yuk, Bakar Lemi  | ak Ie 📧 Cara Jitu Jadikan 7 H 🏾   | 👌 Torsi, Tenaga dan R |
|--|--|---|---|--|---|-----------------------|
|  |  |   |   |  |   |                       |
| PT. BEF  | RLIAN JASA T   | ERMINAL INI   | DONES   | SIA  |   |                       |
|  | AT INDEX - OPERATO   | )R  |   |  |   |                       |
|  |  |   |   |  |   |                       |
| DASUBOARD  |  |   | DEMAKAIAN   | SDADEDADT  |   | (Du occut             |
| DASHBOARD  | USER LAF. HARIAN OFERAS  | SERAN TERIMA ALAT   | FEMANAIAN   | SFAREFART  |   | 0100001               |
|  |  |   |   |  |   |                       |
|  |  |   |   |  |   |                       |
| 🕂 Add Lap. Hariar  | Operasional Alat Q. Search   |   |   |  |   |                       |
|  |  |   |   |  |   |                       |
|  |  | •   |   |  |   |                       |
| LAP. HARIAN OPER   | SIONAL ALAT TABLE : 18 ROWS  | S   |   |  |   |                       |
| LAP. HARIAN OPER   | ASIONAL ALAT TABLE : 18 ROWS   | S<br>Mulai / Selesai  | Periode   | Approved   | Created / By  | Options               |
| LAP. HARIAN OPER<br># HMK Unit<br>1 HMC 1  | ASIONAL ALAT TABLE : 18 ROWS<br>Type<br>Operation  | S<br>Mulai / Selesai<br>Feb/10/2015 04:45<br>Feb/10/2015 09:45  | Periode<br>05:00  | Approved<br>APPROVED   | Created / By<br>10 Feb 2015 04:45:00<br>Administrator   | Options               |
| LAP. HARIAN OPER<br># HMK Unit<br>1 HMC 1<br>2 HMC 1   | ASIONAL ALAT TABLE : 18 ROWS<br>Type<br>Operation  | S<br>Mulai / Selesai<br>Feb/10/2015 04:45<br>Feb/10/2015 09:45<br>Feb/10/2015 07:48   | Periode           05:00           03:54   | Approved<br>AppRoved<br>AppRoved   | Created / By           10 Feb 2015 04:45:00           Administrator           10 Feb 2015 03:54:00           Administrator  | Options               |
| LAP. HARIAN OPER<br>HMK Unit<br>HMC 1<br>2 HMC 1<br>3 HMC 2                                      | ASIONAL ALAT TABLE : 18 ROWS<br>Type<br>Operation<br>Operation<br>Accident   | S<br>Mulai / Selesal<br>Feb/10/2015 04:45<br>Feb/10/2015 03:45<br>Feb/10/2015 07:48<br>Feb/10/2015 07:48<br>Feb/10/2015 02:00   | Periode           05:00           03:54           04:00                                 | Approved<br>APPROVED<br>APPROVED<br>APPROVED                                     | Created / By           10 Feb 2015 04:45:00           Administrator           10 Feb 2015 03:54:00           Administrator           09 Feb 2015 05:30:00           Administrator   | Options               |
| LAP. HARIAN OPER.<br>HMK Unit<br>HMC 1<br>HMC 1<br>HMC 1<br>3 HMC 2<br>4 HMC 2                   | ASIONAL ALAT TABLE : 18 ROWS<br>Type<br>Operation<br>Operation<br>Accident<br>Breakdown-Availability                                       | S<br>Mulai / Selesal<br>Feb/10/2015 04:45<br>Feb/10/2015 09:45<br>Feb/10/2015 07:48<br>Feb/10/2015 07:48<br>Feb/01/2015 08:00<br>Feb/01/2015 12:00<br>Feb/01/2015 08:00   | Periode           05:00           03:54           04:00           04:00                 | Approved<br>APPROVED<br>APPROVED<br>APPROVED<br>APPROVED                         | Created / By           10 Feb 2015 04:45:00           Administrator           00 Feb 2015 03:54:00           Administrator           09 Feb 2015 05:30:00           Administrator           09 Feb 2015 05:09:00           Administrator  | Options               |
| LAP. HARIAN OPER<br>H HMK Unit<br>HMC 1<br>HMC 1<br>HMC 1<br>HMC 2<br>HMC 2<br>HMC 2             | ASIONAL ALAT TABLE : 18 ROWS<br>Type<br>Operation<br>Operation<br>Accident<br>Breakdown-Availability<br>Breakdown-Reliability              | S<br>Mulai / Selesai<br>Feb/10/2015 03:45<br>Feb/10/2015 03:45<br>Feb/10/2015 03:45<br>Feb/10/2015 07:48<br>Feb/10/2015 07:48<br>Feb/01/2015 04:00<br>Feb/01/2015 04:00<br>Feb/01/2015 06:00  | Periode           05:00           03:54           04:00           04:00           02:00 | Approved<br>APPROVED<br>APPROVED<br>APPROVED<br>APPROVED<br>APPROVED             | Created / By           10 Feb 2015 04:45:00           Administrator           10 Feb 2015 03:50:00           Administrator           09 Feb 2015 06:30:00           Administrator           09 Feb 2015 06:09:00           Administrator           09 Feb 2015 05:07:00           20 Feb 2015 05:07:00  | Options               |
| LAP. HARIAN OPER<br># HMK Unit<br>1 HMC 1<br>2 HMC 1<br>3 HMC 2<br>4 HMC 2<br>5 HMC 2<br>6 HMC 2 | ASIONAL ALAT TABLE : 18 ROWS<br>Type<br>Operation<br>Operation<br>Accident<br>Breakdown-Availability<br>Breakdown-Reliability<br>Operation | S<br>Mulai / Selesai<br>Feb/10/2015 04:45<br>Feb/10/2015 03:45<br>Feb/10/2015 03:54<br>Feb/10/2015 07:48<br>Feb/10/2015 07:48<br>Feb/01/2015 02:00<br>Feb/01/2015 04:00<br>Feb/01/2015 04:00<br>Feb/01/2015 06:00<br>Feb/01/2015 06:00<br>Feb/ | Periode           05:00           03:54           04:00           04:00           02:00 | Approved<br>AppRoved<br>AppRoved<br>AppRoved<br>AppRoved<br>AppRoved<br>AppRoved | Created / By           10 Feb 2015 04:45:00           Administrator           10 Feb 2015 05:54:00           Administrator           09 Feb 2015 05:30:00           Administrator           09 Feb 2015 05:09:00           Administrator           09 Feb 2015 05:07:00           Administrator           09 Feb 2015 05:07:00           Administrator           09 Feb 2015 01:37:00           Administrator | Options               |

Gambar 4.4 Halaman Index Laporan Harian Operasional Alat

Adapun penjelasan mengenai Halaman *Index* Laporan Harian Operasional Alat HMC dapat dilihat pada Tabel 4.4.

 Tabel 4.4 Penjelasan Halaman Index Laporan Harian Operasional Alat HMC

| Fungsional   | Index laporan l  | narian operasional alat HMC                      |  |
|--------------|--|--|--|
| Dockringi    | Pada halaman ini menampilkan laporan harian operasional alat |  |  |
| Deskripsi    | HMC yang telah diinputkan oleh operator lapangan             |  |  |
|              | Add Lap.   |  |  |
|              | Harian   | Berfungsi untuk menambahkan laporan harian       |  |
| Fungsi       | Operasional  | operasional alat                                 |  |
| Tombol       | Alat   |  |  |
|              | Soorah   | Berfungsi untuk mencari data yang telah          |  |
|              | Search   | diinputkan                                       |  |
| Fungsi Field | Record per   | Fasilitas untuk baris data yang akan ditampilkan |  |

| page pada tabel. |  | page | pada tabel. |
|------------------|--|------|-------------|
|------------------|--|------|-------------|

d) Halaman Add Laporan Harian Operasional Alat HMC

Berikut adalah halaman untuk melakukan pencatatan laporan harian operasional alat HMC yang dilakukan oleh operator lapangan. Lebih jelasnya dapat dilihat pada Gambar 4.5.



Gambar 4.5 Halaman Add Laporan Harian Operasional Alat

Adapun penjelasan mengenai Halaman Add Laporan Harian Operasional

Alat HMC dapat dilihat pada Tabel 4.5.

| Fungsional   | Input data Hari   | Input data Harian                                |  |  |  |  |
|--------------|---|--|--|--|--|--|
| Destruiresi  | Pada halaman ini mencatat laporan harian operasional alat HMC |  |  |  |  |  |
| Deskripsi    | yang dilakukan oleh operator lapangan                         |  |  |  |  |  |
| Fungsi       | Add   | Berfungsi untuk menyimpan data laporan harian    |  |  |  |  |
| Tombol       | Auu   | operasional alat.                                |  |  |  |  |
| Fungsi Field | Record per  | Fasilitas untuk baris data yang akan ditampilkan |  |  |  |  |
|              | page  | pada tabel.                                      |  |  |  |  |

### e) Halaman Index Serah Terima Alat

Berikut adalah halaman *index* oleh operator lapangan. Lebih jelasnya dapat dilihat pada Gambar 4.6.



Adapun penjelasan mengenai Halaman Index Serah Terima Alat Alat

HMC dapat dilihat pada Tabel 4.6.

| Fungsional   | Index Serah Terima Alat  |  |  |  |  |  |
|--------------|--|--|--|--|--|--|
| Dealeringi   | Pada halaman ini menampilkan data serah terima alat yang telah |  |  |  |  |  |
| Deskripsi    | perator Lapangan   |  |  |  |  |  |
|              | Add Serah  | Berfungsi untuk menambahkan data serah terima    |  |  |  |  |
| Fungsi       | Terima Alat  | alat   |  |  |  |  |
| Tombol       | Soorah   | Berfungsi untuk mencari data yang telah          |  |  |  |  |
|              | Search   | diinputkan                                       |  |  |  |  |
| Fungsi Field | Record per   | Fasilitas untuk baris data yang akan ditampilkan |  |  |  |  |

Tabel 4.6 Penjelasan Halaman Index Serah Terima Alat

| page pada tabel. |
|------------------|
|------------------|

#### f) Halaman Add Serah Terima Alat HMC

Berikut adalah halaman Serah Terima Alat HMC yang dilakukan oleh operator lapangan. Lebih jelasnya dapat dilihat pada Gambar 4.7.

| Google × 🔀 Add Serah Terima Alat - o                  | ×                                     |            | States in such |                      |                            | Bobb                      | 2 - 0 |
|---|---------------------------------------|------------|----------------|----------------------|----------------------------|---------------------------|-------|
| → C ☐ localhost/hmc/index.php/operator/se             | erah_terima_alat/add                  |            |                |                      |                            |                           |       |
| pl 📧 Ternyata Cara Bisnis 撥 Doug's 5 Day High 📧       | Tutorial Langsing C 🛛 🏹 Google Terjem | ahan 🕒 TEK | NIK VOKAL YAN  | 🛛 🚾 Yuk, Bakar Lemal | k Ie 🧟 Cara Jitu Jadikan 🕯 | 7 H 🖇 Torsi, Tenaga dan R |       |
| PT. BERLIAN JA<br>SERAH TERIMA ALAT ADD - (           | SA TERMINAL                           | _ IND      | ONES           | SIA                  |                            |                           |       |
| DASHBOARD USER LAP. HAP<br>Serah Terima Alat Add Form | RIAN OPERASIONAL ALAT                 | RIMA ALAT  | PEMAKAIAN S    | PAREPART             |                            | O LOGOUT                  |       |
| Tanggal 02/10/2015 17:00                              |                                       |            | Nama           | Nama Kanal           | Shift                      | Shift 1 : 09:00 15        |       |
| Tanggar 02/10/2015 17:00                              |                                       | •          | Kapal          |                      | Shirt                      | Shiit 1.08.00 - 1c •      |       |
| Mulai 02/10/2015 17:00<br>(jam)                       | Selesai<br>(jam)                      | DO         | Operator       | Operator             | Pengganti                  | Operator •                |       |
| SERAH TERIMA ALAT DETAIL ADD FORM                     |                                       |            |                |                      |                            |                           |       |
| # Bagian Yang Di C                                    | 2ek                                   | Kondisi    |                |                      | Keterangan                 |                           |       |
| A. OPERASI BASIC                                      |                                       |            |                |                      |                            |                           |       |
| 1 Engine  | Baik                                  |            | •              |                      |                            |                           |       |
| B. KONDISI FISIK                                      |                                       |            |                |                      |                            |                           |       |
| 2 Crane   | Baik                                  |            | •              |                      |                            |                           |       |
| C. FUNGSI PENDUKUNG & SAFETY                          |                                       |            |                |                      |                            |                           |       |

Gambar 4.7 Halaman Add Serah Terima Alat HMC

Adapun penjelasan mengenai Halaman Add Serah Terima Alat HMC dapat dilihat pada Tabel 4.5.

| Tabel 4.7 Penjelasan Halaman Add Serah Terima Alat HMC |
|--|
|--|

| Fungsional   | Input data sera  | Input data serah terima alat                     |  |  |  |
|--------------|--|--|--|--|--|
| Dockringi    | Pada halaman ini mencatat laporan serah terima alat HMC yang |  |  |  |  |
| Deskripsi    | dilakukan oleh operator lapangan                             |  |  |  |  |
| Fungsi       | Add  | Berfungsi untuk menyimpan data serah terima.     |  |  |  |
| Tombol       | Auu  |  |  |  |  |
| Fungsi Field | Record per   | Fasilitas untuk baris data yang akan ditampilkan |  |  |  |

| page | pada tabel. |
|------|-------------|
|------|-------------|

#### g) Halaman Index Pemakaian Sparepart

Berikut adalah halaman *index* untuk menampilkan hasil inputan yang dilakukan oleh operator lapangan. Lebih jelasnya dapat dilihat pada Gambar 4.8.



Gambar 4.8 Halaman Index Pemakaian Sparepart

Adapun penjelasan mengenai Halaman Index Pemakaian Sparepart dapat

dilihat pada Tabel 4.8.

| <b>Tabel 4.8</b> Penjelasan Halaman | Index Pemakaian | Sparepart |
|-------------------------------------|-----------------|-----------|
|-------------------------------------|-----------------|-----------|

| Fungsional | Menampilkan data hasil inputan pemakaian sparepart         |           |       |          |      |           |
|------------|--|-----------|-------|----------|------|-----------|
| Dealuringi | Pada halaman ini menampilkan data pemakaian sparepart yang |           |       |          |      |           |
| Deskripsi  | telah diinputkan oleh operator lapangan I                  |           |       |          |      |           |
| Fungsi     | Add  | Berfungsi | untuk | menambah | data | pemakaian |
|            | Pemakaian  | sparepart |       |          |      |           |
| 10111001   | Sparepart  |           |       |          |      |           |

|              | Search     | Berfungsi untuk mencari data yang telah          |
|--------------|------------|--|
|              |            | diinputkan                                       |
| Fungsi Field | Record per | Fasilitas untuk baris data yang akan ditampilkan |
|              | page       | pada tabel.                                      |

h) Halaman Add Pemakaian Sparepart

Berikut adalah halaman untuk menginputkan data pemakaian *spare part* yang dilakukan oleh operator lapangan. Lebih jelasnya dapat dilihat pada Gambar

| 4 |   | 9 |   |
|---|---|---|---|
| - | - | - | - |

| Google X             | Add Pemakaian Sparepart ×                         | A Section of the local division of the local | 100                | _                   | Bobby -                  | 0 × |
|----------------------|---|--|--------------------|---------------------|--------------------------|-----|
| ← → C D localhost/h  | mc/index.php/operator/pemakaian_sparepart/add     | Talanahan 👩 TEMBUA   |                    |                     | II. C. Tarri Tarra dan D | ☆ = |
|                      | ERLIAN JASA TERMIN<br>AN SPAREPART ADD - OPERATOR | AL INDO  | NESIA              | cara Jitu Jadikan / | m 🧬 1013, Tenaga dan n   |     |
| DASHB                | OARD USER LAP. HARIAN OPERASIONAL ALAT SER        | AH TERIMA ALAT   | EMAKAIAN SPAREPART |                     | C LOGOUT                 | - 1 |
| Pemakaia             | an Sparepart Add Form                             |  |                    |                     |                          |     |
| Tanggal              | 02/10/2015 17:44                                  |  |                    |                     |                          | - 1 |
| Lap. Har.<br>OP Alat | 01/Feb/15 04:00-06:00 - HMC 1 - MAINTENANCE       | ×  |                    |                     |                          | - 1 |
| Sparepart            | Engine Oil 1 - Itr                                | •  |                    |                     |                          | - 1 |
| Quantity             | Quantity  |  |                    |                     |                          | - 1 |
| Note                 | Note  |  |                    |                     |                          |     |
|                      |   | s  | URA                | A B A Y             | (_A                      |     |

Gambar 4.9 Halaman Add Pemakaian Sparepart

Adapun penjelasan mengenai Halaman Add Pemakaian Sparepart dapat

dilihat pada Tabel 4.9.

| Input pemakaia                           | in sparepart  |   |   |  |  |
|--|---|---|---|--|--|
| Halam an ini b<br><i>part</i> oleh opera | erfungsi untu<br>tor lapangan                                     | ık mena<br>I  | mbahkan data  | a pema   | kaian <i>spare</i>   |
| Add                                      | Berfungsi   | untuk   | menambah  | data   | pemakaian  |
|  | Input pemakaia<br>Halam an ini b<br><i>part</i> oleh opera<br>Add | Input pemakaian sparepart<br>Halam an ini berfungsi untu<br><i>part</i> oleh operator lapangan<br>Add Berfungsi | Input pemakaian sparepart<br>Halam an ini berfungsi untuk mena<br><i>part</i> oleh operator lapangan I<br>Add Berfungsi untuk | Input pemakaian sparepartHalam an ini berfungsi untuk menambahkan datapart oleh operator lapangan IAddBerfungsi untuk menambah | Input pemakaian sparepartHalam an ini berfungsi untuk menambahkan data pemapart oleh operator lapangan IAddBerfungsi untuk menambah data |

Tabel 4.9 Penjelasan Halaman Add Pemakaian Sparepart

| Tombol       | Pemakaian  | sparepart  |
|--------------|------------|--|
|              | Sparepart  |  |
| Fungsi Field | Record per | Fasilitas untuk baris data yang akan ditampilkan |
| Tungsi Fieta | page       | pada tabel.                                      |

#### 4.2.2 Pengguna Sebagai Supervisor Peralatan I

Supervisor peralatan I melakukan persetujuan laporan harian operasional alat HMC yang dikirim oleh Operator Lapangan. Adapun tampilan menu aplikasi untuk Supervisor Peralatan I yang disesuaikan dengan fungsional. Halaman tersebut akan menampilkan data jika sudah dilakukan pencatatan laporan harian operasional alat HMC oleh pihak Operator Lapangan.

a) Tampilan Dashboard pada menu Supervisor Peralatan I

Tampilan dashboard untuk Supervisor Peralatan I dapat diihat pada

| Gambar 4.10. |  |
|--------------|--|
|--------------|--|

| 🛛 🔀 Dashboard | d-supervisof. ×  | ×   |
|---------------|--|-----|
| ← → C         | Diocalhost/hmc/index.php/supervisor1/dashboard   | ☆ = |
| 👯 Apl 📧 Ter   | myato Cara Bisnis 报 Doug's 5 Day High 🥫 Tutorial Langsing C 👔 Google Terjernahan 🤨 TEKNIK VOKAL YAN 🖂 Yuk, Bakar Lemak Ie 🔤 Cara Jitu Jadikan 7 H 🔅 Torsi, Tenega dan R                    | 29  |
|               | PT. BERLIAN JASA TERMINAL INDONESIA<br>DASHBOARD INDEX - SUPERVISOR1<br>DASHBOARD USER DALY REPORT SPAREPART USED REPORT - EHRW.BOX & FUEL - REFE SUM AREPORTS - ED & ACCIDENT REPORTS - 0 | ŕ   |
|               | Dashboard<br>Nollfikasi SUPERVISOR 1 Deskripsi Kesesualan Target<br>January 2015   |     |
|               | Terdapat 1 Serah Terima Alat yang belum mendapat APPROVAL<br>Kilk DISINI untuk APPROVAL Serah Terima Alat  |     |
|               | Terdapat 1 Pemakaian Sparepart yang belum mendapat <b>APPROVAL</b><br>Klik <b>DISINI</b> untuk APPROVAL Pemakaian Sparepart  |     |
|               | Belum ada entry Daily Report untuk hari ini<br>Kilk <b>DISINI</b> untuk GENERATE Daily Report  |     |
|               | Belum ada entry EHRM Box untuk hari ini  | •   |

Gambar 4.10 Tampilan Dashboard Supervisor Peralatan I

Adapun penjelasan mengenai tampilan *dashboard* oleh Supervisor Peralatan I dapat dilihat pada Tabel 4.10.

| Fungsional | Pemilihan men | u  |
|------------|---------------|--|
| Deskripsi  | Memilih menu  | yang akan digunakan oleh Supervisor Peralatan I    |
|            | User          | Berfungsi untuk edit data user                     |
|            | Daily Report  | Berfungsi untuk masuk ke halaman daily report      |
|            | Sparepart     | Berfungsi untuk masuk ke halaman spare part used   |
|            | Used Report   | report, terdiri dari sub menu all sparepart used   |
|            |               | report, engine oil used report, hydraulic oil used |
|            |               | report, gearbox oil used report, other sparepart   |
|            |               | used report.                                       |
|            | EHRM Box      | Berfungsi untuk masuk ke halaman EHRM Box &        |
| Fungsi     | & Fuel        | Fuel, terdiri dari EHRM & Box Report dan EHRM      |
| Tombol     |               | & Fuel Report                                      |
|            | Performance   | Berfungsi untuk masuk ke halaman Performance       |
|            | Report        | Report INSTITUT BISNIS                             |
|            | Performance   | Berfungsi untuk masuk ke halaman Performance       |
|            | Summary       | Summary  |
|            | Bd. &         | Berfungsi untuk masuk ke halaman Breakdown &       |
|            | Accident      | Accident Report                                    |
|            | Report        |  |
|            | Logout        | Keluar dari hak akses                              |

Tabel 4.10 Penjelasan Halaman Dashboard Supervisor Peralatan I

SURABAYA

b) Halaman Index Daily Report

Berikut adalah halaman untuk menampilkan data hasil *generate daily report* oleh Supervisor Peralatan I. Lebih jelasnya dapat dilihat pada Gambar 4.11.

| gle         | × 🎽 😥 🕻   | any report supervise   |                             |               | _  |                                     |                             |                     |              |              |                    |                       |                 |                        |                          | _    | _           | _              |  |                   |                       |                          | _          | _           |                          |                          |  |  |
|-------------|---|--|-----------------------------|---------------|--|-------------------------------------|-----------------------------|---------------------|--------------|--------------|--------------------|-----------------------|-----------------|------------------------|--------------------------|------|-------------|----------------|--|-------------------|-----------------------|--------------------------|------------|-------------|--------------------------|--------------------------|--|--|
| C 🗋         | localhost/hmc/in  | dex.php/supervis   | or1/                        | dail          | y_rep  | ort                                 |                             |                     |              |              |                    |                       |                 |                        |                          |      |             |                |  |                   |                       |                          |            |             |                          |                          |  |  |
| 📧 Ternyat   | ta Cara Bisnis 🛛 🔣 D  | oug's 5 Day High   | C I                         | utori         | al Lang                                      | ising C.                            | 🦚                           | Goog                | le Terj      | emah         | ian                | 🕒 Т                   | EKNI            | K VO                   | KAL Y                    | AN   | ۱ 🔜         | 'uk, B         | akar L   | .emal             | k le                  | . 🗠                      | Car        | a Jitu      | i Jadikan 7              | н 🍄                      | Torsi, Tenaga dan R  |  |
| F           | PT. BEF   | RLIAN J  | AS<br>PEI                   | S/<br>RVI     | <b>\                                    </b> | E<br>R1                             | R۱                          | ЛIN                 | ١A           | L            | 11                 | NE                    | 0               | IC                     | NE                       | ES   | IA          |                |  |                   |                       |                          |            |             |                          |                          |  |  |
|             | DASHBOARD   | USER DAILY   | REP                         | ORT           | SI   | PAREF                               | PARTU                       | JSED F              | EPOF         | RT +         |                    | EHRI                  | M BC            | 5X &                   | FUEL                     | -    | PER         | F. SU          | JM. &  | REP               | ORT                   | s .                      | E          | 3D. 8       | ACCIDE                   | NT REPO                  | DRTS - 🕐   |  |
|             |   |  |                             |               |  |                                     |                             |                     |              |              |                    |                       |                 |                        |                          |      |             |                |  |                   |                       |                          |            |             |                          |                          |  |  |
|             |   |  |                             |               |  |                                     |                             |                     |              |              |                    |                       |                 |                        |                          |      |             |                |  |                   |                       |                          |            |             |                          |                          |  |  |
|             |   |  |                             | 0             |  |                                     |                             |                     |              |              |                    |                       |                 |                        |                          |      |             |                |  |                   |                       |                          |            |             |                          |                          |  |  |
|             | + Generate Daily  | Report Q Sear  | ch                          |               | Ceta   | ık                                  |                             |                     |              |              |                    |                       |                 |                        |                          |      |             |                |  |                   |                       |                          |            |             |                          |                          |  |  |
|             | 🕇 Generate Daily  | Report Q Sear  | ch                          | -             | Ceta   | ik                                  |                             |                     |              |              |                    |                       |                 |                        |                          |      |             |                |  |                   |                       |                          |            |             |                          |                          |  |  |
| D/          | + Generate Daily  | Report Q Sear  | ch                          | -             | Ceta   | ik                                  |                             |                     |              |              |                    |                       |                 |                        |                          |      |             |                |  |                   |                       |                          |            |             |                          |                          |  |  |
| D/          | + Generate Daily  | Report Q Sear  | ch                          | -             | Ceta   | sH                                  | IIFTI                       |                     |              |              |                    |                       |                 | SHIF                   | FT II                    |      |             |                |  | SI                | HIF                   | TIII                     |            |             |                          |                          |  |  |
| D/          | Generate Daily  AILY REPORT TAE      HMK Unit /      Terminal   | Report Q Sear  | ch<br>8                     | 9             | Ceta   | sH                                  | IIFT I<br>12                | 13                  | 14           | 15           | 16                 | 17                    | 18              | SHIF<br>19             | = T II<br>20             | 21   | 22 2        | 3 24           | F 1  | SI<br>2           | HIF<br>3              | T III<br>4 - 8           | 5 6        | 7           | EHRM                     | Note                     | Option   |  |
|             | + Generate Daily AILY REPORT TAE HMK Unit / Terminal  | Report Q Sear  | ch<br>8                     | 9             | Ceta   | sH                                  | IIFT I<br>12                | 13                  | 14           | 15           | 16                 | 17<br>1/Jar           | 18<br>n/20      | SHIF<br>19             | = T II<br>20             | 21   | 22 2        | 3 24           | ¥ 1  | SI<br>2           | HIF<br>3              | T III<br>4 - {           | 5 6        | 7           | EHRM                     | Note                     | Option   |  |
| ,<br>1      | Generate Daily     AILY REPORT TAE     HMK Unit /     Terminal     HMC 1     TERMINAL A   | Report Q Sear  | ch<br>8                     | 9             | Ceta<br>10<br>M                              | sH<br>11<br>M                       | 12<br>0                     | <b>13</b>           | <b>14</b>    | 15           | 16<br>31<br>0      | 17<br>1/Jar<br>0      | 18<br>n/20      | SHIF<br>19<br>15<br>0  | <b>T II</b><br>20        | 21 2 | 22 2<br>0 C | 3 24           | <b>1</b>   | <b>SI</b><br>2    | HIF<br>3<br>0         | T III<br>4 4             | 56         | 7           | <b>EHRM</b>              | Note                     | Option<br>Disapprove Edit<br>Delete  |  |
| ,<br>1<br>2 | Generate Daily     REPORT TAE     HMK Unit /     Terminal     HMC 1     TERMINAL A     HMC 2     TERMINAL B                               | LE : ROWS Created / By O9/Feb/2015 Administrator 09/Feb/2015   | ch<br>8<br>8<br>0           | <b>9</b><br>0 | Ceta<br>10<br>M<br>B-<br>Re                  | sH<br>11<br>M<br>B-<br>Re           | IFTI<br>12<br>O<br>B-<br>Av | 13<br>O<br>B-<br>Av | 14<br>0<br>A | 15<br>0<br>A | 16<br>31<br>0<br>A | 17<br>1/Jar<br>0<br>A | 18<br>n/20<br>0 | SHIF<br>19<br>115<br>0 | • <b>T II</b><br>20<br>0 | 21 2 | 22 2<br>0 C | 3 24           | • 1<br>• 0   | si<br>2<br>0      | HIF <sup>7</sup><br>3 | <b>T III</b><br>4 4<br>- | <b>5 6</b> | 7<br>0<br>- | <b>EHRM</b><br>390<br>10 | Note<br>Detail<br>Detail | Option<br>Disapprove Edit<br>Disapprove Edit<br>Delete                                     |  |
| 1<br>1<br>3 | Generate Daily     AILY REPORT TAE     HMK Unit /     Terminal     HMC 1     TERMINAL A     HMC 2     TERMINAL B     HMC 3     TERMINAL C | Q         Sear           LE: ROWS         Created / By           09/Feb/2015         Administrator           09/Feb/2015         Administrator           09/Feb/2015         Administrator           09/Feb/2015         Administrator | ch<br>8<br>8<br>0<br>1<br>0 | 9<br>0<br>0   | Ceta<br>10<br>M<br>B-<br>Re<br>-             | k<br>SH<br>11<br>M<br>B-<br>Re<br>- | 12<br>0<br>B-<br>Av         | 13<br>0<br>B-<br>Av | 14<br>0<br>A | 15<br>0<br>A | 16<br>31<br>0<br>A | 17<br>1/Jar<br>0<br>A | 18<br>n/20<br>- | SHIF<br>19<br>15<br>0  | <b>20</b>                | 21 2 | 22 2<br>0 C | 3 24<br>-<br>- | <ul> <li>1</li> <li>0</li> <li>-</li> <li>-</li> </ul> | si<br>2<br>-<br>- | HIF<br>3<br>-         | T III<br>4 8<br>         | 5 6<br>    | 7<br>0<br>- | <b>EHRM</b><br>390<br>10 | Note<br>Detail<br>Detail | Option<br>Disapprove Edit<br>Detete<br>Desprove Edit<br>Disapprove Edit<br>Disapprove Edit |  |

Gambar 4.11 Halaman Index Daily Report

Adapun penjelasan mengenai Halaman Index Daily Report dapat dilihat

## pada Tabel 4.11.

## Tabel 4.11 Penjelasan Halaman Index Daily Report

|              | <b>TT 1</b> • 1  |  |
|--------------|------------------|--|
| Fungsional   | Halaman index    |  |
| Deckringi    | Halaman ini b    | perfungsi untuk menampilkan data hasil generate  |
| Deskripsi    | daily report ole | eh operator lapangan I                           |
|              | Generate         | Berfungsi untuk generate data daily report       |
| Fungsi       | Daily Report     |  |
| Tombol       | Search           | Berfungsi untuk mencari data yang telah          |
|              |                  | diinputkan.                                      |
| Fungei Field | Record per       | Fasilitas untuk baris data yang akan ditampilkan |
| Tungsi Fieta | page             | dari hasil inputan.                              |

## c) Halaman Add Daily Report

Berikut adalah halaman untuk menginputkan *data generate daily report* yang dilakukan oleh Supervisor Peralatan. Lebih jelasnya dapat dilihat pada Gambar 4.12.

| Google         | × 🛛 🔀 Add Daily Re                   | port - supervi 🗙 💽    |                 |       |          |        |         |       |      |       |       |        |     |        |       |         |       |      |   |         |        |         |       |      |             | Bobby     |   |
|----------------|--------------------------------------|-----------------------|-----------------|-------|----------|--------|---------|-------|------|-------|-------|--------|-----|--------|-------|---------|-------|------|---|---------|--------|---------|-------|------|-------------|-----------|---|
| ⇒ C 🗗          | localhost/hmc/index.php/s            | supervisor1/daily     | repo            | t/ad  | d        |        |         |       |      |       |       |        |     |        |       |         |       |      |   |         |        |         |       |      |             |           | ć |
| .pl 📧 Ternyata | a Cara Bisnis 🔣 Doug's 5 Day         | High 📧 Tutoria        | l Langsii       | ng C  | <b>ä</b> | Google | e Terje | maha  | n 🕒  | TEKI  | NIK V | OKAL ' | YAN | . 🖾    | Yuk,  | Bakar I | .emak | cle  |   | Cara Ji | tu Jad | likan ' | 7 H   | \$   | Torsi, Tena | iga dan R |   |
| P              | PT. BERLIA                           | N JASA<br>- SUPERVISO | <b>T</b><br>DR1 | EF    | RM       | IIN    | IA      | L     | IN   | ID    | 0     | N      | Ξ9  | 51/    | ٩     |         |       |      |   |         |        |         |       |      |             |           |   |
|                | DASHBOARD USER                       | DAILY REPORT          | SP/             | AREP/ | NRT US   | ED RI  | EPOR    | T ¥   | EH   | HRM E | BOX 8 | & FUEI | -   | PE     | RF. S | UM. &   | REP   | ORTS | Ŧ | BD      | & AC   | CIDE    | ENT R | REPC | RTS +       | O         |   |
| Da             | aily Report Generat<br>Mulai Tanggal | 02/01/2015            |                 |       |          | Sa     | impa    | i Tan | ggal | I     | 02    | !/28/2 | 015 |        |       |         |       |      |   |         |        |         |       |      |             |           |   |
| 28<br>GE       | DAYS<br>ENERATED DAILY REPORT        | TABLE : 168 ROV       | s               |       | SH       | IIFTI  |         |       |      |       |       |        | SH  | IFT II |       |         |       |      |   | SH      | IFT    |         | + 0   | Sene | erate       | X Cancel  |   |
|                | # HMK Unit / Terminal                | Date                  | 8 9             | 9 10  | 11       | 12     | 13      | 14    | 15   | 16    | 17    | 18     | 19  | 20     | 21    | 22      | 23    | 24   | 1 | 2 ;     | 4      | 5       | 6     | 7    | EHRM        | Note      |   |
|                |                                      |                       |                 |       |          |        |         |       | 01/F | =eb/2 | 2015  |        |     |        |       |         |       |      |   |         |        |         |       |      |             |           |   |
| 1              | HMC 1<br>TERMINAL A                  | 01/Feb/2015           | 0               | 0     | 0        | 0      | 0       | 0     | 0    | 0     | 0     | 0      | 0   | 0      | 0     | 0       | 0     | 0    | 0 |         | -      | -       | -     | -    | 180         | Detail    |   |
| 2              | HMC 2<br>TERMINAL B                  | 01/Feb/2015           | A               | A     | А        | -      | -       | •     | •    | •     | -     | -      | -   | -      | -     | -       | -     | •    | - | -       | -      | -       | -     | -    | 0           | Detail    |   |

Gambar 4.12 Halaman Add Daily Report

Adapun penjelasan mengenai Halaman Add Daily Report dapat dilihat

## pada Tabel 4.12.

## **Tabel 4.12** Penjelasan Halaman Add Daily Report

| Fungsional   | Halaman add d    | aily report                                      |
|--------------|------------------|--|
| Dockringi    | Halaman ini b    | perfungsi untuk menampilkan data hasil generate  |
| Deskripsi    | daily report ole | eh operator lapangan I                           |
| Fungsi       | Generate         | Berfungsi untuk generate data daily report       |
| Tombol       | Daily Report     |  |
| Fungai Field | Record per       | Fasilitas untuk baris data yang akan ditampilkan |
| rungsi Field | page             | dari hasil inputan.                              |

### d) Halaman Sparepart Used

Halaman Sparepart Used terdiri dari 5 sub menu yaitu all sparepart used report, engine oil used report, hydraulic oil used report, gearbox oil used report, other sparepart used report. Pada sub menu all sparepart used digunakan untuk menampilkan secara keseluruhan list penggantian alat, sedangkan untuk sub menu lain merupakan detail laporan penggantian *sparepart*. untuk menampilkan data *sparepart* yang telah digunakan. Lebih jelasnya dapat dilihat pada Gambar 4.13.

| 3.84                         | ocalnost/hmc/index.php/su   | pervisor1/sparepart_used  | 1  |   |   |                        |  |       |
|------------------------------|---|---|--|---|---|------------------------|--|-------|
| ata                          | Cara Bisnis 🔡 Doug's 5 Day Hi   | igh 💽 Tutorial Langsing C   | . 🚵 Google Terjemahan  | TEKNIK VOKAL YAP                          | i 🖪 Yuk, Bak  | ar Lemak Ie            | 🔄 Cara litu Jadikan 7 H 🥸 Torsi, Tenaga da   | lan R |
| P                            | T. BERLIAN  | N JASA TER<br>DEX - SUPERVISOR  | RMINAL I   | NDONE                                     | SIA   |                        |  |       |
|                              | DASHBOARD USER  | DAILY REPORT SPAREP   | PART USED REPORT +   | EHRM BOX & FUEL +                         | PERF. SUN   | 1. & REPORTS +         | BD & ACCIDENT REPORTS +  | C     |
| C                            | Search Cetak  | 14/9  |  |   |   |                        |  |       |
| G<br>BP/                     | A Search Cetak<br>AREPART USED TABLE : RO'<br>HMK Unit / Terminal   | WS<br>Created / By  | 5  | Sparepart                                 | Quantity  | Note                   | OPTION   |       |
| 6<br>SP/<br>#                | AREPART USED TABLE : RO'<br>HMK Unit / Terminal<br>HMC 2<br>TERMINAL B  | WS<br>Created / By<br>99 FEB 2015 05:07:00<br>Administrator   | S OTHER SPA  | Sparepart<br>REPART 1                     | Quantity<br>10 pc   | Note                   | OPTION<br>Augument Edit Deletito   |       |
| 6<br>5P/<br>1<br>2           | A Search Cetak<br>AREPART USED TABLE - RO'<br>HMK Unit / Terminal<br>HMC 2<br>TERMINAL B<br>HMC 1<br>TERMINAL A                 | Created / By           09 FEB 2015 05:07:00           Administrator           08 FEB 2015 10:15:00           Administrator  | S<br>OTHER SPA   | Sparepart<br>REPART 1<br>REPART 1         | Quantity<br>10 pc<br>1 pc                                 | Note                   | OPTION<br>Ausone Edit Oclebs<br>Disagerove Edit Oclebs   |       |
| C<br>SP/<br>1<br>2<br>3      | A Search Cetak<br>AREPART USED TABLE : RO<br>HMK Unit / Terminal<br>HMC 1<br>TERMINAL B<br>HMC 1<br>TERMINAL A<br>HMC 1         | Created / By           09 FEB 2015 05 07 00           Administrator           08 FEB 2015 10 10 10 00           Administrator           08 FEB 2015 10 10 10 10 400           Administrator   | S OTHER SPA<br>OTHER SPA<br>HYDRAULIC                          | Sparepart<br>IREPART 1<br>IREPART 1       | Quantity<br>10 pc<br>1 pc<br>100 ltr                      | Note<br>NOTES<br>ASD   | OPTION<br>Rearry Edit Celler<br>Disagrowe Edit Celler<br>Disagrowe Edit Celler                 |       |
| C<br>SP/<br>1<br>2<br>3<br>4 | A Search Cetak AREPART USED TABLE : RO HMK Unit / Terminal HMC 2 TERMINAL B HMC 11 TERMINAL A HMC 1 TERMINAL A HMC 1 TERMINAL A | Created / By           09 FEB 2015 05:07:00           Administrator           08 FEB 2015 10:15:00           Administrator           08 FEB 2015 10:14:00           Administrator           07 FEB 2015 11:50:00           07 FEB 2015 11:50:00           Administrator | COTHER SPA<br>OTHER SPA<br>OTHER SPA<br>HYDRAULIC<br>GEARBOX C | Sparepart<br>REPART 1<br>IREPART 1<br>OIL | Quantity           10 pc           1 pc           100 ltr | Note<br>NOTES<br>NOTES | OPTION<br>Ret Celle<br>Disaptowe Edit Celles<br>Disaptowe Edit Celles<br>Disaptowe Edit Celles |       |

## Gambar 4.13 Halaman Sparepart Used

Adapun penjelasan mengenai Halaman Sparepart Used dapat dilihat

pada Tabel 4.13.

## Tabel 4.13 Penjelasan Halaman Sparepart Used

| Fungsional          | Input data Span  | repart Used                                      |
|---------------------|------------------|--|
| Declaringi          | Halaman ini b    | perfungsi untuk menampilkan data hasil generate  |
| Deskripsi           | daily report ole | eh operator lapangan I                           |
| Fungei              | Cetak            | Berfungsi untuk mencetak laporan                 |
| Tombol              | Search           | Berfungsi untuk mencari data yang telah          |
| 1011001             |                  | diinputkan.                                      |
| Fungei Field        | Record per       | Fasilitas untuk baris data yang akan ditampilkan |
| rungsi <i>Fiela</i> | page             | dari hasil inputan.                              |

#### e) Halaman Sub Menu EHRM & Fuel

Halaman Sub Menu *EHRM & Fuel Report* digunakan untuk menampilkan secara keseluruhan detail *Fuel Consumption* yang telah diinputkan dan jumlah *EHRM* pada HMC saat pengisian *fuel*. Juga terdapat tombol *generate*  untuk melihat laporan berdasarkan periode. Lebih jelasnya dapat dilihat pada Gambar 4.14.

| 2 D    | loc              | calhost/hmc                                       | /index.php   | /superv | isor1/e                            | hrm fue         | el repor   | rt            |            |           |               |                |           |               |                |           |               |                |           |                    |                |  |
|--------|------------------|---|--|---------|------------------------------------|-----------------|------------|---------------|------------|-----------|---------------|----------------|-----------|---------------|----------------|-----------|---------------|----------------|-----------|--------------------|----------------|--|
| Ternya | ata Ca           | ara Bisnis 👔                                      | Doug's 5 Da  | y High  | Tut                                | orial Lang      | gsing C    | En Go         | oogle Terj | emahan    | TEKN          | WK VOKA        | L YAN     | 🖼 Yuk         | Bakar Le       | mak le    | Car           | a Jitu Jad     | ikan 7 H  | 😂 Tor              | si, Tenaga     | a dan R                                |
| F      |                  | T. BE   |  |         | JAS                                |                 |            | RM            | INA        |           | ND            | ON             | ES        | IA            |                |           |               |                |           |                    |                |  |
|        |                  | DASHBOAR  | RD USER  | DAIL    | Y REPO                             | RT S            | PAREPA     | ART USE       | D REPO     | RT +      | EHRM E        | BOX & FU       | EL 🕶      | PERF.         | SUM. & F       | REPORTS   | •             | BD. & AC       | CIDENT P  | EPORTS             | 5 *            | O                                      |
|        |                  |   |  |         |                                    |                 |            |               |            |           | EHRM          | & BOX          | REPOR     | т             |                |           |               |                |           |                    |                |  |
|        |                  |   |  |         |                                    |                 |            |               |            |           | CU.010        |                |           | DT            |                |           |               |                |           |                    |                |  |
|        |                  |   | 10.7 J 11.0 10.0 10.0  |         | Concession of                      | -               |            |               |            |           | Енки          | aruc           | LINLFO    |               |                |           |               |                |           |                    |                |  |
| [      | +                | Generate EH                                       | IRM & Fuel I   | Report  | Q Se                               | arch            | 🖨 Cet      | lak           |            |           | ERRM          | arue           | L KLPO    |               |                |           |               |                |           |                    |                |  |
|        | +                | Generate EH                                       | IRM & Fuel I   | Report  | Q Se                               | arch            | 🖨 Cet      | lak           |            |           | ERKM          | Taruc          | LRUFU     |               |                |           |               |                |           |                    |                |  |
| E      | + (              | Generate EH                                       | IRM & Fuel I   | Report  | Q Se                               | arch            | 🖨 Cet      | lak           |            |           | ЕЛКИ          | TAFUL          | LALFO     |               |                |           |               |                |           |                    |                |  |
| E      | + (              | Generate EH<br>M & FUEL RE                        | IRM & Fuel I   | Report  | Q Se<br>NS<br>HMC 1                | arch            | e Cet      | HMC 2         |            |           | HMC 3         | T& FUC         |           | HMC 4         |                |           | HMC 5         |                |           | HMC 6              |                |  |
| E      | + (              | Generale EH<br>M & FUEL RE<br>Date                | IRM & Fuel I<br>EPORT TAB<br>Created /<br>By                     | Report  | Q Se<br>NS<br>HMC 1<br>FUEL        | %<br>FUEL       | eHRM       | HMC 2<br>FUEL | %<br>FUEL  | EHRM      | HMC 3         | %<br>FUEL      | EHRM      | HMC 4         | %<br>FUEL      | EHRM      | HMC 5         | %<br>FUEL      | EHRM      | HMC 6              | %<br>FUEL      | Option                                 |
| E      | + (<br>EHRM<br># | Generate EH<br>M & FUEL RE<br>Date<br>31/JAN/2015 | Created /<br>By<br>09 FEB<br>2015<br>03:25:12<br>supervisor<br>1 | Report  | Q Se<br>NS<br>HMC 1<br>FUEL<br>100 | %<br>FUEL<br>10 | EHRM<br>10 | HMC 2<br>FUEL | %<br>FUEL  | EHRM<br>0 | HMC 3<br>FUEL | %<br>FUEL<br>0 | EHRM<br>0 | HMC 4<br>FUEL | %<br>FUEL<br>0 | EHRM<br>0 | HMC 5<br>FUEL | %<br>FUEL<br>0 | EHRM<br>0 | HMC 6<br>FUEL<br>0 | %<br>FUEL<br>0 | Option<br>Disapprove<br>Edit<br>Delote |

Gambar 4.14 Sub-menu EHRM & Fuel Report

Adapun penjelasan mengenai Sub Menu EHRM & Box Report dapat

dilihat pada Tabel 4.14.

| Fungsional   | Menampilkan  | data EHRM & Fuel                                 |  |  |  |  |  |  |  |  |
|--------------|--|--|--|--|--|--|--|--|--|--|
|              | Halaman ini berfungsi untuk menampilkan data EHRM & Fuel     |  |  |  |  |  |  |  |  |  |
| Deskripsi    | Report serta generate EHRM & Fuel Report berdasarkan periode |  |  |  |  |  |  |  |  |  |
|              | oleh operator la   | oleh operator lapangan I                         |  |  |  |  |  |  |  |  |
|              | Generate   | Berfungsi untuk generate EHRM & Fuel             |  |  |  |  |  |  |  |  |
| Eunosi       | EHRM &   |  |  |  |  |  |  |  |  |  |
| Tombol       | Fuel   |  |  |  |  |  |  |  |  |  |
| 1011001      | Search   | Berfungsi untuk mencari data yang telah          |  |  |  |  |  |  |  |  |
|              |  | diinputkan.                                      |  |  |  |  |  |  |  |  |
| Eurosi Field | Record per   | Fasilitas untuk baris data yang akan ditampilkan |  |  |  |  |  |  |  |  |
| Tungsi Tieta | page   | dari hasil inputan.                              |  |  |  |  |  |  |  |  |

## Tabel 4.14 Penjelasan Sub Menu EHRM & Box

f) Halaman Generate EHRM & Fuel

Halaman generate EHRM & Fuel Report digunakan untuk menampilkan secara keseluruhan detail Fuel Consumption yang telah diinputkan dan jumlah EHRM pada HMC saat pengisian fuel. Juga terdapat tombol generate untuk melihat laporan berdasarkan periode. Lebih jelasnya dapat dilihat pada Gambar 4.14.



Adapun penjelasan mengenai Halaman Generate EHRM & Box Report

dapat dilihat pada Tabel 4.15.

| Fungsional | Menampilkan l   | hasil generate EHRM & Fuel                      |  |  |  |  |  |  |  |
|------------|---|---|--|--|--|--|--|--|--|
|            | Halaman ini berfungsi untuk menampilkan hasil generate EHRM |   |  |  |  |  |  |  |  |
| Deskripsi  | & Fuel Report   | t serta generate EHRM & Fuel Report berdasarkan |  |  |  |  |  |  |  |
|            | periode oleh op   | perator lapangan I                              |  |  |  |  |  |  |  |
| Eunosi     | Add   | Berfungsi untuk menyimpan hasil generate EHRM   |  |  |  |  |  |  |  |
| Fungsi     |   | & Fuel  |  |  |  |  |  |  |  |
| 1011001    | Search  | Berfungsi untuk mencari data yang telah         |  |  |  |  |  |  |  |

|              |            | diinputkan.                                      |
|--------------|------------|--|
| Fungei Field | Record per | Fasilitas untuk baris data yang akan ditampilkan |
| Tungsi Tieta | page       | dari hasil inputan.                              |

## g) Halaman Performance Report

Halaman *Performance Report* digunakan untuk menampilkan secara keseluruhan detail perhitungan kinerja alat HMC per hari dalam periode bulanan pada masing-masing alat HMC. Juga terdapat tombol *generate* untuk melihat laporan berdasarkan periode. Lebih jelasnya dapat dilihat pada Gambar 4.16.

| nvat         | a Cara Bisnis 🛛 💯  | Doug's                                | 5 Day High                                    |   | utorial Lan                       | asina C                                    | <b>80</b> 60                    | ogle Terie                        | mahan 🖪  | ΤΕΚΝΙΚ ΥΟΚΔΙ  | VAN. I Vuk B                                   | akar Lemak le 🖉 🕼                        | ara litu ladikan 7 H              | 🏠 Torsi Tenaga dan R   |
|--------------|--|---------------------------------------|---|---|-----------------------------------|--|---------------------------------|-----------------------------------|--|---|--|--|-----------------------------------|--|
| nyou         |  | g boug :                              | r o ouy r light                               |   | atomar can                        | gang c                                     | <b>4</b> 23 00                  | ogie reije                        |  | TERMIN FORME  |  |  |                                   | ap roisi, renega darria.   |
|              |  | Ы                                     | LANE  | 11  | 2 1 -                             | TED  | клі                             | ΝΙΛ                               |  |   |  |  |                                   |  |
| Г            | T. DE  | NL                                    |   | JA  | SA                                |  |                                 | INA                               |  | DON   | LSIA   |  |                                   |  |
| Ρ            | ERFORMAN   | NCEI                                  | REPORT  | IND   | EX - SI                           | UPER                                       | /ISOF                           | 21                                |  |   |  |  |                                   |  |
|              |  |                                       |   |   |                                   |  |                                 |                                   |  |   |  |  |                                   |  |
|              | DASHBOAR   | D U                                   | JSER DA                                       | ILY REP   | ORT                               | SPAREPAR                                   | RTUSE                           | REPOR                             | T 👻 EH   | IRM BOX & FUE                                       | L - PERF. SU                                   | M. & REPORTS 👻                           | BD. & ACCIDENT R                  | REPORTS - O  |
|              |  |                                       |   |   |                                   |  |                                 |                                   |  |   |  |  |                                   |  |
|              |  |                                       |   |   |                                   |  |                                 |                                   |  |   | DEDEO  | DMANCE SUMMAD                            | DV DEDODT                         |  |
|              |  |                                       |   |   |                                   |  |                                 |                                   |  |   | FERIO  |  | KT KEPORT                         |  |
|              | + Conorato Dor   | formar                                | nco Doport                                    |   | oarsh                             | Colo                                       | ł.                              |                                   |  |   | PERFO  | RMANCE REPORT                            |                                   |  |
| 5            | + Generate Per   | rformar                               | nce Report                                    | Qs  | earch                             | 🖨 Ceta                                     | k                               |                                   |  |   | PERFO  | RMANCE REPORT                            | R                                 |  |
|              | ╋ Generate Per   | rformar                               | nce Report                                    | Qs  | earch                             | 🚔 Ceta                                     | k                               |                                   |  |   | PERFO  | RMANCE REPORT                            | R                                 |  |
| PE           | + Generate Per   | rformar<br>REPOR                      | ice Report                                    | Qs  | earch                             | 🖨 Ceta                                     | k                               |                                   | í.   |   | PERFO  | RMANCE REPORT                            |                                   |  |
| PE           | + Generate Per   | rformar<br>REPOR                      | nce Report<br>RT TABLE : I                    | Q s<br>Rows                                     | earch<br>Total O                  | Cetal                                      | k<br>Hours                      |                                   | Operatio   | ng Hours  | PERFO  |  |                                   |  |
| PE           | + Generate Per   | rformar<br>REPOR                      | nce Report                                    | Q S<br>ROWS                                     | earch<br>Total O                  | Ceta<br>utstage I<br>(TO)                  | k<br>Hours                      |                                   | Operation (C                                       | ng Hours<br>DP)                                     | PERFO  | RMANCE REPORT                            |                                   |  |
| PE           | + Generate Per<br>ERFORMANCE F<br>Date / HMK<br>Unit   | rformar<br>REPOR<br>Day               | nce Report<br>RT TABLE : I<br>TH per<br>month | Q S<br>ROWS                                     | earch<br>Total O<br>BD Re         | Ceta<br>utstage I<br>(TO)<br>BD Av         | k<br>Hours<br>A                 | s<br>(Hrs)                        | Operatin<br>(C<br>Plug I<br>(Hrs)                  | ng Hours<br>DP)<br>Plug II<br>(Hrs)                 | Utilization<br>Time(%)                         | Reliability<br>Time(%)                   | Availability<br>Time(%)           | option   |
| PE           | + Generate Per<br>ERFORMANCE F<br>Date / HMK<br>Unit<br>01/Feb/2015                                  | rformar<br>REPOR<br>Day<br>Sun        | TH per<br>month<br>21.00                      | Q S<br>ROWS<br>PM<br>0.00                       | earch<br>Total O<br>BD Re<br>0.00 | Ceta<br>utstage I<br>(TO)<br>BD Av<br>0.00 | k<br>Hours<br>A<br>0.00         | s<br>(Hrs)<br>0.00                | Operatii<br>(C<br>Plug I<br>(Hrs)<br>0.00          | Plug II<br>(Hrs)                                    | Utilization<br>Time(%)                         | Reliability<br>Time(%)                   | Availability<br>Time(%)           | Option   |
| PE # 1       | + Generate Per<br>ERFORMANCE F<br>Date / HMK<br>Unit<br>01/Feb/2015<br>HMC 1                         | rformar<br>REPOR<br>Day<br>Sun        | TH per<br>month<br>21.00                      | C s<br>ROWS<br>PM<br>0.00                       | earch<br>Total O<br>BD Re<br>0.00 | Ceta<br>utstage I<br>(TO)<br>BD Av<br>0.00 | k<br>Hours<br>A<br>0.00         | <b>s</b><br>(Hrs)<br>0.00         | Operatii<br>(C<br>Plug I<br>(Hrs)<br>0.00          | ng Hours<br>DP)<br>Plug II<br>(Hrs)<br>0.00         | Utilization<br>Time(%)                         | Reliability<br>Time(%)                   | Availability<br>Time(%)<br>100.00 | Option<br>Disapprove Edit<br>Detete  |
| PE<br>#<br>1 | + Generate Per<br>ERFORMANCE F<br>Date / HMK<br>Unit<br>01/Feb/2015<br>HMC 1<br>31/Jan/2015          | rformar<br>REPOR<br>Day<br>Sun<br>Sat | TH per<br>month<br>21.00<br>21.00             | Q S<br>ROWS<br>PM<br>0.00<br>2.00               | earch<br>Total O<br>BD Re<br>0.00 | Ceta<br>utstage (<br>(TO)<br>BD Av<br>0.00 | k<br>Hours<br>A<br>0.00         | <b>s</b><br>(Hrs)<br>0.00         | Operatin<br>(C<br>Plug I<br>(Hrs)<br>0.00<br>22.00 | ng Hours<br>DP)<br>Plug II<br>(Hrs)<br>0.00<br>0.00 | Utilization<br>Time(%)<br>100.00               | Reliability<br>Time(%)<br>0.00           | Availability<br>Time(%)<br>100.00 | Option<br>Disapprove Edit<br>Disapprove Edit   |
| PE           | + Generate Per<br>ERFORMANCE F<br>Date / HMK<br>Unit<br>01/Feb/2015<br>HMC 1<br>31/Jan/2015<br>HMC 1 | rformar<br>REPOR<br>Day<br>Sun<br>Sat | TH per<br>month<br>21.00<br>21.00             | <b>Q</b> s<br>ROWS<br><b>PM</b><br>0.00<br>2.00 | earch<br>Total O<br>BD Re<br>0.00 | Ceta<br>utstage I<br>(TO)<br>BD Av<br>0.00 | k<br>Hours<br>A<br>0.00<br>0.00 | <b>s</b><br>(Hrs)<br>0.00<br>0.00 | Operatin<br>(C<br>Plug I<br>(Hrs)<br>0.00<br>22.00 | ng Hours<br>DP)<br>Plug II<br>(Hrs)<br>0.00<br>0.00 | Vtilization           Time(%)           100.00 | Reliability<br>Time(%)<br>0.00<br>100.00 | Availability<br>Time(%)<br>100.00 | Option<br>Disapprove Edit<br>Overse<br>Disapprove Edit<br>Disapprove Edit<br>Disaptrove Edit |

Gambar 4.16 Halaman Performance Report

Adapun penjelasan mengenai Halaman Performance Report dapat dilihat

pada Tabel 4.16.

| Fungsional | Menampilkan Performance Report                               |
|------------|--|
| Dockringi  | Halaman ini berfungsi untuk menampilkan data Performance     |
| Deskripsi  | Report serta generate Performance Report berdasarkan periode |

| Tabel 4.16 Penjelasan | Halaman | Performance | Report |
|-----------------------|---------|-------------|--------|
|-----------------------|---------|-------------|--------|

|              | dan fungsi pers    | etujuan oleh operator lapangan I                 |  |  |  |  |  |  |  |
|--------------|--------------------|--|--|--|--|--|--|--|--|
| Fungsi       | Generate<br>EHRM & | Berfungsi untuk generate EHRM & Fuel             |  |  |  |  |  |  |  |
| Tombol       | Fuel               |  |  |  |  |  |  |  |  |
| 1011001      | Search             | Berfungsi untuk mencari data yang telah          |  |  |  |  |  |  |  |
|              |                    | diinputkan.                                      |  |  |  |  |  |  |  |
| Fungsi Field | Record per         | Fasilitas untuk baris data yang akan ditampilkan |  |  |  |  |  |  |  |
| rungsi Fieta | page               | dari hasil inputan.                              |  |  |  |  |  |  |  |

## h) Halaman Generate Performance Report

Halaman *Generate Performance Report* digunakan untuk menampilkan hsail perhitungan kinerja alat HMC dalam periode bulanan pada masing-masing alat HMC. Lebih jelasnya dapat dilihat pada Gambar 4.17.

| DASHB   | nmc/in   | dex.php/superv<br>oug's 5 Day High   | visor1,  | /performa   |   |   |  |  |   |  |  |  |
|---|--|--|--|---|---|---|--|--|---|--|--|--|
| nyata Cara Bisnis<br>DASHB  | - <u>1</u>   | oug's 5 Day High   |  |   | nce_repor   | t/add   |  |  |   |  |  |  |
| DASHB   |  |  |  | Futorial Lang   | sing C 🧕  | Google  | Terjemahan   | E TEKNIK V   | DKAL YAN 🧟  | Yuk, Bakar Lemak le  | Cara Jitu Jadikan 7 H  | 🗱 Torsi, Tenaga dan R  |
| DASHB   |  |  |  |   |   |   |  |  |   |  |  |  |
|   | OARD   | USER DA  | ILY REP  | ORT S   | PAREPART  | JSED RE   | PORT -   | EHRM BOX 8   | FUEL + PE   | ERF. SUM. & REPORTS -  | BD. & ACCIDENT R   | EPORTS - O   |
|   |  |  |  |   |   |   |  |  | AN  |  | UKW  |  |
|   |  |  |  |   |   |   |  |  |   |  |  |  |
| Performa  | nce l  | Report Gen   | erate  | Form  | r 1   |   |  |  |   |  |  |  |
|   |  |  |  |   |   |   |  |  |   |  |  |  |
| Mulai Tan   | ggal   | 02/01/2015   |  | Sampa   | i Tanggal   | 02  | /28/2015   |  | HMK Unit  | HMC 1 •  |  |  |
|   |  |  |  |   |   |   |  |  |   |  |  |  |
|   |  |  |  |   |   |   |  |  |   |  |  |  |
|   |  |  |  |   |   |   |  |  |   |  | + 6  |  |
|   |  |  |  |   |   |   |  |  |   |  | <b>+</b> G   | enerate X Cancel   |
| PERFORMAN   | ICE RE   | PORT TABLE OF  | F : HM   | C 1   |   |   |  |  |   |  | <b>+</b> G   | enerate X Cancel   |
| PERFORMAN<br>DATE : 02/01/  | ICE RE<br>2015 -                                     | PORT TABLE OF<br>02/28/2015  | F : HM   | C 1   | tstage Hou  | Irs (TO)  |  | Operating  | Hours (OP)  |  | + G  | enerate X Cancel   |
| PERFORMAN<br>DATE : 02/01/<br>Date  | ICE RE<br>2015 -<br>Day                              | PORT TABLE OI<br>02/28/2015<br>TH per month  | F : HM   | C 1<br>Total Ou<br>BD Re  | tstage Hou<br>BD Av   | irs (TO)<br>A   | S (Hrs)  | Operating<br>Plug I (Hrs)  | Hours (OP)<br>Plug II (Hrs)   | Utilization Time(%)  | <b>+</b> G<br>Reliability Time(%)  | Availability Time(%)   |
| PERFORMAN<br>DATE : 02/01/<br>Date<br>01/Feb/2015   | Day<br>Sun   | PORT TABLE OI<br>02/28/2015<br>TH per month<br>21.00   | F : HM<br>PM<br>0.00                               | C 1<br>Total Ou<br>BD Re<br>0.00  | tstage Hou<br>BD Av<br>0.00   | ars (TO)<br>A<br>0.00                                     | <b>S (Hrs)</b><br>0.00   | Operating<br>Plug I (Hrs)<br>18.00   | Hours (OP)<br>Plug II (Hrs)<br>0.00   | Utilization Time(%)<br>100.00  | + G<br>Reliability Time(%)<br>100.00   | Availability Time(%)   |
| PERFORMAN<br>DATE : 02/01/<br>Date<br>01/Feb/2015<br>02/Feb/2015  | Day<br>Sun   | PORT TABLE OI<br>02/28/2015<br>TH per month<br>21.00<br>21.00  | PM<br>0.00<br>0.00                                 | C 1<br>Total Ou<br>BD Re<br>0.00<br>0.00                                  | BD Av<br>0.00<br>0.00   | ars (TO)<br>A<br>0.00<br>0.00                             | <b>S (Hrs)</b><br>0.00<br>0.00   | Operating<br>Plug I (Hrs)<br>18.00<br>0.00   | Hours (OP)<br>Plug II (Hrs)<br>0.00<br>0.00   | Utilization Time(%)<br>100.00<br>100.00  | + G<br>Reliability Time(%)<br>100.00<br>0.00                                 | Availability Time(%)<br>100.00   |
| DATE : 02/01/<br>Date<br>01/Feb/2015<br>02/Feb/2015<br>03/Feb/2015  | Day<br>Sun<br>Tue                                    | TH per month<br>21.00<br>21.00   | PM<br>0.00<br>0.00<br>0.00                         | C 1<br>Total Ou<br>BD Re<br>0.00<br>0.00<br>0.00                          | Estage Hou<br>BD Av<br>0.00<br>0.00<br>0.00   | A<br>0.00<br>0.00<br>0.00                                 | <b>S (Hrs)</b><br>0.00<br>0.00<br>0.00                                 | Operating<br>Plug I (Hrs)<br>18.00<br>0.00<br>0.00                                 | Hours (OP)<br>Plug II (Hrs)<br>0.00<br>0.00<br>0.00   | Utilization Time(%)<br>100.00<br>100.00<br>100.00                                | + G<br>Reliability Time(%)<br>100.00<br>0.00<br>0.00                         | Availability Time(%) 100.00 100.00 100.00  |
| PERFORMAN<br>DATE : 02/01/<br>Date<br>01/Feb/2015<br>02/Feb/2015<br>03/Feb/2015<br>04/Feb/2015                | Day<br>Sun<br>Mon<br>Tue<br>Wed                      | PORT TABLE OI<br>02/28/2015<br>TH per month<br>21.00<br>21.00<br>21.00<br>21.00                            | PM<br>0.00<br>0.00<br>0.00<br>0.00                 | C 1<br>Total Ou<br>BD Re<br>0.00<br>0.00<br>0.00<br>0.00                  | Estage Hou<br>BD Av<br>0.00<br>0.00<br>0.00<br>0.00   | A 0.00<br>0.00<br>0.00<br>0.00<br>0.00                    | <b>S (Hrs)</b><br>0.00<br>0.00<br>0.00<br>0.00                         | Operating<br>Plug I (Hrs)<br>18.00<br>0.00<br>0.00<br>0.00                         | Hours (OP)<br>Plug II (Hrs)<br>0.00<br>0.00<br>0.00<br>0.00   | Utilization Time(%)<br>100.00<br>100.00<br>100.00                                | + G<br>Reliability Time(%)<br>100.00<br>0.00<br>0.00<br>0.00                 | Availability Time(%) 100.00 10 |
| PERFORMAN<br>DATE : 02/01/<br>Date<br>01/Feb/2015<br>02/Feb/2015<br>03/Feb/2015<br>04/Feb/2015<br>05/Feb/2015 | Day<br>Day<br>Sun<br>Mon<br>Tue<br>Wed<br>Thu        | PORT TABLE OI<br>02/28/2015<br>TH per month<br>21.00<br>21.00<br>21.00<br>21.00<br>21.00                   | PM<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00         | C 1<br>Total Ou<br>BD Re<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00          | Estage Hou<br>BD Av<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00   | A<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00         | <b>S (Hrs)</b><br>0.00<br>0.00<br>0.00<br>0.00<br>0.00                 | Operating<br>Plug I (Hrs)<br>18.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00         | Hours (OP)<br>Plug II (Hrs)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00                         | Utilization Time(%)<br>100.00<br>100.00<br>100.00<br>100.00                      | Reliability Time(%)<br>100.00<br>0.00<br>0.00<br>0.00<br>0.00                | Availability Time(%)<br>100.00<br>100.00<br>100.00<br>100.00   |
| PERFORMAN<br>DATE : 02/01/<br>Date<br>01/Feb/2015<br>02/Feb/2015<br>03/Feb/2015<br>03/Feb/2015<br>05/Feb/2015 | Day<br>Day<br>Sun<br>Mon<br>Tue<br>Wed<br>Thu<br>Fri | PORT TABLE OI<br>02/28/2015<br>TH per month<br>21.00<br>21.00<br>21.00<br>21.00<br>21.00<br>21.00<br>21.00 | PM<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00         | Total Ou<br>BD Re<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00         | BD Av           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00 | A<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00         | S (Hrs)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00                | Operating<br>Plug I (Hrs)<br>18.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00 | Hours (OP)<br>Plug II (Hrs)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00                 | Utilization Time(%)<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00            | + G<br>Reliability Time(%)<br>100.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00 | Availability Time(%)<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00   |
| PERFORMAN<br>DATE : 02/01/<br>Date<br>01/Feb/2015<br>02/Feb/2015<br>03/Feb/2015<br>05/Feb/2015<br>06/Feb/2015 | Day<br>Day<br>Sun<br>Mon<br>Tue<br>Wed<br>Thu<br>Fri | PORT TABLE 00<br>02/28/2015<br>TH per month<br>21.00<br>21.00<br>21.00<br>21.00<br>21.00<br>21.00<br>21.00 | PM<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00 | Total Ou<br>BD Re<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00 | Estage Hou<br>BD Av<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00   | A<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00 | <b>S (Hrs)</b><br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00 | Operating<br>Plug I (Hrs)<br>18.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00         | Hours (OP)<br>Plug II (Hrs)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00 | Utilization Time(*6)<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00 |  | Availability Time(%)<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00   |

Gambar 4.17 Halaman Generate Performance Report

Adapun penjelasan mengenai Halaman *Generate Performance Report* dapat dilihat pada Tabel 4.17.

Tabel 4.17 Penjelasan Halaman Generate Performance Report

| Fungsional   | Menampilkan Halaman Generate Performance Report |  |  |  |  |  |  |
|--------------|---|--|--|--|--|--|--|
|              | Halaman ini                                     | berfungsi untuk menampilkan data Performance     |  |  |  |  |  |
| Deskripsi    | Summary sert                                    | a generate Performance Summary berdasarkan       |  |  |  |  |  |
|              | periode dan fui                                 | ngsi persetujuan oleh operator lapangan I        |  |  |  |  |  |
| Fungei       | Add   | Berfungsi untuk generate Performance Report      |  |  |  |  |  |
| Tombol       | Search  | Berfungsi untuk mencari data yang telah          |  |  |  |  |  |
| 1011001      |   | diinputkan.                                      |  |  |  |  |  |
| Fungei Field | Record per                                      | Fasilitas untuk baris data yang akan ditampilkan |  |  |  |  |  |
| Fungsi Fiela | page  | dari hasil inputan.                              |  |  |  |  |  |

i) Halaman Performance Summary

Halaman *Performance Report* digunakan untuk menampilkan hsail perhitungan kinerja alat HMC dalam periode bulanan pada masing-masing alat HMC. Juga terdapat tombol *generate* untuk melihat laporan berdasarkan periode. Lebih jelasnya dapat dilihat pada Gambar 4.18.

| Google                 |  | × 🔀 F   | erformance S                                   | iummary Re   | ×   |   |  | 10.00                              |                                      |                                  | -                                    |                                     |  |  |   |   |  | Bob  | by — C |
|------------------------|--|---|--|--|---|---|--|------------------------------------|--------------------------------------|----------------------------------|--------------------------------------|-------------------------------------|--|--|---|---|--|--|--------|
| > C 🗅                  | localho  | st/hmc/in   | dex.php/si                                     | upervisor  | 1/perfor  | mance_su  | mmary  |                                    |                                      | D                                |                                      |                                     |  | E  |   |   |  |  |        |
| I 📧 Ternyat            | ta Cara Bisi   | nis 🔣 D   | oug's 5 Day H                                  | ligh 🧧   | Tutorial L  | angsing C   | a Google Te  | erjemahan                          | E TEKN                               | JIK VOKAL                        | YAN                                  | 🛛 Yuk, Ba                           | kar Lemak  | le 📧   | Cara Jitu J   | adikan 7 H                                      | 🗱 Torsi, T   | enaga dan R  |        |
|                        |  |   |  |  |   |   |  |                                    |                                      |                                  |                                      |                                     |  |  |   |   |  |  |        |
| F                      | PT.  | BEF   | RLIA   | N JA   | SA  | TER   | RMIN/  | AL I                               | ND                                   | ON                               | ESI                                  | A                                   |  |  |   |   |  |  |        |
| P                      | ERFO   | RMAN  | E SUM  | MARY   | INDEX   | - SUPE  | RVISOR1  |                                    |                                      | -                                |                                      |                                     |  |  |   |   |  |  |        |
|                        |  |   |  |  |   |   |  |                                    |                                      |                                  |                                      |                                     |  |  |   |   |  |  |        |
|                        |  |   |  | DAWAYD   | FRONT   | 0040504   |  |                                    | FUELO                                |                                  |                                      |                                     |  |  |   | 0.0105113                                       | 0500070  |  |        |
|                        | DAS  | SHBUARD   | USER   | DAILYR   | EPORT   | SPAREPA   | RT USED REP  |                                    | EHRMB                                | IOX & FUE                        | L Y F                                | ERF. SUI                            | VI. & REPO                                       | RIS -  | BD. & A   | CODENT  | REPORTS +  | 0  |        |
|                        |  |   |  |  |   |   |  |                                    |                                      |                                  |                                      |                                     |  |  |   |   |  |  |        |
|                        |  |   |  |  |   |   |  |                                    |                                      |                                  |                                      | PERFOR                              | RMANCE   | SUMMA  | RY REP  | ORT   |  |  |        |
|                        |  |   |  |  |   |   |  |                                    |                                      |                                  |                                      | PERFO                               | RMANCE<br>RMANCE                                 | SUMMA<br>REPOR                                 | ry rep<br>T   | ORT   |  |  |        |
|                        | + Gene   | rate Perfo  | mance Sur                                      | nmary Re   | port  | Q. Search   | 📥 Cetak  |                                    |                                      |                                  |                                      | PERFO                               | RMANCE   | SUMMA<br>REPOR                                 | ry rep<br>T   | ORT   |  |  |        |
|                        | 🕇 Gene   | rate Perfo  | mance Sur                                      | nmary Re   | port  | Q Search  | 📥 Cetak  |                                    | 0                                    |                                  |                                      | PERFOR                              |  | REPOR  | RY REP  |   |  |  |        |
| PE                     | + Gener  | rate Perfo  | mance Sur                                      | nmary Re   | aport   | Q Search  | 🚔 Cetak  |                                    | S                                    | 5 1                              |                                      | PERFOR                              |  | REPOR  |   | ORT   | A A  |  |        |
| PE                     | + Gener  | rate Perfo  | mance Sur                                      | nmary Re<br>EPORT T#                                   | aport (<br>ABLE : RC<br>NPUT - D                                | Q Search<br>DWS<br>ATA                            | - Cetak  |                                    | S                                    | 5 1                              | J                                    | PERFOR                              |  | BUMMA<br>REPOR<br>B                            |   |   | ΎΑ   |  |        |
| PE                     | + Gener  | TH  | mance Sur<br>MMARY RE<br>EHRM                  | nmary Re<br>EPORT TA<br>II<br>OP                       | ABLE : RC<br>NPUT - D<br>PM                                     | Q Search<br>DWS<br>ATA<br>BD Re.                  | ED Av.   | s                                  | NB                                   | FU                               | ТО                                   | PERFOR                              |  | BUMMA<br>REPOR<br>B                            |   | ORT   | FU/EHRM  |  |        |
| PE                     | + Gener  | TH<br>(Hour)  | MMARY RE<br>EHRM<br>(Hour)                     | nmary Re<br>EPORT TA<br>II<br>OP<br>(Hour)             | ABLE : RC<br>NPUT - D<br>PM<br>(Hour)                           | Q Search<br>WS<br>ATA<br>BD Re.<br>(Hour)         | BD Av.<br>(Hour)   | S<br>(Hour)                        | NB<br>(Hour)                         | FU<br>(Liter)                    | TO<br>(Hour)                         | PERFOR<br>PERFOR<br>R               | RMANCE<br>RMANCE<br>CA<br>Re %                   | B<br>REPOR<br>B<br>LCULA                       | RY REP<br>T<br>T<br>TED - DA                              | ATA<br>Av %                                     | FU/EHRM<br>Liter/Hour                                | OPTION   |        |
| PE<br>#                | + Gener  | ANCE SU   | mance Sur<br>MMARY RE<br>EHRM<br>(Hour)<br>390 | EPORT TA<br>II<br>OP<br>(Hour)<br>22.00                | ABLE : RC<br>NPUT - D<br>PM<br>(Hour)<br>2.00                   | ATA<br>BD Re.<br>(Hour)<br>0.00                   | BD Av.<br>(Hour)   | <b>s</b><br>(Hour)<br>0.00         | NB<br>(Hour)<br>0.00                 | FU<br>(Liter)<br>100.00          | то<br>(Hour)<br>0.00                 | PERFOR<br>PERFOR<br>MTBF            | RMANCE<br>RMANCE<br>CA<br>Re %<br>100.00         | B<br>REPOR<br>B<br>LCULA<br>Ut %               | T<br>T<br>T<br>T<br>TED - DA<br>Idle %<br>96.26           | ORT<br>ATA<br>Av %<br>100.00                    | EU/EHRM<br>Liter/Hour<br>0.26                        | OPTION<br>Disapprove   |        |
| PE<br>#                | + Gener  | TH<br>(Hour)<br>588.00  | mance Sur<br>MMARY RE<br>EHRM<br>(Hour)<br>390 | nmary Re<br>EPORT TA<br>II<br>OP<br>(Hour)<br>22.00    | ABLE : RC<br>NPUT - D<br>PM<br>(Hour)<br>2.00                   | A Search<br>WS<br>ATA<br>BD Re.<br>(Hour)<br>0.00 | BD Av.<br>(Hour)<br>0.00   | <b>s</b><br>(Hour)<br>0.00         | <mark>NВ</mark><br>(Hour)<br>0.00    | FU<br>(Liter)<br>100.00          | то<br>(Hour)<br>0.00                 | PERFOR<br>PERFOR<br>MTBF            | RMANCE<br>RMANCE<br>CA<br>Re %<br>100.00         | B<br>REPOR<br>B<br>LCULA                       | TED - DA  | ORT<br>ATA<br>Av %<br>100.00                    | FU/EHRM<br>Liter/Hour<br>0.26                        | OPTION<br>Disapprove<br>Edit<br>Defete   |        |
| PE<br>1                | + Gener  | TH<br>(Hour)<br>588.00  | MMARY RE<br>EHRM<br>(Hour)<br>390              | PORT TA  | ABLE : RC<br>NPUT - D<br>PM<br>(Hour)<br>2.00                   | ATA<br>BD Re.<br>(Hour)<br>0.00                   | Cetak BD Av.<br>(Hour) 0.00  | <b>S</b><br>(Hour)<br>0.00         | NB<br>(Hour)<br>0.00                 | FU<br>(Liter)<br>100.00          | <b>TO</b><br>(Hour)<br>0.00          | PERFOR<br>PERFOR<br>MTBF<br>0       | RMANCE<br>RMANCE<br>CA<br>Re %<br>100.00         | B<br>LCULA<br>Ut %                             | TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT                    | ORT   | FU/EHRM<br>Liter/Hour<br>0.26                        | OPTION<br>Disapprove<br>Edit<br>Delete   |        |
| PEE<br>#<br>1<br>2     | + Gener<br>ERFORM<br>HMK<br>UNIT<br>HMC 1<br>2 HMC 2 | TH<br>(Hour)<br>588.00  | MMARY RE<br>EHRM<br>(Hour)<br>390              | EPORT TA<br>III<br>OP<br>(Hour)<br>22.00               | ABLE : RC<br>NPUT - D<br>PM<br>(Hour)<br>2.00                   | ATA<br>BD Re.<br>(Hour)<br>0.00<br>2.00           | BD Av.<br>(Hour)<br>0.00<br>4.00   | <b>s</b><br>(Hour)<br>0.00         | NB<br>(Hour)<br>0.00<br>6.00         | FU<br>(Liter)<br>100.00          | <b>TO</b><br>(Hour)<br>0.00          | PERFOR<br>PERFOR<br>MTBF<br>0<br>98 | RMANCE<br>RMANCE<br>CA<br>Re %<br>100.00         | B<br>REPOR<br>LCULA<br>Ut %<br>100.00<br>98.30 | RY REP<br>T<br>TED - DA<br>Idle %<br>96.26                | ORT<br>ATA<br>Av %<br>100.00<br>99.32           | <b>FU/EHRM</b><br>Liter/Hour<br>0.26<br>1.00         | OPTION<br>Disapprove<br>Edit<br>Disapprove<br>Edit                                     |        |
| PE<br>#<br>1<br>2      | + Gener  | TH<br>(Hour)<br>588.00  | MMARY RE<br>EHRM<br>(Hour)<br>390              | EPORT TA<br>II<br>OP<br>(Hour)<br>22.00<br>2.00        | ABLE : RC<br>NPUT - D<br>PM<br>(Hour)<br>2.00                   | ATA<br>BD Re.<br>(Hour)<br>0.00<br>2.00           | BD Av.<br>(Hour)<br>0.00<br>4.00   | <b>S</b><br>(Hour)<br>0.00         | NB<br>(Hour)<br>0.00<br>6.00         | FU<br>(Liter)<br>100.00<br>10.00 | <b>TO</b><br>(Hour)<br>0.00<br>10.00 | PERFOR<br>PERFOR<br>MTBF<br>0<br>98 | RMANCE<br>RMANCE<br>CA<br>Re %<br>100.00         | B<br>REPOR<br>LCULA<br>Ut %<br>100.00          | RY REP<br>T<br>T<br>TED - DA<br>Idle %<br>96.26<br>99.65  | ORT<br>ATA<br>AV %<br>100.00<br>99.32           | FU/EHRM<br>Liter/Hour<br>0.26<br>1.00                | OPTION<br>Disapprove<br>Edit<br>Disapprove<br>Edit<br>Delete                           |        |
| PE<br>#<br>1<br>2<br>3 | + Gener  | TH<br>(Hour)         TH<br>(Hour)           588.00           :         588.00 | MMARY RE<br>EHRM<br>(Hour)<br>390<br>10        | PORT TA<br>II<br>OP<br>(Hour)<br>22.00<br>2.00<br>0.00 | Port C<br>ABLE : RC<br>NPUT - D<br>PM<br>(Hour)<br>2.00<br>0.00 | BD Re.<br>(Hour)           0.00           2.00    | <ul> <li>♣ Cetak</li> <li>BD Av.<br/>(Hour)</li> <li>0.00</li> <li>4.00</li> <li>0.00</li> </ul> | <b>S</b><br>(Hour)<br>0.00<br>0.00 | NB<br>(Hour)<br>0.00<br>6.00<br>0.00 | FU<br>(Liter)<br>100.00<br>10.00 | <b>TO</b><br>(Hour)<br>0.00<br>10.00 | PERFOR<br>PERFOR<br>0<br>98         | RMANCE<br>RMANCE<br>CA<br>Re %<br>100.00<br>0.00 | EPOR<br>B<br>LCULA<br>Ut %<br>100.00<br>98.30  | RY REP<br>T<br>T<br>TED - DA<br>Idle %<br>99.65<br>100.00 | ORT<br>ATA<br>Av %<br>100.00<br>99.32<br>100.00 | <b>FU/EHRM</b><br>Liter/Hour<br>0.26<br>1.00<br>0.00 | OPTION<br>Disapprove<br>Edit<br>Disapprove<br>Edit<br>Disapprove<br>Edit<br>Disapprove |        |

## Gambar 4.18 Halaman Performance Summary

Adapun penjelasan mengenai Halaman *Performance Summary* dapat dilihat pada Tabel 4.18.

| Fungsional   | Menampilkan   | Halaman Performance Summary                      |  |  |  |  |  |  |
|--------------|---|--|--|--|--|--|--|--|
|              | Halaman ini   | berfungsi untuk menampilkan data Performance     |  |  |  |  |  |  |
| Deskripsi    | Summary serta generate Performance Summary berdasarkar  |  |  |  |  |  |  |  |
|              | periode dan fungsi persetujuan oleh operator lapangan I |  |  |  |  |  |  |  |
|              | Generate  | Berfungsi untuk generate Performance Summary     |  |  |  |  |  |  |
| Eunoci       | Performance   |  |  |  |  |  |  |  |
| Tombol       | Summary   |  |  |  |  |  |  |  |
| 1011001      | Search  | Berfungsi untuk mencari data yang telah          |  |  |  |  |  |  |
|              |   | diinputkan.                                      |  |  |  |  |  |  |
| Fungei Field | Record per  | Fasilitas untuk baris data yang akan ditampilkan |  |  |  |  |  |  |
| rungsi Fiela | page  | dari hasil inputan.                              |  |  |  |  |  |  |

| <b>Tabel 4.18</b> | Penjelasan | Halaman | Performance | Summary |
|-------------------|------------|---------|-------------|---------|
|-------------------|------------|---------|-------------|---------|

j) Halaman Generate Performance Summary

Halaman *Generate Performance Summary* digunakan untuk menampilkan hsail perhitungan kinerja alat HMC dalam periode bulanan pada masing-masing alat HMC. Lebih jelasnya dapat dilihat pada Gambar 4.19.

| 1   | ocalhost/   | hmc/index  | .php/super  | visor1/per   | tormance.  | _summary/a   | dd  |  |  | _   |  |  |  |   |   |   |   |
|---|---|--|---|--|--|--|---|--|--|---|--|--|--|---|---|---|---|
| /ata  | Cara Bisnis.  | 🔣 Doug'  | 's 5 Day High   | 📧 Tutor  | ial Langsing   | C 🔉 Goog   | le Terjemahan 【   | TEKNIK V   | OKAL YAN   | . 🛛 🚾 Yuk, B  | lakar Lemak l  | e 🚾 (  | ara Jitu Ja  | dikan 7 H   | 🛛 🍄 Tor   | si, Tenaga  | dan R   |
|   |   |  |   |  |  |  |   |  |  |   |  |  |  |   |   |   |   |
| Pe  | erforma   | ince Sui   | mmary R   | leport G   | enerate  | e Form   |   |  |  |   |  |  |  |   |   |   |   |
|   |   |  |   |  |  |  |   | C  | 1.1  | D   | Λ  | D  | -Λ   | $\sim$  | Λ   |   |   |
|   | Mulai Tan   | ggal   | 02/01/2015  | \$   | Sampai Ta  | nggal  | )2/28/2015  | $\supset$  | U  |   | A  | D  | A  | . T   |   |   |   |
|   |   |  |   |  |  |  |   |  |  |   |  |  |  |   |   |   |   |
|   |   |  |   |  |  |  |   |  |  |   |  |  |  | +   | Generate  | ×   | Cancel  |
|   |   |  |   |  |  |  |   |  |  |   |  |  |  |   | oonoraa   | ننا 2   | ouncor  |
| PE  | RFORMA  | NCE SUMM   | ARY REPOR   | T TABLE :  | ROWS   |  |   |  |  |   |  |  |  |   |   |   |   |
|   |   | 10015 001  | 20/201E   |  |  |  |   |  |  |   |  |  |  |   |   |   |   |
| DA  | TE: 02/01   | /2015 - 02/  | 20/2015   |  |  |  |   |  |  |   |  |  |  |   |   |   |   |
| DA  | TE:02/01  | /2015 - 02/  | 20/2013   |  | INPUT - D  | ATA  |   |  |  |   |  | CAL  | CULATE   | D - DAT   | A   |   |   |
| DA  | TE : 02/01<br>HMK   | 72015 - 02/  | EHRM  | OP   | INPUT - D  | ATA<br>BD Re.  | BD Av.  | S  | NB   | FU  | то   | CAL  | CULATE   | D - DAT   | A   |   | FU /  |
| #   | TE : 02/01<br>HMK<br>UNIT   | TH<br>(Hour)   | EHRM<br>(Hour)  | OP<br>(Hour)   | INPUT - D/<br>PM<br>(Hour)   | ATA<br>BD Re.<br>(Hour)  | BD Av.<br>(Hour)  | S<br>(Hour)  | NB<br>(Hour)   | FU<br>(Liter)   | TO<br>(Hour)   | CAL<br>MTBF  | CULATE   | D - DAT   | A<br>Idle %   | Av %  | FU /<br>EHRM  |
| #   | HMK<br>UNIT<br>HMC 1  | TH<br>(Hour)<br>588.00   | EHRM<br>(Hour)<br>180   | OP<br>(Hour)<br>31.54  | PM<br>(Hour)<br>0.00   | ATA<br>BD Re.<br>(Hour)<br>0.00  | BD Av.<br>(Hour)  | <b>s</b><br>(Hour)<br>0.00   | NB<br>(Hour)<br>0.00   | FU<br>(Liter)<br>90.00  | <b>TO</b><br>(Hour)<br>0.00  | CAL<br>MTBF  | CULATE<br>Re %   | D - DATA<br>Ut %<br>100.00                                      | A<br>Idle %<br>94.57  | Av %  | FU /<br>EHRM<br>0.50  |
| #<br>1<br>2                                       | HMK<br>UNIT<br>HMC 1<br>HMC 2                                     | TH<br>(Hour)<br>588.00<br>588.00   | EHRM<br>(Hour)<br>180   | OP<br>(Hour)<br>31.54<br>0.00  | PM<br>(Hour)<br>0.00   | ATA<br>BD Re.<br>(Hour)<br>0.00<br>0.00  | BD Av.<br>(Hour)<br>0.00  | <b>S</b><br>(Hour)<br>0.00<br>0.00   | NB<br>(Hour)<br>0.00<br>0.00                                 | FU<br>(Liter)<br>90.00<br>0.00  | <b>TO</b><br>(Hour)<br>0.00<br>4.00                                  | CAL<br>MTBF  | <b>Re %</b><br>100.00  | <b>D - DAT</b><br><b>Ut %</b><br>100.00<br>99.32                | A<br>Idle %<br>94.57<br>100.00  | Av %<br>100.00  | FU /<br>EHRM<br>0.50<br>0.00  |
| #<br>1<br>2<br>3                                  | HMK<br>UNIT<br>HMC 1<br>HMC 2<br>HMC 3                            | TH<br>(Hour)<br>588.00<br>588.00<br>588.00   | EHRM<br>(Hour)<br>180<br>0                                      | OP<br>(Hour)<br>31.54<br>0.00  | PM<br>(Hour)<br>0.00<br>0.00   | ATA<br>BD Re.<br>(Hour)<br>0.00<br>0.00<br>0.00                                | BD Av.<br>(Hour)<br>0.00<br>0.00<br>0.00  | <b>s</b><br>(Hour)<br>0.00<br>0.00   | NB<br>(Hour)<br>0.00<br>0.00                                 | FU<br>(Liter)<br>90.00<br>0.00  | <b>TO</b><br>(Hour)<br>0.00<br>4.00<br>0.00                          | CAL<br>MTBF<br>0<br>0<br>0   | <b>Re %</b><br>100.00<br>0.00  | D - DATA<br>Ut %<br>100.00<br>99.32<br>100.00                   | A<br>Idle %<br>94.57<br>100.00<br>100.00  | Av %<br>100.00<br>100.00<br>100.00                            | FU /<br>EHRM<br>0.50<br>0.00  |
| #<br>1<br>2<br>3<br>4                             | HMK<br>UNIT<br>HMC 1<br>HMC 2<br>HMC 3<br>HMC 4                   | TH<br>(Hour)<br>588.00<br>588.00<br>588.00<br>588.00   | EHRM<br>(Hour)<br>180<br>0<br>0                                 | OP<br>(Hour)<br>31.54<br>0.00<br>0.00                                  | PM<br>(Hour)<br>0.00<br>0.00<br>0.00   | ATA<br>BD Re.<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00                | BD Av.<br>(Hour)           0.00           0.00           0.00           0.00           0.00   | S<br>(Hour)           0.00           0.00           0.00           0.00           0.00   | NB<br>(Hour)<br>0.00<br>0.00<br>0.00                         | FU<br>(Liter)<br>90.00<br>0.00<br>0.00<br>0.00                                  | <b>TO</b><br>(Hour)<br>0.00<br>4.00<br>0.00                          | CAL<br>MTBF<br>0<br>0<br>0<br>0<br>0                                 | Re %<br>100.00<br>0.00<br>0.00                                       | Ut %<br>100.00<br>99.32<br>100.00                               | A<br>Idle %<br>94.57<br>100.00<br>100.00  | Av %<br>100.00<br>100.00<br>100.00                            | FU /<br>EHRM<br>0.50<br>0.00<br>0.00                                |
| # 1 2 3 4 5                                       | HMK<br>UNIT<br>HMC 1<br>HMC 3<br>HMC 4<br>HMC 5                   | TH<br>(Hour)<br>588.00<br>588.00<br>588.00<br>588.00<br>588.00                                 | EHRM<br>(Hour)<br>180<br>0<br>0<br>0                            | OP<br>(Hour)<br>31.54<br>0.00<br>0.00<br>0.00                          | PM<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00                                     | BD Re.<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00                       | BD Av.<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00  | S<br>(Hour)           0.00           0.00           0.00           0.00           0.00           0.00           0.00   | NB<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00                 | FU<br>(Liter)<br>90.00<br>0.00<br>0.00<br>0.00                                  | TO<br>(Hour)<br>0.00<br>4.00<br>0.00<br>0.00                         | CAL<br>MTBF<br>0<br>0<br>0<br>0<br>0<br>0                            | Re % 100.00 0.00 0.00 0.00   | Ut %<br>100.00<br>99.32<br>100.00<br>100.00                     | A<br>Idle %<br>94.57<br>100.00<br>100.00<br>100.00  | Av %<br>100.00<br>100.00<br>100.00<br>100.00                  | FU /<br>EHRM<br>0.50<br>0.00<br>0.00<br>0.00                        |
| #<br>1<br>2<br>3<br>4<br>5                        | HMK<br>UNIT<br>HMC 1<br>HMC 2<br>HMC 3<br>HMC 4<br>HMC 5          | TH<br>(Hour)<br>588.00<br>588.00<br>588.00<br>588.00<br>588.00<br>588.00                       | EHRM<br>(Hour)<br>180<br>0<br>0<br>0<br>0                       | OP<br>(Hour)<br>31.54<br>0.00<br>0.00<br>0.00<br>0.00                  | PM<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00                             | BD Re.<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00               | BD Av.<br>(Hour)           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00  | <b>S</b><br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00   | NB<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00         | FU<br>(Liter)<br>90.00<br>0.00<br>0.00<br>0.00<br>0.00                          | TO<br>(Hour)<br>0.00<br>4.00<br>0.00<br>0.00<br>0.00                 | CAL<br>MTBF<br>0<br>0<br>0<br>0<br>0                                 | <b>Re %</b> 100.00 0.00 0.00 0.00 0.00 0.00 0.00                     | Ut %<br>100.00<br>99.32<br>100.00<br>100.00<br>100.00           | A<br>Idle %<br>94.57<br>100.00<br>100.00<br>100.00<br>100.00  | Av %<br>100.00<br>100.00<br>100.00<br>100.00                  | FU /<br>EHRM<br>0.50<br>0.00<br>0.00<br>0.00<br>0.00                |
| DA<br>#<br>1<br>2<br>3<br>4<br>5<br>6             | HMK<br>UNIT<br>HMC 1<br>HMC 2<br>HMC 3<br>HMC 4<br>HMC 5<br>HMC 6 | TH<br>(Hour)<br>588.00<br>588.00<br>588.00<br>588.00<br>588.00<br>588.00                       | EHRM<br>(Hour)<br>180<br>0<br>0<br>0<br>0<br>0<br>0             | OP<br>(Hour)<br>31.54<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00          | PUT - D/<br>PM<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00 | BD Re.<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00       | BD Av.<br>(Hour)           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00  | S<br>(Hour)           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00  | NB<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00 | FU<br>(Liter)<br>90.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00                  | TO<br>(Hour)<br>0.00<br>4.00<br>0.00<br>0.00<br>0.00<br>0.00         | CAL<br>MTBF<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0             | <b>Re %</b> 100.00 0.00 0.00 0.00 0.00 0.00 0.00 0                   | Ut %<br>100.00<br>99.32<br>100.00<br>100.00<br>100.00           | A<br>Idle %<br>94.57<br>100.00<br>100.00<br>100.00<br>100.00  | Av %<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00        | FU /<br>EHRM<br>0.50<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00        |
| DA<br>#<br>1<br>2<br>3<br>4<br>5<br>6<br><b>T</b> | HMC 1<br>HMC 2<br>HMC 3<br>HMC 4<br>HMC 5<br>HMC 6<br>DTAL        | TH<br>(Hour)<br>588.00<br>588.00<br>588.00<br>588.00<br>588.00<br>588.00<br>588.00<br>3,528.00 | EHRM<br>(Hour)<br>180<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>180 | OP<br>(Hour)<br>31.54<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>31.54 | PUT - D/<br>PM<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00 | BD Re.<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0. | BD Av.<br>(Hour)           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00 | S<br>(Hour)           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00 | NB<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00 | FU<br>(Liter)<br>90.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>90.00 | TO<br>(Hour)<br>0.00<br>4.00<br>0.00<br>0.00<br>0.00<br>0.00<br>4.00 | CAL<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | <b>Re %</b><br>100.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>100 | Ut %<br>100.00<br>99.32<br>100.00<br>100.00<br>100.00<br>599.32 | Idle %           94.57           100.00           100.00           100.00           100.00           594.57 | Av %<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00<br>600 | FU /<br>EHRM<br>0.50<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.5 |

Gambar 4.19 Halaman Generate Performance Summary

Adapun penjelasan mengenai Halaman *Generate Performance Summary* dapat dilihat pada Tabel 4.19.

| Fungsional   | Menampilkan l   | Halaman Generate Performance Summary             |
|--------------|-----------------|--|
|              | Halaman ini     | berfungsi untuk menampilkan data Performance     |
| Deskripsi    | Summary ber     | dasarkan periode dan fungsi persetujuan oleh     |
|              | operator lapang | gan I  |
|              | Add             | Berfungsi untuk menyimpan hasil generate         |
| Fungsi       |                 | Performance Summary                              |
| Tombol       | Search          | Berfungsi untuk mencari data yang telah          |
|              |                 | diinputkan.                                      |
| Fungei Field | Record per      | Fasilitas untuk baris data yang akan ditampilkan |
| Fungsi Fieta | page            | dari hasil inputan.                              |

 Tabel 4.1 Penjelasan Halaman Generate Performance Summary

k) Halaman Breakdown & Accident Reports

Halaman Breakdown & Accident Reports digunakan untuk menampilkan laporan Breakdown & Accident dalam periode bulanan pada masing-masing alat HMC. Juga terdapat tombol generate untuk melihat laporan berdasarkan periode. Lebih jelasnya dapat dilihat pada Gambar 4.20.

|              |                               |                        |                                   |  |   |   |   |                            | S                                   | 51                      | J                                    | R                      | А                    | В                       | A                                    | 1                              | Α /                                   |  |
|--------------|-------------------------------|------------------------|-----------------------------------|--|---|---|---|----------------------------|-------------------------------------|-------------------------|--------------------------------------|------------------------|----------------------|-------------------------|--------------------------------------|--------------------------------|---------------------------------------|--|
| le           |                               | × 🔀 P                  | erformance S                      | iummary Re   | ×   |   |   |                            |                                     |                         |                                      | -                      |                      |                         |                                      |                                | _                                     | Bobby  |
| C D          | localhos                      | t/hmc/in               | dex.php/si                        | upervisor  | r1/perfor                                     | mance_su                                | mmary   |                            | _                                   |                         |                                      | _                      |                      |                         |                                      |                                |                                       |  |
| J Ternyata   | a Cara Bisni                  | s 强 De                 | oug's 5 Day H                     | ligh 📴   | Tutorial L                                    | angsing C                               | 🍇 Google T  | erjemahan                  |                                     | IK VOKAL                | YAN                                  | 🛛 Yuk, Ba              | ikar Lemak           | le 🚾                    | Cara Jitu J                          | adikan 7 H                     | ł 🖏 Torsi, T                          | enaga dan R  |
| P            | PT. E                         |                        |                                   | N JA   |   | - SUPE                                  |   |                            | ND                                  |                         | ESI                                  |                        | M & REPO             | DRTS -                  | BD &                                 |                                | T REPORTS -                           | ¢  |
|              | DASI                          | BOARD                  | USER                              | DAILT N  | LEFORT  | OFAREFA                                 | RT USED REP   | OKI ¥                      | CORWE                               |                         |                                      | -ERF. 30               | M. & REFU            | JK13 ♥                  | BD. & /                              | ACCIDEN                        | I REPORTS ¥                           | Ŭ  |
|              |                               |                        |                                   |  |   |   |   |                            |                                     |                         |                                      | PERFO                  | RMANCE               | SUMMA                   | ARY REP                              | ORT                            |                                       |  |
|              | Genera                        |                        |                                   |  |   |   |   | _                          |                                     |                         |                                      | PERFUI                 | RMANCE               | : REPOR                 |                                      |                                |                                       |  |
|              |                               | ate Perfor             | mance Sur                         | nmary <u>Re</u>                                    | eport (                                       | Q, Search                               | 📥 Cetak   |                            |                                     |                         |                                      |                        |                      |                         |                                      |                                |                                       |  |
|              |                               | ate Perfor             | mance Sur                         | nmary Re   | eport (                                       | Q Search                                | 📥 Cetak   |                            |                                     |                         |                                      |                        |                      |                         |                                      |                                |                                       |  |
| PE           | RFORM                         | ANCE SUI               | mance Sur                         | nmary Re   | ABLE : RC                                     | Q Search                                | 📥 Cetak   |                            |                                     |                         |                                      |                        |                      |                         |                                      |                                |                                       |  |
| PE           | RFORMA                        | ANCE SU                | mance Sur                         | nmary Re<br>EPORT TA                               | ABLE : RC                                     | Q Search                                | 🖶 Cetak   |                            |                                     |                         |                                      |                        | CA                   | ALCULA                  | TED - DA                             | ATA                            |                                       |  |
| PE           | RFORMA<br>HMK<br>UNIT         | TH<br>(Hour)           | MMARY RE<br>EHRM<br>(Hour)        | PORT TA  | ABLE : RC<br>NPUT - D<br>PM<br>(Hour)         | OWS<br>ATA<br>BD Re.<br>(Hour)          | BD Av.<br>(Hour)  | S<br>(Hour)                | NB<br>(Hour)                        | FU<br>(Liter)           | TO<br>(Hour)                         | MTBF                   | C/<br>Re %           | ALCULA<br>Ut %          | TED - DA                             | ATA<br>Av %                    | FU/EHRM<br>Liter/Hour                 | OPTION   |
| PE<br>#<br>1 | HMK<br>UNIT                   | TH<br>(Hour)<br>588.00 | MMARY RE<br>EHRM<br>(Hour)<br>390 | nmary Re<br>EPORT TA<br>I<br>OP<br>(Hour)<br>22.00 | ABLE : RC<br>NPUT - D<br>PM<br>(Hour)<br>2.00 | ATA<br>BD Re.<br>(Hour)<br>0.00         | BD Av.<br>(Hour)  | <b>S</b><br>(Hour)<br>0.00 | <b>NB</b><br>(Hour)<br>0.00         | FU<br>(Liter)<br>100.00 | <b>TO</b><br>(Hour)<br>0.00          | <b>МТВF</b><br>0       | C/<br>Re %<br>100.00 | Ut %                    | TED - D/<br>Idle %<br>96.26          | ATA<br>Av %<br>100.00          | FU/EHRM<br>Liter/Hour<br>0.26         | OPTION<br>Disapprove<br>Edit<br>Delete                                   |
| #<br>1<br>2  | HMK<br>UNIT<br>HMC 1<br>HMC 2 | TH<br>(Hour)<br>588.00 | EHRM<br>(Hour)<br>390             | PORT TA<br>EPORT TA<br>I<br>OP<br>(Hour)<br>22.00  | ABLE : RC<br>NPUT - D<br>PM<br>(Hour)<br>2.00 | ATA<br>BD Re.<br>(Hour)<br>0.00<br>2.00 | <ul> <li>BD Av.<br/>(Hour)</li> <li>0.00</li> <li>4.00</li> </ul> | <b>S</b><br>(Hour)<br>0.00 | <b>NB</b><br>(Hour)<br>0.00<br>6.00 | FU<br>(Liter)<br>100.00 | <b>TO</b><br>(Hour)<br>0.00<br>10.00 | <b>мтвғ</b><br>0<br>98 | C/<br>Re %<br>100.00 | Ut %<br>100.00<br>98.30 | TED - D/<br>Idle %<br>96.26<br>99.65 | ATA<br>Av %<br>100.00<br>99.32 | EU/EHRM<br>Liter/Hour<br>0.26<br>1.00 | OPTION<br>Disapprove<br>Edit<br>Disapprove<br>Edit<br>Disapprove<br>Edit |

#### Gambar 4.20 Halaman Breakdown & Accident Reports

Adapun penjelasan mengenai Halaman Breakdown & Accident Reports

dapat dilihat pada Tabel 4.20.

| Tabel 4.20 Penjelasan Halaman Breakdown & Accident Re | ports |
|---|-------|
|---|-------|

| Menampilkan Halaman Breakdown & Accident Reports |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
| Halaman ini b                                    | perfungsi untuk menampilkan data Breakdown &   |  |  |  |  |  |
| Accident Repo                                    | rts serta generate Breakdown & Accident Reports  |  |  |  |  |  |
| berdasarkan pe                                   | riode dan fungsi persetujuan oleh operator lapangan  |  |  |  |  |  |
| I  |  |  |  |  |  |  |
| Cetak  | Berfungsi untuk mencetak Breakdown & Accident  |  |  |  |  |  |
|  | Reports  |  |  |  |  |  |
| Search   | Berfungsi untuk mencari data yang telah  |  |  |  |  |  |
|  | diinputkan.  |  |  |  |  |  |
| Record per                                       | Fasilitas untuk baris data yang akan ditampilkan   |  |  |  |  |  |
| page   | dari hasil inputan.  |  |  |  |  |  |
|  | Menampilkan I<br>Halaman ini b<br>Accident Repo<br>berdasarkan per<br>I<br>Cetak<br>Search<br>Record per<br>page |  |  |  |  |  |

## 4.2.3 Pengguna Sebagai Supervisor Peralatan II

Supervisor Peralatan II melakukan evaluasi setelah dilakukannya perhitungan kinerja alat HMC. Adapun tampilan untuk Supervisor Peralatan II dapat dilihat pada detail dibawah ini.

a. Dashboard

*Dashboard* yang difungsikan sebagian halaman evaluasi yang didalamnya berisikan grafik dan notifikasi bahwa laporan kesesuaian target telah di kirim ke Asisten Manajer Peralatan dan Utilisasi. Adapun tampilan *dashboard* Supervisor Peralatan II dapat dilihat pada gambar 4.21.

| Coople         C         Danhbard - supervisor2 ×           ← → C         In localhost/hmc/index.php/supervisor2/dashboard           H Apl → Temyata Cas Bunia.         Y Dougt 5 Day High → Taterial Languing C         Y Google Terjemahan | TBXSK VOKAL VAN. 🔄 Yuk; Bakar Lemak ke. 💼 Cara Jeu/Jadikan 7 H. 🎝 Torsi, Tenga dan R. * |
|--|---|
| PT. BERLIAN JASA TERMINAL IN<br>DASHBOARD INDEX - SUPERVISOR2  | NDONESIA  |
| DASHBOARD USER PERF. SUMMARY KESESUAIAN TARGET   | OLOGOUT   |
| Dashboard<br>Notifikasi  | Deskripsi Kesesualan Target<br>January 2016   |
| SUPERVISOR 2   |   |
| Belum ada entry Kesesuaian Target untuk bulan ini<br>Kilk <b>DISINI</b> untuk GENERATE KESESUAJAN TARGET   |   |
|  |   |
| © 2015 PT. BERLIAN JASA TERMINAL INDONESIA<br>All Rights Reserved  |   |

Gambar 4.21 Halaman Dashboard Supervisor Peralatan II

Adapun penjelasan mengenai halaman *Dashboard* dapat dilihat pada Tabel 4.21.

| Fungsional | Evaluasi Kinerja Alat HMC |   |  |  |  |  |  |
|------------|---------------------------|---|--|--|--|--|--|
| Deckringi  | Pada halaman              | ini dilakukan evaluasi kinerja alat HMC periode |  |  |  |  |  |
| Deskripsi  | bulanan                   |   |  |  |  |  |  |
|            | Notifikasi                | Berfungsi untuk menampilkan halaman yang        |  |  |  |  |  |
|            | INOUIIIKASI               | ditujukan oleh notifikasi tersebut.             |  |  |  |  |  |
| Fungei     | User                      | Berfungsi untuk masuk ke halaman user           |  |  |  |  |  |
| Tombol     | Perf.                     | Berfungsi untuk masuk ke halaman performance    |  |  |  |  |  |
| 1011001    | Summary                   | summary   |  |  |  |  |  |
|            | Kesesuaian                | Berfungsi untuk masuk ke halaman kesesuaian     |  |  |  |  |  |
|            | Target                    | target  |  |  |  |  |  |

 Tabel 4.21. Penjelasan Halaman Dashboard Supervisor Peralatan II

#### b. Performance Summary

Menu ini berfungsi untuk melakukan evaluasi kinerja alat berdasarkan perhitungan yang telah dilakukan, di menu ini hasil perhitungan dapat disesuaikan dengan standart operasional perusahaan. Untuk lebih jelas dapat dilihat pada gambar 4.22.

|               |                |   | ^ <u> </u>                                   | chonnance .                       |  |   |  |                                      |  |  |                                       |   |                       |                       |                         |                                  |                                 |   |  |
|---------------|----------------|---|--|-----------------------------------|--|---|--|--------------------------------------|--|--|---------------------------------------|---|-----------------------|-----------------------|-------------------------|----------------------------------|---------------------------------|---|--|
| 6             | loc            | calhost   | /hmc/in                                      | dex.php/si                        | upervisor  | 2/perfor  | mance_sui  | mmary                                |  |  |                                       |   |                       |                       |                         |                                  |                                 |   |  |
| Ternyata      | ta Ci          | ara Bisni   | s 🔣 D  | oug's 5 Day H                     | ligh 🧧   | Tutorial L  | angsing C  | 🍇 Google T                           | erjemahan  | 🕒 ТЕКМ   | VIK VOKAL                             | YAN 🧧                                       | 🛛 Yuk, Ba             | kar Lemak             | le 🚾                    | Cara Jitu Ji                     | adikan 7 H                      | 🗳 Torsi, T  | enaga dan R  |
| F             | <b>D</b><br>EF | T. E  | <b>BER</b><br>RMANC                          | CLIAI                             | N JA<br>Mary   | <b>SA</b><br>INDEX  | TER<br>- SUPEI   | RVISOR2                              |  | ND   | ON                                    | ESI   | A                     |                       |                         |                                  |                                 |   |  |
|               |                | DASL  |  | LISED                             | DEDE 9   |   | VEGEGI   |                                      | -  |  |                                       |   |                       |                       |                         |                                  |                                 | c   |  |
|               |                | DAG   | BOARD  | OBER                              | TENT: 0  | ONIMPACT  | REDEGO   | AGNITAROLI                           |  |  |                                       |   |                       |                       |                         |                                  |                                 |   | 200001   |
|               |                |   |  |                                   |  |   |  |                                      |  |  |                                       |   |                       |                       |                         |                                  |                                 |   |  |
|               |                |   |  |                                   |  |   |  |                                      |  |  |                                       |   |                       |                       |                         |                                  |                                 |   |  |
|               |                | Cenera  | te Derfor                                    | mance Sur                         | nman/ De   | port (  | ) Search   | - Cetak                              |  |  |                                       |   |                       |                       |                         |                                  |                                 |   |  |
|               | +              | Genera  | ite Perfor                                   | mance Sur                         | nmary Re   | port  | Q Search   | 📥 Cetak                              |  |  |                                       |   |                       |                       |                         |                                  |                                 |   |  |
| PF            | +              | Genera  | ate Perfor                                   | mance Sur                         | nmary Re   | port (  | Q Search   | 📥 Cetak                              |  |  |                                       |   |                       |                       |                         |                                  |                                 |   |  |
| PE            | +              | Genera<br>FORMA   | ate Perfor                                   | mance Sur                         | nmary Re<br>EPORT T#   | port (<br>NBLE : RC   | Q Search   | 📥 Cetak                              |  |  |                                       |   |                       | CA                    | LCULA                   | TED - DA                         | ITA .                           |   |  |
| PE            |                | Genera<br>FORMA<br>HMK<br>UNIT                            | NCE SUI                                      | MMARY RE<br>EHRM<br>(Hour)        | nmary Re<br>EPORT TA<br>II<br>OP<br>(Hour)                               | Port (<br>ABLE : RC<br>NPUT - D<br>PM<br>(Hour)                 | Q Search<br>WS<br>ATA<br>BD Re.<br>(Hour)                | BD Av.<br>(Hour)                     | s<br>(Hour)  | NB<br>(Hour)   | FU<br>(Liter)                         | TO<br>(Hour)                                | MTBF                  | CA<br>Re %            | LCULA                   | TED - DA                         | ATA<br>Av %                     | FU/EHRM<br>Liter/Hour   | OPTION   |
| PE<br>#<br>1  | + C            | Genera<br>FORMA<br>HMK<br>UNIT<br>HMC 1                   | TH<br>(Hour)<br>588.00                       | MMARY RE<br>EHRM<br>(Hour)<br>180 | PORT TA  | Port (<br>NBLE : RC<br>NPUT - D<br>PM<br>(Hour)<br>0.00         | C Search   | BD Av.<br>(Hour)                     | <b>S</b><br>(Hour)<br>0.00   | NB<br>(Hour)<br>0.00   | FU<br>(Liter)<br>90.00                | <b>TO</b><br>(Hour)<br>0.00                 | MTBF<br>0             | CA<br>Re %            | Ut %                    | <b>Idle</b> %<br>94.57           | ATA<br>Av %<br>100.00           | FU/EHRM<br>Liter/Hour<br>0.50   | OPTION   |
| PE            | + I            | Genera<br>FORMA<br>HMK<br>UNIT<br>HMC 1                   | TH<br>(Hour)<br>588.00                       | MMARY RE<br>EHRM<br>(Hour)<br>180 | nmary Re<br>EPORT TA<br>II<br>OP<br>(Hour)<br>31.54                      | port (<br>NBLE : RC<br>NPUT - D<br>PM<br>(Hour)<br>0.00         | ATA<br>BD Re.<br>(Hour)<br>0.00                          | BD Av.<br>(Hour)<br>0.00             | <b>S</b><br>(Hour)<br>0.00   | <b>NB</b><br>(Hour)<br>0.00  | FU<br>(Liter)<br>90.00                | то<br>(Hour)<br>0.00                        | <b>МТВF</b><br>0      | C#<br>Re %<br>100.00  | Ut %                    | <b>Idle %</b><br>94.57           | ATA<br>Av %<br>100.00           | FU/EHRM<br>Liter/Hour<br>0.50   | OPTION<br>Disapprove<br>Edit<br>Delete                                 |
| PE<br>#<br>1  |                | Genera<br>FORMA<br>HMK<br>UNIT<br>HMC 1<br>HMC 2          | TH         H           588.00         588.00 | MMARY RE<br>EHRM<br>(Hour)<br>180 | INMARY RE  | port ABLE : RC<br>NPUT - D<br>PM<br>(Hour)<br>0.00              | A Search<br>WS<br>ATA<br>BD Re.<br>(Hour)<br>0.00        | Cetak     BD Av.     (Hour)     0.00 | <b>S</b><br>(Hour)<br>0.00<br>0.00                                       | NB<br>(Hour)<br>0.00<br>0.00   | FU<br>(Liter)<br>90.00                | <b>TO</b><br>(Hour)<br>0.00<br>4.00         | <b>мтвғ</b><br>0      | CA<br>Re %<br>100.00  | Ut %<br>100.00<br>99.32 | <b>Idle %</b><br>94.57           | <b>Av %</b><br>100.00           | FU/EHRM<br>Liter/Hour<br>0.50<br>0.00                                     | OPTION<br>Disapprove<br>Edit<br>Delete<br>Disapprove                   |
| PE<br>#<br>1  | + C            | Genera<br>FORMA<br>HMK<br>UNIT<br>HMC 1                   | TH<br>(Hour)<br>588.00                       | MMARY RE<br>EHRM<br>(Hour)<br>180 | PORT TA  | port (<br>NBLE : RC<br>NPUT - D<br>PM<br>(Hour)<br>0.00         | Search<br>SWS<br>ATA<br>BD Re.<br>(Hour)<br>0.00<br>0.00 | Cetak                                | <b>S</b><br>(Hour)<br>0.00   | NB<br>(Hour)<br>0.00   | FU<br>(Liter)<br>90.00                | <b>TO</b><br>(Hour)<br>0.00<br>4.00         | <b>МТВF</b><br>0      | CA<br>Re %<br>100.00  | Ut %<br>100.00<br>99.32 | <b>Idle %</b><br>94.57           | ATA<br>Av %<br>100.00           | FU/EHRM<br>Liter/Hour<br>0.50<br>0.00                                     | OPTION<br>Disapprove<br>Edit<br>Delete<br>Edit<br>Delete               |
| PEE # 1 1 2 3 |                | Genera<br>FORMA<br>HMK<br>UNIT<br>HMC 1<br>HMC 2<br>HMC 3 | TH<br>(Hour)<br>588.00<br>588.00             | EHRM<br>(Hour)<br>180<br>0        | OP         OP           (Hour)         31.54           0.00         0.00 | port (<br>ABLE : RC<br>NPUT - D<br>PM<br>(Hour)<br>0.00<br>0.00 | BD Re.<br>(Hour)           0.00           0.00           | Cetak                                | S         (Hour)           0.00         0.00           0.00         0.00 | NB<br>(Hour)           0.00           0.00           0.00           0.00 | <b>FU</b><br>(Liter)<br>90.00<br>0.00 | <b>TO</b><br>(Hour)<br>0.00<br>4.00<br>0.00 | <b>мтвғ</b><br>0<br>0 | <b>Re %</b><br>100.00 | Ut %<br>100.00<br>99.32 | <b>Idle %</b><br>94.57<br>100.00 | <b>Av %</b><br>100.00<br>100.00 | FU/EHRM           Liter/Hour           0.50           0.00           0.00 | OPTION<br>Disapprove<br>Edit<br>Delete<br>Edit<br>Delete<br>Disapprove |

Gambar 4.22 Halaman Performance Summary

Adapun penjelasan mengenai halaman *Performance Summary* dapat ihat pada Tabel 4.22

dilihat pada Tabel 4.22.

 Tabel 4.22 Penjelasan Halaman Performance Summary

| <b>Fungsional</b> | Evaluasi Kiner  | j <mark>a Al</mark> at                           |
|-------------------|-----------------|--|
| Deckringi         | Pada halaman    | ini melakukan evaluasi sesuai dengan standart    |
| Deskripsi         | operasional per | rusahaan   |
| Fungsi            | Evoluosi        | Berfungsi untuk melakukan evaluasi berdasarkan   |
| Tombol            | Evaluasi        | standart operasional perusahaan                  |
| Fungsi            | Record per      | Fasilitas untuk baris data yang akan ditampilkan |
| Field             | page            | pada tabel.                                      |

### c. Halaman Kesesuaian Target

Menu ini berfungsi untuk merekap hasil perhitungan operasional alat per bulan yang dilakukan setelah proses evaluasi,. Untuk lebih jelasnya dapat dilihat pada gambar 4.23.

|   | ×   | Kesesuaian Tar   | get Report ×  |   |   |   | (  |
|---|---|--|---|---|---|---|--|
| 🗋 lo                                    | calhost/hmc/                                      | /index.php/su  | pervisor2/kesesuaian_tar  | get   |   |   |  |
| nyata                                   | Cara Bisnis 🦉                                     | Doug's 5 Day H   | igh 🛛 📧 Tutorial Langsing C   | 🝇 Google Terjemahan 🕒                             | TEKNIK VOKAL YAN 🥶 Yuk  | , Bakar Lemak le 🤕 Cara Jitu Jac                                      | dikan 7 H 🖇 Torsi, Tenaga dan R  |
| P<br>KE                                 | T. BE   | RLIAN<br>N TARGET  | N JASA TEI  | RMINAL IN<br>50R2                                 | DONESIA   |   |  |
|   | DASHBOARI   | D USER   | PERF. SUMMARY KESES   | SUAIAN TARGET                                     |   |   | (U LOGOUT  |
|   |   |  |   |   |   |   |  |
| +                                       | Generate Kes                                      | sesuaian Targ  | et Report Q Search  | 🚔 Cetak 🛛 🚔 Chart UTI A                           | AVA 📕 📥 Chart UTI REL   |   |  |
| +<br>KES                                | Generate Kes                                      | sesuaian Targo<br>RGET REPORT  | et Report Q Search  | 🚔 Cetak 🛛 🚔 Chart UTI A                           | AVA A Chart UTI REL   | )   |  |
| +<br>KES                                | Generate Kes<br>SESUAIAN TAR<br>HMK Unit          | sesuaian Targ<br>RGET REPORT   | et Report Q Search  | Cetak Chart UTI A Cetak Desc Reliability Time (%) | AVA A Chart UTI REL   | Crane Operation Hour  | Option   |
| +<br>KES<br>#                           | Generate Kes<br>SESUAIAN TAR<br>HMK Unit<br>HMC 1 | RGET REPORT  | et Report Q Search  | Cetak Chart UTI A                                 | ription<br>Utilization Time (%)<br>100.00   | Crane Operation Hour<br>31.54   | Option<br>Disapprove Edit Delete   |
| +<br>KES<br>#<br>1<br>2                 | HMK Unit<br>HMC 1<br>HMC 2                        | RGET REPORT<br>Month<br>Feb 2015<br>Feb 2015   | et Report Q Search<br>T TABLE : ROWS<br>Availability Time (%)<br>100.00 <   | Cetak Chart UTI A                                 | ription<br>Utilization Time (%)<br>99.32  | Crane Operation Hour<br>31.54<br>0.00                                 | Option<br>Disapprove Edit Delete<br>Disapprove Edit Delete   |
| +<br>KES<br>#<br>1<br>2<br>3            | HMC 1<br>HMC 3                                    | Month<br>Feb 2015<br>Feb 2015<br>Feb 2015  | et Report Q Search<br>T TABLE : ROWS<br>Availability Time (%)<br>100.00 ✓<br>100.00 ✓                                     |   |   | Crane Operation Hour<br>31.54<br>0.00<br>0.00                         | Option<br>Disapprove Edit Delete<br>Disapprove Edit Delete<br>Disapprove Edit Delete   |
| +<br>KESS<br>#<br>1<br>2<br>3<br>4      | HMK Unit<br>HMC 1<br>HMC 2<br>HMC 3<br>HMC 4      | Month<br>Feb 2015<br>Feb 2015<br>Feb 2015<br>Feb 2015  | et Report Q Search T TABLE : ROWS Availability Time (%) 100.00 ✓ 100.00 ✓ 100.00 ✓ 100.00 ✓                               |   | Chart UTI REL           ription           Utilization Time (%)           100.00           99.32           100.00           100.00           100.00                                  | Crane Operation Hour<br>31.54<br>0.00<br>0.00<br>0.00                 | Option<br>Disapprove Edit Delete<br>Disapprove Edit Delete<br>Disapprove Edit Delete<br>Approve Edit Delete                        |
| +<br>KESS<br>#<br>1<br>2<br>3<br>4<br>5 | HMK Unit<br>HMC 1<br>HMC 3<br>HMC 5               | RGET REPORT<br>Month<br>Feb 2015<br>Feb 2015<br>Feb 2015<br>Feb 2015<br>Feb 2015<br>Feb 2015 | et Report Q Search<br>T TABLE : ROWS<br>Availability Time (%)<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00 |   | Chart UTI REL           ription           Utilization Time (%)           100.00           9.32           100.00           100.00           100.00           100.00           100.00 | Crane Operation Hour<br>31.54<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00 | Option<br>Disapprove Edit Delete<br>Disapprove Edit Delete<br>Disapprove Edit Delete<br>Approve Edit Delete<br>Approve Edit Delete |

## Gambar 4.23 Halaman Kesesuaian Target

Adapun penjelasan mengenai halaman Kesesuaian Target dapat dilihat

## pada Tabel 4.23.

## Tabel 4.23 Penjelasan Halaman Kesesuaian Target

| Fungsional | Rekap hasil eva  | aluasi kinerja alat                                    |  |  |  |  |  |
|------------|--|--|--|--|--|--|--|
| Deskripsi  | Pada halaman ini dilakukan rekap hasil evaluasi setiap bulannya. |  |  |  |  |  |  |
|            | Ganarata   | Berfungsi untuk menampilkan data yang akan             |  |  |  |  |  |
|            | Generate   | dijadikan laporan.                                     |  |  |  |  |  |
|            |  | Berfungsi untuk melakukan proses menampilkan           |  |  |  |  |  |
|            | Print  | laporan per bulan, cetak dokumen dan mengirim          |  |  |  |  |  |
| Fungsi     |  | notifikasi ke asisten manajer peralatan dan utilisasi. |  |  |  |  |  |
| Tombol     | Cetak  | Berfungsi untuk mencetak laporan                       |  |  |  |  |  |
|            | Chart Uti  | Berfungsi untuk menampilkan chart utilization dan      |  |  |  |  |  |
|            | Ava  | availability   |  |  |  |  |  |
|            | Chart Liti Dal   | Berfungsi untuk menampilkan chart utilization dan      |  |  |  |  |  |
|            | Chart Ou Kei   | reliability  |  |  |  |  |  |
| Fungsi     | Record per   | Fasilitas untuk baris data yang akan ditampilkan       |  |  |  |  |  |
| Field      | page   | pada tabel.  |  |  |  |  |  |

#### 4.2.4 Pengguna Sebagai Asisten Manajer Peralatan dan Utilisasi

Asisten Manajer Peralatan dan Utilisasi melakukan pengecekan laporan yang terkait yang telah dikirim oleh Supervisor Peralatan I dan Supervisor Peralatan II, halaman berikut ini hanya bisa diakses oleh pengguna yang memiliki otorisasi melakukan persetujuan terkait. Tampilan halaman *dashboard* dapat diihat pada Gambar 4.24.



Gambar 4.24 Halaman Dashboard Asisten Manajer Peralatan dan Utilisasi SURABAYA

Adapun penjelasan mengenai Halaman dashboard yang dilakukan oleh

Asisten Manajer Peralatan dan Utilisasi dapat dilihat pada Tabel 4.24.

| Fungsional | Pemilihan men | u   |
|------------|---------------|---|
| Deskripsi  | Memilih menu  | yang akan digunakan oleh Asisten Manajer      |
| Fungsi     | User          | Berfungsi untuk edit data user                |
| Tombol     | Daily Report  | Berfungsi untuk masuk ke halaman daily report |

 Tabel 4.24 Penjelasan Halaman Dashboard Asman

| Fungsional | Pemilihan men | u  |
|------------|---------------|--|
|            | Sparepart     | Berfungsi untuk masuk ke halaman spare part used   |
|            | Used Report   | report, terdiri dari sub menu all sparepart used   |
|            |               | report, engine oil used report, hydraulic oil used |
|            |               | report, gearbox oil used report, other sparepart   |
|            |               | used report.                                       |
|            | EHRM Box      | Berfungsi untuk masuk ke halaman EHRM Box &        |
|            | & Fuel        | Fuel, terdiri dari EHRM & Box Report dan EHRM      |
|            |               | & Fuel Report                                      |
|            | Performance   | Berfungsi untuk masuk ke halaman Performance       |
|            | Report        | Report   |
|            | Performance   | Berfungsi untuk masuk ke halaman Performance       |
|            | Summary       | Summary  |
|            | Kesesuaian    | Berfungsi untuk masuk ke halaman kesesuaian        |
|            | Target        | target   |
|            | Logout        | Keluar dari hak akses                              |

b) Halaman Index Daily Report

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Berikut adalah halaman persetujuan untuk menampilkan data hasil generate daily report oleh Asisten Manajer Peralatan dan Utilisasi. Lebih jelasnya dapat dilihat pada Gambar 4.25.

| 0 10             | calhost/hmc/index.php/i   | manager/daily_n                                      | eport/        | add    |            |                          |                  |                      |                       | _                      |                  |                     |            |        |       | _/     | \   |           | 2.           |             | Δ            | V /              |
|------------------|---|--|---------------|--------|------------|--------------------------|------------------|----------------------|-----------------------|------------------------|------------------|---------------------|------------|--------|-------|--------|-----|-----------|--------------|-------------|--------------|------------------|
| nyata C          | lara Bisnis 🔛 Doug's 5 Day  | High 💽 Tutori  | l Langs       | ing C. | - 23       | Google                   | erjemal          | han (                | TEON                  | IK VOR                 | KAL YA           | N                   | x Yuk      | Bakarl | Lomai | kle_   | Ca  | a litu Ji | idikan 7     | H_ 1        | > Torsi, Ten | aga dan R.,      |
|                  | T. BERLIA   | N JASA<br>- MANAGER                                  | N T           | E      | RM         | 1IN                      | AL               | IN                   | D                     | 10                     | NE               | S                   | A          |        |       |        |     |           |              |             |              |                  |
|                  | DASHBOARD USER  | DAILY REPORT   | SF            | AREP   | ARTU       | SED REI                  | PORT -           | 6                    | HRMB                  | OX & F                 | FUEL             | -                   | PERF.      | SUM &  | REPO  | ORTS + | 1   | ES. TA    | RGET         | st          | ANDART OP    | o                |
|                  |   |  |               |        |            |                          |                  |                      |                       |                        |                  |                     |            |        |       |        |     |           |              |             |              |                  |
|                  | Mulai Tanggal   | 02/01/2015   |               |        |            | Sar                      | npai Ta          | angga                | 4                     | 02/2                   | 28/20            | 15                  |            |        |       |        |     |           |              |             |              |                  |
| 28 D<br>GEN      | Mulai Tanggal<br>AYS<br>RERATED DAILY REPORT  | 02/01/2015<br>TABLE : 168 ROV                        | /5            |        |            | Sar                      | npai Ti          | angga                | 1                     | 02/2                   | 28/20            | 15                  |            |        |       |        |     |           |              | 🕇 Ge        | nerate       | X Cancel         |
| 28 D<br>GEN      | Mulai Tanggal<br>AYS<br>BERATED DAILY REPORT  | 02/01/2015<br>TABLE : 168 ROV                        | 15            |        | SI         | Sar<br>HIFT I            | npai Ta          | angga                | 1                     | 02/2                   | 28/20            | 15<br>SHIFT         | ·II        |        |       |        |     | SHIFT     |              | t Ge        | nerate       | X Cancel         |
| 28 D<br>GEN      | Mulai Tanggal<br>AYS<br>BERATED DAILY REPORT<br>HMK Unit / Terminal                       | 02/01/2015<br>TABLE : 168 ROV<br>Date                | /S<br>8       | 9 1    | SI<br>0 11 | Sar<br>HIFT I<br>12      | npai Ti<br>13 14 | angg:<br>4 15        | 1                     | 02/2                   | 18               | 15<br>SHIFT<br>19 2 | II<br>0 21 | 22     | 23    | 24     | 1 2 | SHIF1     | r III<br>4 5 | + Ge        | erate        | X Cancel<br>Note |
| 28 D<br>GEN      | Mulai Tanggal<br>AYS<br>ERATED DAILY REPORT<br>HMK Unit / Terminal                        | 02/01/2015<br>TABLE : 168 ROV<br>Date                | 8             | 9 1    | SI<br>0 11 | Sar<br>HIFT I<br>12      | npai T:<br>13 14 | angg:<br>4 15<br>01/ | 16<br>Feb/2           | 02/2<br>17<br>015      | 18               | 15<br>SHIFT<br>19 2 | II<br>0 21 | 22     | 23    | 24     | 1 2 | SHIF1     | r III<br>4 5 | <b>+</b> Ge | nerate       | X Cancel         |
| 28 D<br>GEN<br># | Mulai Tanggal<br>AYS<br>ERATED DAILY REPORT<br>HMK Unit / Terminal<br>HMC 1<br>TERMINAL A | 02/01/2015<br>TABLE : 168 ROV<br>Date<br>01/Feb/2015 | /S<br>8<br>0. | 9 1    | si<br>0 11 | Sar<br>HIFT I<br>12<br>O | npai Ta<br>13 14 | 4 15<br>01/          | 1<br>16<br>Feb/2<br>0 | 02/2<br>17<br>015<br>0 | 28/20<br>18<br>0 | 15<br>SHIFT<br>19 2 | II<br>0 21 | 22     | 23    | 24     | 1 2 | SHIF1     | r III<br>4 5 | + Ge<br>6   | r EHRM       | K Cancel<br>Note |

Gambar 4.25 Halaman Index Daily Report Asman Manajer Peralatan dan

Utilisasi

Adapun penjelasan mengenai Halaman *Index Daily Report* dapat dilihat pada Tabel 4.25.

 Tabel 4.25 Penjelasan Halaman Index Daily Report Asman Manajer Peralatan

| Fungsional    | Halaman index    |  |
|---------------|------------------|--|
| Deskrinsi     | Halaman ini b    | verfungsi untuk menampilkan data hasil generate  |
| Deskripsi     | daily report ole | ch operator lapangan I                           |
|               | Detail           | Berfungsi untuk memamparkan detail dari          |
| Fungsi        |                  | pelaporan daily report                           |
| Tombol        | Search           | Berfungsi untuk mencari data yang telah          |
|               |                  | diinputkan.                                      |
| Europi Field  | Record per       | Fasilitas untuk baris data yang akan ditampilkan |
| Fullgsi Field | page             | dari hasil inputan.                              |

| dan | Uti | lisasi |
|-----|-----|--------|
| uun | ou  | insubi |

d) Halaman Sparepart Used

## **INSTITUT BISNIS**

Halaman Sparepart Used digunakan oleh asisten manajer peralatan dan utilisasi untuk persetujuan penggantian alat. Pada sub menu *all sparepart used* digunakan untuk menampilkan secara keseluruhan *list* penggantian alat, serta data *sparepart* untuk *support* pergantian alat. Lebih jelasnya dapat dilihat pada Gambar 4.26.

| Jsed R                            | leport - m ×  |  |  |   |  |                               |  |  | ворру    |
|-----------------------------------|---|--|--|---|--|-------------------------------|--|--|----------|
| 🗋 lo                              | ocalhost/hmc/index.php/ma   | nager/sparepart_used   |  |   |  |                               |  |  |          |
| nyata (                           | Cara Bisnis 🔣 Doug's 5 Day Hig  | gh 🧧 Tutorial Langsing C   | 🖏 Google Terjemahan  | TEKNIK VOKAL YA                         | iN 🚾 Yuk, Baki   | ar Lemak Ie                   | 📧 Cara Jitu Jadikan 7 I                                      | H 🗱 Torsi, Tena  | ga dan R |
| P                                 | T. BERLIAN  | I JASA TER<br>Dex - Manager  | MINAL II   | NDONE                                   | SIA  |                               |  |  |          |
|                                   |   |  |  |   | DEDE SUM   | * DEBORTS                     | KER TARGET   | STANDART OR  | ۵        |
|                                   | DASHBOARD USER  | DAILT REPORT SPAREFAR  | (103ED REPORT ¥  | ERRIN BOX & FUEL                        | <ul> <li>FERF. SUM</li> </ul>  | I & REFURIS ¥                 | KES. TARGET  | STANDART OF  | Ŭ        |
| ٩                                 | Search 🛛 📥 Cetak  |  |  |   |  |                               |  |  |          |
| Q<br>SPA                          | L Search Arepart USED TABLE : ROV   | VS<br>Created / By   | Sį   | parepart                                | Quantity   | Note                          |  | OPTION   |          |
| Q<br>SPA<br>#<br>1                | L Search Cetak<br>AREPART USED TABLE : ROV<br>HMK Unit / Terminal<br>HMC 2<br>TERMINAL B  | VS<br>Created / By<br>09 FEB 2015 05:07:00<br>Administrator  | SI<br>OTHER SPAR   | parepart<br>REPART 1                    | Quantity<br>10 pc  | Note                          | Approve  | OPTION   |          |
| Q<br>SPA<br>#<br>1<br>2           | L Search Cetak<br>REPART USED TABLE : ROV<br>HMK Unit / Terminal<br>HMC 2<br>TERMINAL B<br>HMC 1<br>TERMINAL A  | Created / By           09 FEB 2015 05:07:00           Administrator           08 FEB 2015 10:15:00           Administrator   | OTHER SPAF   | REPART 1                                | Quantity           10 pc           1 pc                                    | Note<br>NOTES                 | Approve Edit   | OPTION<br>Delete<br>dit Delete                             |          |
| Q<br>SPA<br>#<br>1<br>2<br>3      | L Search Cetak<br>REPART USED TABLE : ROV<br>HMK Unit / Terminal<br>HMC 2<br>TERMINAL B<br>HMC 1<br>TERMINAL A<br>HMC 1<br>TERMINAL A                       | Created / By           09 FEB 2015 05:07:00           Administrator           08 FEB 2015 10:15:00           Administrator           08 FEB 2015 10:14:00           Administrator  | OTHER SPAF<br>OTHER SPAF<br>OTHER SPAF                               | Darepart<br>REPART 1<br>REPART 1<br>OIL | Quantity           10 pc           1 pc           100 ltr                  | Notes<br>NOTES                | Approve Edit<br>Disapprove E<br>Disapprove E                 | OPTION<br>Delete<br>dtt Delete                             |          |
| Q<br>SPA<br>#<br>1<br>2<br>3<br>4 | Esearch Cetak<br>REPART USED TABLE : ROV<br>HMK Unit / Terminal<br>HMC 2<br>TERMINAL B<br>HMC 1<br>TERMINAL A<br>HMC 1<br>TERMINAL A<br>HMC 1<br>TERMINAL A | Created / By           09 FEB 2015 05:07:00           Administrator           08 FEB 2015 10:16:00           Administrator           08 FEB 2015 10:14:00           Administrator           07 FEB 2015 11:50:00           Administrator | SI OTHER SPAF<br>OTHER SPAF<br>OTHER SPAF<br>HYDRAULIC<br>GEARBOX OI | REPART 1<br>OIL                         | Quantity           10 pc           1 pc           100 ltr           10 ltr | Note<br>Notes<br>Notes<br>ASD | Approve Edit<br>Disapprove E<br>Disapprove E<br>Disapprove E | OPTION<br>Delete<br>dit Delete<br>dit Delete<br>dit Delete |          |

Gambar 4.26 Halaman Sparepart Used

Adapun penjelasan mengenai Halaman Sparepart Used dapat dilihat

## pada Tabel 4.26.

## Tabel 4.26 Penjelasan Halaman Sparepart Used

| Fungsional   | Input data Span                       | repart Used                                      |  |  |  |  |
|--------------|---------------------------------------|--|--|--|--|--|
| Deckringi    | Halaman ini b                         | perfungsi untuk menampilkan data hasil generate  |  |  |  |  |
| Deskripsi    | daily report oleh operator lapangan I |  |  |  |  |  |
|              | Approve                               | Dokumen disetujui A B A Y A                      |  |  |  |  |
| Fungsi       | Not Approve                           | Dokumen tidak disetujui                          |  |  |  |  |
| Tombol       | Search                                | Berfungsi untuk mencari data yang telah          |  |  |  |  |
|              |                                       | diinputkan.                                      |  |  |  |  |
| Fungei Field | Record per                            | Fasilitas untuk baris data yang akan ditampilkan |  |  |  |  |
| rungsi Field | page                                  | dari hasil inputan.                              |  |  |  |  |

#### e) Halaman Sub Menu EHRM & Fuel

Halaman Sub Menu *EHRM & Fuel Report* digunakan untuk menampilkan secara keseluruhan detail *Fuel Consumption* yang telah diinputkan dan jumlah *EHRM* pada HMC saat pengisian *fuel*. Kemudian dilakukan

persetujuan oleh Asisten Manajer Peralatan dan Utilisasi, Lebih jelasnya dapat dilihat pada Gambar 4.27.

| localhost/hmc/i  |   |                           |          |                 |                |                           |                         |                |  |             |           |          |            | Bobby                            |
|--|---|---------------------------|----------|-----------------|----------------|---------------------------|-------------------------|----------------|--|-------------|-----------|----------|------------|----------------------------------|
|  | ndex.php/manager/ehrm                   | _box_repo                 | ort      |                 |                | _                         |                         |                | _  |             |           | _        |            |                                  |
| arnyata Cara Bisnis  🔣 I   | Doug's 5 Day High 🗔 Tuto                | rial Langsing             | C 🥈      | 3 Google T      | erjemaha       | an 🕒 TER                  | (NIK VOK                | AL YAN         | 📧 Yuk  | ; Bakar Len | nak le    | 🚾 Cara J | itu Jadika | n 7 H 👺 Torsi, Tenaga dan R      |
| PT BE  | RI IAN JAS                              |                           | FRI      | MIN             |                | INF                       | າດເ                     |                | AIS  |             |           |          |            |                                  |
| EHRM BOX F   | REPORT INDEX - M                        | ANAGE                     | R        |                 |                |                           |                         |                | <i>,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |             |           |          |            |                                  |
|  |   |                           |          |                 |                |                           |                         |                |  |             |           |          |            |                                  |
| DASHBOARD  | D USER DAILY REPO                       | RT SPA                    | REPART   | USED RE         | PORT +         | EHRI                      | VI BOX &                | FUEL 👻         | PERF   | F. SUM & R  | EPORTS    | · ▼ KE   | ES. TARC   | iet standart op 😃                |
|  |   |                           |          |                 |                |                           |                         |                |  |             |           |          |            |                                  |
| + Generate EH  | RM & Box Report Q Se                    | arch 🗧                    | Cetak    |                 |                |                           |                         |                |  |             |           |          |            |                                  |
|  |   |                           |          |                 |                |                           |                         |                |  |             |           |          |            |                                  |
| EHRM & BOX REP   | PORT TABLE : ROWS                       |                           |          |                 |                |                           |                         |                |  |             |           |          |            |                                  |
| # Date   | Created / By                            | EHRM                      | BOX      | EHRM            | BOX            | EHRM                      | BOX                     | EHRM           | BOX  | EHRM        | вох       | EHRM     | вох        | Option                           |
| 1 31/JAN/2015  | 09 FEB 2015 03:23:31<br>Administrator   | 390                       | 110      | 10              | 10             | 0                         | 0                       | 0              | 0  | 0           | 0         | 0        | 0          | Disapprove Edit Delete           |
|  | Administrator                           |                           |          |                 |                |                           |                         |                |  |             |           |          |            |                                  |
| 2 01/FEB/2015  | 09 FEB 2015 03:23:31                    | 0                         | 0        | 0               | 0              | 0                         | 0                       | 0              | 0  | 0           | 0         | 0        | 0          | Disapprove Edit Delete           |
| 2 01/FEB/2015  | 09 FEB 2015 03:23:31<br>Administrator   | ONESIA                    | 0        | 0               | 0              | 0                         | 0                       | 0              | 0  | 0           | 0         | 0        | 0          | Disapprove Edit Delete           |
| 2 01/FB/2015<br>© 2015 PT. BERLL<br>Al Rights Reserved               | 09 FEB 2015 03:23:31<br>Administrator   | o<br>Nesia<br>nu E        | °<br>EHI | °<br>RM         | °              | °<br>Fue                  | 。<br>l R                | °<br>epo       | ort  | °<br>Si     | o         | °        | ana        | Deseperave Edt Delette<br>BISNIA |
| 2 01/FB/2015<br>© 2015 PT. BERLL<br>All Rights Reserved              | 09 FEB 2015 03:22:31<br>Administrator   | o<br>Nesia<br>nu <i>E</i> | °<br>EHI | °               | ٥<br>هر .<br>ا | °<br><i>Fue</i><br>Utili  | o<br>l R<br>isas        | °<br>epo<br>si | o<br>ort                                     | °<br>Asis   | o         | °<br>n M | ana        | ajer Peralatar                   |
| 2 01/FEB/2015<br>© 2015 PT. BERLL<br>All Rights Reserved<br>mbar 4.2 | 09 FEB 2015 03:23:31<br>Administrator   | nu E                      | °        | •<br>R <i>M</i> | ٥<br>هر .<br>٦ | •<br><i>Fue</i><br>Utili  | °<br><i>l R</i><br>isas | o<br>epo<br>si | o<br>ort                                     | °<br>Asis   | o         | °        | °          | ajer Peralatar                   |
| 2 01/FEB/2015<br>© 2015 PT. BERLL<br>Al Rights Reserve               | 09 FEB 2015 03:23:31<br>Administrator   | o<br>Nesia                | °        | RM              | ٥<br>هر ا      | 。<br>Fue<br>Utili         | o<br>I R                | °<br>epo       | o<br>ort                                     | °<br>Asis   | o         | °        | ana        | ajer Peralatar                   |
| 2 01/FEB/2015<br>© 2015 PT. BERLL<br>All Rights Reserved<br>mbar 4.2 | an Jasa terminal indo<br>d<br>27 Sub Me | nu E                      | °<br>CHI | °<br>RM         | ه<br>د<br>ر    | °<br>Fue<br>Utili<br>ai S | °<br><i>l R</i><br>isas | epo<br>si      | ort .  | °<br>Asis   | o<br>ster | °<br>n M | °<br>ana   | ajer Peralatar                   |

| Fungsional | Menampilkan     | data EHRM & Fuel                               |
|------------|-----------------|--|
|            | Halaman ini b   | erfungsi untuk menampilkan data EHRM & Fuel    |
| Deskripsi  | Report serta ge | enerate EHRM & Fuel Report berdasarkan periode |
|            | dan persetujuar | n oleh Asisten Manajer Peralatan dan Utilisasi |
|            | Generate        | Berfungsi untuk generate EHRM & Fuel           |
|            | EHRM &          |  |
| Fungsi     | Fuel            |  |
| Tombol     | Approve         | Dokumen telah disetujui                        |
|            | Not Approve     | Dokumen tidak disetujui                        |
|            | Search          | Berfungsi untuk mencari data yang telah        |

| Fungsional   | Menampilkan o | lata EHRM & Fuel                                 |
|--------------|---------------|--|
|              |               | diinputkan.                                      |
| Fungei Field | Record per    | Fasilitas untuk baris data yang akan ditampilkan |
| Fungsi Field | page          | dari hasil inputan.                              |

#### f) Halaman Performance Report

Halaman *Performance Report* digunakan untuk menampilkan secara keseluruhan detail perhitungan kinerja alat HMC per hari dalam periode bulanan pada masing-masing alat HMC. Juga terdapat tombol *generate* untuk melihat laporan berdasarkan periode. Lebih jelasnya dapat dilihat pada Gambar 4.28.



Gambar 4.28 Halaman Performance Report

Adapun penjelasan mengenai Halaman Performance Report dapat dilihat

pada Tabel 4.28.

| Tabel 4.28 Penjelasan Halaman Performance Repo |
|--|
|--|

| Fungsional | Menampilkan data performance report                      |   |
|------------|--|---|
| Deskripsi  | Halaman ini berfungsi untuk menampilkan data Performance | е |

| Fungsional   | Menampilkan data <i>performance report</i>               |  |  |  |  |  |  |  |  |
|--------------|--|--|--|--|--|--|--|--|--|
|              | Report serta   | Performance Report berdasarkan periode dan       |  |  |  |  |  |  |  |
|              | persetujuan oleh Asisten Manajer Peralatan dan Utilisasi |  |  |  |  |  |  |  |  |
|              | Generate   | Berfungsi untuk generate performance report      |  |  |  |  |  |  |  |
|              | Performance  |  |  |  |  |  |  |  |  |
| Eunosi       | Report   |  |  |  |  |  |  |  |  |
| Tombol       | Approve  | Dokumen telah disetujui                          |  |  |  |  |  |  |  |
| 1011001      | Not Approve  | Dokumen tidak disetujui beserta keterangan       |  |  |  |  |  |  |  |
|              | Search   | Berfungsi untuk mencari data yang telah          |  |  |  |  |  |  |  |
|              |  | diinputkan.                                      |  |  |  |  |  |  |  |
| Europi Eigld | Record per   | Fasilitas untuk baris data yang akan ditampilkan |  |  |  |  |  |  |  |
| Fungsi Field | page   | dari hasil inputan.                              |  |  |  |  |  |  |  |

Berikut ini merupakan tampilan dari Laporan *Performance Report*. Lebih jelasnya dapat dilihat pada Gambar 4.29.

| /ata Cara Bisnis.  |  | acaphp/manac  |  | · · · · · · · · · · · · · · · · · · ·   |   |   |  |  |   |   |  |  |
|--|--|---|--|---|---|---|--|--|---|---|--|--|
| DAQUE  |  | loug's 5 Day High   |  | Tutorial Lang   | sing C X  | Google T  | leriemahar   |  |   | Yuk Bakar Lemak le  | Cara litu ladikan 7 H  | Sh Torsi Tenana dan R  |
| DAGHL  | OARD   | USER DA   | ILY REF  | PORT SI   | PAREPARTU   | SED REF   | PORT +   | EHRM BOX 8   | FUEL - P  | ERF. SUM & REPORTS -  | KES. TARGET S  | STANDART OP  |
|  |  |   | -  |   |   |   |  |  |   |   |  |  |
|  | /  |   |  |   |   |   |  |  |   |   |  |  |
| Performa   | nce F  | Report Gen  | erate  | e Form  |   |   |  |  |   |   |  |  |
|  |  |   |  |   |   |   |  |  |   |   |  |  |
| Mulai Tan  | ggal   | 02/01/2015  |  | Sampa   | i Tanggal   | 02/   | 28/2015  |  | HMK Unit  | HMC 1 T   |  |  |
|  |  |   |  |   |   |   |  |  |   |   |  |  |
|  |  |   |  |   |   |   |  |  |   |   | <b>+</b> G   | enerate X Cancel   |
|  |  |   |  |   |   |   |  |  |   |   |  |  |
|  |  |   |  |   |   |   |  |  |   |   |  |  |
| LINE OR MARK   | ICE RE   | PORT TABLE OI   | F : HM   | C 1   |   |   |  |  |   |   |  |  |
| DATE : 02/01   | ICE RE<br>2015 -   | 02/28/2015  | E : HM   | C 1   |   |   |  |  |   |   |  |  |
| DATE : 02/01   | ICE RE<br>2015 -   | PORT TABLE OI<br>02/28/2015   | F : HM   | C 1   | tstage Hour   | rs (TO)   |  | Operating  | Hours (OP)  |   |  |  |
| DATE : 02/01   | Day  | PORT TABLE OI<br>02/28/2015<br>TH per month   | F : HM   | C 1<br>Total Out<br>BD Re   | tstage Hour<br>BD Av  | rs (TO)<br>A  | S (Hrs)  | Operating<br>Plug I (Hrs)  | Hours (OP)<br>Plug II (Hrs)   | Utilization Time(%)   | Reliability Time(%)  | Availability Time(%)   |
| Date<br>01/Feb/2015  | Day<br>Sun   | PORT TABLE OF<br>02/28/2015<br>TH per month<br>21.00  | PM<br>0.00   | C 1<br>Total Out<br>BD Re<br>0.00   | tstage Hour<br>BD Av<br>0.00  | rs (TO)<br>A<br>0.00  | <b>S (Hrs)</b><br>0.00   | Operating<br>Plug I (Hrs)<br>18.00   | Hours (OP)<br>Plug II (Hrs)<br>0.00   | Utilization Time(%)<br>100.00   | Reliability Time(%)<br>100.00  | Availability Time(%)   |
| Date<br>01/Feb/2015<br>02/Feb/2015   | Day<br>Sun<br>Mon  | PORT TABLE OI<br>02/28/2015<br>TH per month<br>21.00<br>21.00   | PM<br>0.00<br>0.00   | Total Out<br>BD Re<br>0.00<br>0.00  | <b>BD Av</b><br>0.00  | rs (TO)<br>A<br>0.00<br>0.00  | <b>S (Hrs)</b><br>0.00<br>0.00   | <b>Operating</b><br><b>Plug I (Hrs)</b><br>18.00<br>0.00   | Hours (OP)<br>Plug II (Hrs)<br>0.00<br>0.00   | Utilization Time(%)<br>100.00<br>100.00   | Reliability Time(%)<br>100.00<br>0.00  | Availability Time(%)<br>100.00<br>100.00   |
| Date<br>01/Feb/2015<br>02/Feb/2015   | Day<br>Day<br>Sun<br>Mon<br>Tue                                    | PORT TABLE OI<br>02/28/2015<br>TH per month<br>21.00<br>21.00<br>21.00  | PM<br>0.00<br>0.00<br>0.00                                       | C 1<br>Total Out<br>BD Re<br>0.00<br>0.00<br>0.00   | <b>BD Av</b><br>0.00<br>0.00<br>0.00  | rs (TO)<br>A<br>0.00<br>0.00<br>0.00                                      | <b>S (Hrs)</b><br>0.00<br>0.00<br>0.00                                       | <b>Operating</b><br><b>Plug I (Hrs)</b><br>18.00<br>0.00<br>0.00   | Hours (OP)<br>Plug II (Hrs)<br>0.00<br>0.00<br>0.00   | Utilization Time(%)<br>100.00<br>100.00<br>100.00   | Reliability Time(%)<br>100.00<br>0.00<br>0.00                                      | Availability Time(%)<br>100.00<br>100.00<br>100.00   |
| Date<br>01/Feb/2015<br>02/Feb/2015<br>03/Feb/2015  | Day<br>Day<br>Sun<br>Mon<br>Tue<br>Wed                             | PORT TABLE OI<br>02/28/2015<br>TH per month<br>21.00<br>21.00<br>21.00<br>21.00                                     | PM<br>0.00<br>0.00<br>0.00<br>0.00                               | C 1<br>Total Out<br>BD Re<br>0.00<br>0.00<br>0.00<br>0.00   | tstage Hour<br>BD Av<br>0.00<br>0.00<br>0.00<br>0.00  | rs (TO)<br>A<br>0.00<br>0.00<br>0.00<br>0.00                              | <b>S (Hrs)</b><br>0.00<br>0.00<br>0.00<br>0.00                               | <b>Operating</b><br><b>Plug I (Hrs)</b><br>18.00<br>0.00<br>0.00<br>0.00   | Hours (OP)<br>Plug II (Hrs)<br>0.00<br>0.00<br>0.00<br>0.00   | Utilization Time(%)<br>100.00<br>100.00<br>100.00<br>100.00                               | Reliability Time(%)<br>100.00<br>0.00<br>0.00<br>0.00                              | Availability Time(%)<br>100.00<br>100.00<br>100.00<br>100.00                               |
| Date<br>01/Feb/2015<br>02/Feb/2015<br>03/Feb/2015<br>04/Feb/2015<br>05/Feb/2015  | Day<br>Day<br>Sun<br>Mon<br>Tue<br>Wed<br>Thu                      | PORT TABLE OI<br>02/28/2015<br>TH per month<br>21.00<br>21.00<br>21.00<br>21.00<br>21.00                            | PM<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00                       | C 1<br>Total Out<br>BD Re<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00                                 | tstage Hour<br>BD Av<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00  | rs (TO)<br>A<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00                      | <b>S (Hrs)</b><br>0.00<br>0.00<br>0.00<br>0.00<br>0.00                       | Operating<br>Plug I (Hrs)<br>18.00<br>0.00<br>0.00<br>0.00<br>0.00   | Hours (OP)<br>Plug II (Hrs)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00   | Utilization Time(%)<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00                     | Reliability Time(%)<br>100.00<br>0.00<br>0.00<br>0.00<br>0.00                      | Availability Time(%)<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00                     |
| Date<br>01/Feb/2015<br>02/Feb/2015<br>03/Feb/2015<br>04/Feb/2015<br>05/Feb/2015<br>06/Feb/2015                               | Day<br>Day<br>Sun<br>Mon<br>Tue<br>Wed<br>Thu<br>Fri               | PORT TABLE OI<br>02/28/2015<br>TH per month<br>21.00<br>21.00<br>21.00<br>21.00<br>21.00<br>21.00<br>21.00          | PM<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00       | C 1<br>Total Out<br>BD Re<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00                                 | tstage Hour<br>BD Av<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00  | rs (TO)<br>A<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00              | <b>S (Hrs)</b><br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00               | Operating<br>Plug I (Hrs)<br>18.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00   | Hours (OP)<br>Plug II (Hrs)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00   | Utilization Time(%)<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00           | Reliability Time(%)<br>100.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00              | Availability Time(%)<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00           |
| Date<br>01/Feb/2015<br>02/Feb/2015<br>03/Feb/2015<br>05/Feb/2015<br>06/Feb/2015<br>07/Feb/2015                               | Day<br>Day<br>Sun<br>Mon<br>Tue<br>Wed<br>Thu<br>Fri<br>Sat        | PORT TABLE OI<br>02/28/2015<br>TH per month<br>21.00<br>21.00<br>21.00<br>21.00<br>21.00<br>21.00<br>21.00          | PM<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00       | C 1<br>Total Out<br>BD Re<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00                         | tstage Hour<br>BD Av<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.  | rs (TO)<br>A<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00      | S (Hrs)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00              | Operating<br>Plug I (Hrs)<br>18.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.0  | Hours (OP)<br>Plug II (Hrs)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.                                   | Utilization Time(%)<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00 | Reliability Time(%)<br>100.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0 | Availability Time(%)<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00 |
| Date<br>01/Feb/2015<br>02/Feb/2015<br>03/Feb/2015<br>03/Feb/2015<br>05/Feb/2015<br>06/Feb/2015<br>06/Feb/2015<br>08/Feb/2015 | Day<br>Day<br>Sun<br>Mon<br>Tue<br>Wed<br>Thu<br>Fri<br>Sat<br>Sun | PORT TABLE OI<br>02/28/2015<br>TH per month<br>21.00<br>21.00<br>21.00<br>21.00<br>21.00<br>21.00<br>21.00<br>21.00 | PM<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0. | C 1<br>Total Out<br>BD Re<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00 | BD Av           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00 | rs (TO)<br>A<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0 | <b>S (Hrs)</b><br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0. | Operating           Plug I (Hrs)           18.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00 | Hours (OP)<br>Plug II (Hrs)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00 | Utilization Time(%)<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00 | Reliability Time(%)<br>100.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0 | Availability Time(%)<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00 |

Gambar 4.29 Halaman Generate Performance Report Asisten Manajer Peralatan

#### dan Utilisasi

## g) Halaman Performance Summary

Halaman *Performance Report* digunakan untuk menampilkan hsail perhitungan kinerja alat HMC dalam periode bulanan pada masing-masing alat HMC. Juga terdapat tombol *generate* untuk melihat laporan berdasarkan periode serta persetujuan laporan oleh asisten manajer peralatan dan utilisasi. Lebih jelasnya dapat dilihat pada Gambar 4.30.

| Performance Su | ummary F   | e ×        |               |          |            |            |             | 100       | -      | -         |        |           |            |        |             |            |            | Bobby          | - 0 |
|----------------|------------|------------|---------------|----------|------------|------------|-------------|-----------|--------|-----------|--------|-----------|------------|--------|-------------|------------|------------|----------------|-----|
| • C 🗋          | localho    | st/hmc/in  | dex.php/m     | nanager/ | performa   | ance_sum   | mary        |           |        |           |        |           |            |        |             |            |            |                |     |
| I 📧 Ternyati   | a Cara Bis | nis 🔣 D    | oug's 5 Day H | ligh 🧧   | Tutorial I | Langsing C | 🍇 Google T  | erjemahan | 🕒 TEKM | JIK VOKAL | YAN    | 🛛 Yuk, Ba | akar Lemak | le 🚾   | Cara Jitu J | adikan 7 H | 🗱 Torsi, T | enaga dan R    |     |
|                |            |            |               |          |            |            |             |           |        |           |        |           |            |        |             |            |            |                |     |
| F              | ΥТ.        | BEF        | RLIAN         | N JA     | ١SA        | TEF        | RMIN        | AL I      | ND     | ON        | ESI    | A         |            |        |             |            |            |                |     |
| PI             | ERFO       | RMANO      | CE SUMI       | MARY     | INDEX      | - MANA     | GER         |           |        |           |        |           |            |        |             |            |            |                |     |
|                |            |            |               |          |            |            |             |           |        |           |        |           |            |        |             |            |            |                |     |
|                | DA         | SHBOARD    | USER          | DAILY R  | EPORT      | SPAREPA    | RT USED REP | ORT +     | EHRM B | IOX & FUE | -<br>- | PERF. SU  | M & REPO   | RTS +  | KES. TA     | RGET       | STANDART   | OP 😃           |     |
|                |            |            |               |          |            |            |             |           |        |           |        |           |            |        |             |            |            |                |     |
|                |            |            |               |          |            |            |             |           |        |           |        |           |            |        |             |            |            |                |     |
|                | - Gene     | rate Perfo | rmance Sur    | nmary Re | port       | Q, Search  | 📥 Cetak     |           |        |           |        |           |            |        |             |            |            |                |     |
|                |            |            |               |          | · .        |            |             |           |        |           |        |           |            |        |             |            |            |                |     |
| PE             | RFORM      | IANCE SU   | MMARY RE      | EPORT TA | ABLE : RO  | ows        |             |           |        |           |        |           |            |        |             |            |            |                |     |
|                |            |            |               | 1        | NPUT - D   | ATA        |             |           |        |           |        |           | CA         | LCULA  | TED - DA    | TA         |            |                |     |
|                | нмк        | TH         | EHRM          | OP       | PM         | BD Re.     | BD Av.      | s         | NB     | FU        | то     |           |            |        |             |            | FU/EHRM    |                |     |
| #              | UNIT       | (Hour)     | (Hour)        | (Hour)   | (Hour)     | (Hour)     | (Hour)      | (Hour)    | (Hour) | (Liter)   | (Hour) | MTBF      | Re %       | Ut %   | idle %      | Av %       | Liter/Hour | OPTION         |     |
| 1              | HMC 1      | 588.00     | 180           | 31.54    | 0.00       | 0.00       | 0.00        | 0.00      | 0.00   | 90.00     | 0.00   | 0         | 100.00     | 100.00 | 94.57       | 100.00     | 0.50       | Disapprove     |     |
|                |            |            |               |          |            |            |             |           |        |           |        |           |            |        |             |            |            | Edit           |     |
| 2              | HMC        | 599.00     | 0             | 0.00     | 0.00       | 0.00       | 0.00        | 0.00      | 0.00   | 0.00      | 4.00   | 0         | 0.00       | 00.32  | 100.00      | 100.00     | 0.00       | Disaparava     |     |
| 2              | TIMO 2     | 500.00     | U U           | 0.00     | 0.00       | 0.00       | 0.00        | 0.00      | 0.00   | 0.00      | 4.00   | 0         | 0.00       | 33.32  | 100.00      | 100.00     | 0.00       | Edit           |     |
|                |            |            |               |          |            | 1          |             |           |        |           |        |           |            |        |             |            |            | Delete         |     |
| 3              | HMC 3      | 588.00     | 0             | 0.00     | 0.00       | 0.00       | 0.00        | 0.00      | 0.00   | 0.00      | 0.00   | 0         | 0.00       | 100.00 | 100.00      | 100.00     | 0.00       | Disapprove     |     |
| 5              |            |            |               |          |            |            |             |           |        |           |        |           |            |        |             |            |            |                |     |
| 5              |            |            |               |          |            |            |             |           |        |           |        |           |            |        |             |            |            | Edit           |     |
|                |            |            |               |          |            |            |             |           |        |           |        |           |            |        |             |            |            | Edit<br>Delete |     |

Gambar 4.30 Halaman Performance Summary Asisten Manajer Peralatan dan

Utilisasi

Adapun penjelasan mengenai Halaman Performance Summary dapat

SURABAYA

dilihat pada Tabel 4.29.

## Tabel 4.29 Penjelasan Halaman Performance Summary

| Fungsional | Menampilkan Halaman Performance Summary |   |  |  |  |  |  |  |  |
|------------|---|---|--|--|--|--|--|--|--|
|            | Halaman ini                             | berfungsi untuk menampilkan data Performance        |  |  |  |  |  |  |  |
| Deskripsi  | Summary sert                            | a generate Performance Summary berdasarkan          |  |  |  |  |  |  |  |
| Deskripsi  | periode dan fui                         | ngsi persetujuan oleh Asisten Manajer Peralatan dan |  |  |  |  |  |  |  |
|            | Utilisasi                               |   |  |  |  |  |  |  |  |
|            | Generate                                | Berfungsi untuk generate Performance Summary        |  |  |  |  |  |  |  |
|            | Performance                             |   |  |  |  |  |  |  |  |
| Fungsi     | Summary                                 |   |  |  |  |  |  |  |  |
| Tombol     | Approve                                 | Dokumen telah disetujui                             |  |  |  |  |  |  |  |
|            | Not Approve                             | Dokumen tidak disetujui beserta keterangan          |  |  |  |  |  |  |  |
|            | Search                                  | Berfungsi untuk mencari data yang telah             |  |  |  |  |  |  |  |

| Fungsional   | Menampilkan | Halaman Performance Summary                      |
|--------------|-------------|--|
|              |             | diinputkan.                                      |
| Fungei Field | Record per  | Fasilitas untuk baris data yang akan ditampilkan |
| Fungsi Fiela | page        | dari hasil inputan.                              |

Berikut ini merupakan tampilan dari *Generate Performance Summary*. Lebih jelasnya dapat dilihat pada Gambar 4.31.

| /ata Cara Bisnis.   | 🔣 Doug   | 's 5 Day High  | 📧 Tutor  | ial Langsing (   | 🗞 Goog   | le Terjemahan 【   | TEKNIK V   | OKAL YAN   | 📧 Yuk, B  | Bakar Lemak I  | e 🚾 (   | Cara Jitu Ja   | dikan 7 H  | . 😂 Tors   | ii, Tenaga  | dan R   |
|---|--|--|--|--|--|---|--|--|---|--|---|--|--|--|---|---|
| Performa  | ince Su  | mmary R  | eport G  | enerate  | Form   |   |  |  |   |  |   |  |  |  |   |   |
| Mulai Tar   | iggal  | 02/01/2015   |  | Sampai Tai   | iggal  | 02/28/2015  |  |  |   |  |   |  |  |  |   |   |
|   |  |  |  |  |  |   |  |  |   |  |   |  | +  | Generate   | <b>x</b> (  | Cancel  |
|   |  |  |  |  |  |   |  |  |   |  |   |  |  | oonoraa  | <u>منا</u>  | ounioor   |
| PERFORMAI<br>DATE: 02/01  | /2015 - 02/  | ARY REPOR<br>28/2015                                       | T TABLE :  | ROWS   |  |   |  |  |   |  |   |  |  |  |   |   |
|   |  |  |  |  |  |   |  |  |   |  |   |  |  |  |   |   |
|   |  |  |  | INPUT - DA   | TA   |   |  |  |   |  | CAL   | CULATE   | D - DAT  | A  |   |   |
| HMK<br># UNIT   | TH<br>(Hour)   | EHRM<br>(Hour)   | OP<br>(Hour)   | PM<br>(Hour)   | BD Re.<br>(Hour)   | BD Av.<br>(Hour)  | S<br>(Hour)  | NB<br>(Hour)   | FU<br>(Liter)   | TO<br>(Hour)   | CAL   | CULATE   | D - DAT  | A<br>Idle %  | Av %  | FU /<br>EHRM  |
| # UNIT<br>1 HMC 1   | TH<br>(Hour)<br>588.00   | EHRM<br>(Hour)<br>180                                      | OP<br>(Hour)<br>31.54  | PM<br>(Hour)   | BD Re.<br>(Hour)   | BD Av.<br>(Hour)  | <b>S</b><br>(Hour)<br>0.00   | NB<br>(Hour)<br>0.00   | FU<br>(Liter)<br>90.00  | <b>TO</b><br>(Hour)<br>0.00  | CAL<br>MTBF   | CULATE<br>Re %<br>100.00   | Ut %   | A<br>Idle %<br>94.57   | <b>Av %</b>   | FU /<br>EHRM<br>0.50  |
| <ul> <li>HMK<br/>UNIT</li> <li>HMC 1</li> <li>HMC 2</li> </ul>  | TH<br>(Hour)<br>588.00<br>588.00   | EHRM<br>(Hour)<br>180<br>0                                 | OP<br>(Hour)<br>31.54<br>0.00  | PM<br>(Hour)<br>0.00   | BD Re.<br>(Hour)<br>0.00<br>0.00   | BD Av.<br>(Hour)<br>0.00<br>0.00  | <b>S</b><br>(Hour)<br>0.00<br>0.00   | NB<br>(Hour)<br>0.00<br>0.00   | FU<br>(Liter)<br>90.00<br>0.00  | TO<br>(Hour)<br>0.00<br>4.00   | CAL<br>MTBF   | <b>Re %</b><br>100.00  | Ut %<br>100.00   | A<br>Idle %<br>94.57<br>100.00                               | Av %<br>100.00<br>100.00                                      | FU /<br>EHRM<br>0.50<br>0.00  |
| HMK<br>UNIT<br>1 HMC 1<br>2 HMC 2<br>3 HMC 3  | TH<br>(Hour)<br>588.00<br>588.00<br>588.00   | EHRM<br>(Hour)<br>180<br>0                                 | OP<br>(Hour)<br>31.54<br>0.00<br>0.00                                  | PM<br>(Hour)<br>0.00<br>0.00<br>0.00                                       | BD Re.<br>(Hour)<br>0.00<br>0.00<br>0.00                                       | BD Av.<br>(Hour)<br>0.00<br>0.00<br>0.00  | S<br>(Hour)           0.00           0.00           0.00   | NB<br>(Hour)<br>0.00<br>0.00   | FU<br>(Liter)<br>90.00<br>0.00<br>0.00                                  | <b>TO</b><br>(Hour)<br>0.00<br>4.00<br>0.00  | CAL<br>MTBF<br>0<br>0<br>0<br>0                               | <b>Re %</b><br>100.00<br>0.00  | Ut %<br>100.00<br>99.32<br>100.00  | A<br>Idle %<br>94.57<br>100.00<br>100.00                     | Av %<br>100.00<br>100.00                                      | FU /<br>EHRM<br>0.50<br>0.00  |
| <ul> <li># HMK<br/>UNIT</li> <li>1 HMC 1</li> <li>2 HMC 2</li> <li>3 HMC 3</li> <li>4 HMC 4</li> </ul>  | TH<br>(Hour)<br>588.00<br>588.00<br>588.00<br>588.00                                 | EHRM<br>(Hour)<br>180<br>0<br>0                            | OP<br>(Hour)<br>31.54<br>0.00<br>0.00<br>0.00                          | PM<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00                               | BD Re.<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00                               | BD Av.<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00  | S<br>(Hour)           0.00           0.00           0.00           0.00           0.00   | NB<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00   | FU<br>(Liter)<br>90.00<br>0.00<br>0.00<br>0.00                          | TO<br>(Hour)           0.00           4.00           0.00           0.00   | CAL<br>MTBF<br>0<br>0<br>0<br>0<br>0                          | <b>Re %</b><br>100.00<br>0.00<br>0.00<br>0.00                        | Ut %<br>100.00<br>99.32<br>100.00<br>100.00  | A<br>Idle %<br>94.57<br>100.00<br>100.00<br>100.00           | Av %<br>100.00<br>100.00<br>100.00<br>100.00                  | FU /<br>EHRM<br>0.50<br>0.00<br>0.00                                |
| <ul> <li># HMK<br/>UNIT</li> <li>1 HMC 1</li> <li>2 HMC 2</li> <li>3 HMC 3</li> <li>4 HMC 4</li> <li>5 HMC 5</li> </ul>                                 | TH<br>(Hour)<br>588.00<br>588.00<br>588.00<br>588.00<br>588.00<br>588.00             | EHRM<br>(Hour)<br>180<br>0<br>0<br>0<br>0                  | OP<br>(Hour)<br>31.54<br>0.00<br>0.00<br>0.00<br>0.00                  | PM<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00                       | BD Re.<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00                       | BD Av.<br>(Hour)           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00  | S<br>(Hour)           0.00           0.00           0.00           0.00           0.00           0.00           0.00   | NB<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00   | FU<br>(Liter)<br>90.00<br>0.00<br>0.00<br>0.00<br>0.00                  | TO<br>(Hour)           0.00           4.00           0.00           0.00           0.00           0.00                               | CAL<br>0<br>0<br>0<br>0<br>0<br>0                             | Re %<br>100.00<br>0.00<br>0.00<br>0.00<br>0.00                       | Ut %<br>100.00<br>99.32<br>100.00<br>100.00  | A<br>94.57<br>100.00<br>100.00<br>100.00                     | Av %<br>100.00<br>100.00<br>100.00<br>100.00                  | FU /<br>EHRM<br>0.50<br>0.00<br>0.00<br>0.00                        |
| <ul> <li># HMK<br/>UNIT</li> <li>1 HMC 1</li> <li>2 HMC 2</li> <li>3 HMC 3</li> <li>4 HMC 4</li> <li>5 HMC 5</li> <li>6 HMC 6</li> </ul>                | TH<br>(Hour)<br>588.00<br>588.00<br>588.00<br>588.00<br>588.00<br>588.00             | EHRM<br>(Hour)<br>180<br>0<br>0<br>0<br>0<br>0             | OP<br>(Hour)<br>31.54<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00          | PM<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00       | BD Re.<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00               | BD Av.<br>(Hour)           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00                | S<br>(Hour)           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00  | NB<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00   | FU<br>(Liter)<br>90.00<br>0.00<br>0.00<br>0.00<br>0.00                  | TO<br>(Hour)           0.00           4.00           0.00           0.00           0.00           0.00           0.00           0.00 | CAL<br>MTBF<br>0<br>0<br>0<br>0<br>0<br>0<br>0                | <b>Re %</b><br>100.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00        | Ut %<br>100.00<br>99.32<br>100.00<br>100.00<br>100.00                                    | A<br>94.57<br>100.00<br>100.00<br>100.00<br>100.00           | Av %<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00        | FU /<br>EHRM<br>0.50<br>0.00<br>0.00<br>0.00<br>0.00                |
| <ul> <li># HMK<br/>UNIT</li> <li>1 HMC 1</li> <li>2 HMC 2</li> <li>3 HMC 3</li> <li>4 HMC 4</li> <li>5 HMC 5</li> <li>6 HMC 6</li> <li>TOTAL</li> </ul> | TH<br>(Hour)<br>588.00<br>588.00<br>588.00<br>588.00<br>588.00<br>588.00<br>3,528.00 | EHRM<br>(Hour)<br>180<br>0<br>0<br>0<br>0<br>0<br>0<br>180 | OP<br>(Hour)<br>31.54<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>31.54 | PM<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0. | BD Re.<br>(Hour)<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0. | BD Av.<br>(Hour)           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00 | S<br>(Hour)           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00 | NB<br>(Hour)           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00           0.00 | FU<br>(Liter)<br>90.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>90.00 | TO<br>(Hour)<br>0.00<br>4.00<br>0.00<br>0.00<br>0.00<br>0.00<br>4.00   | CAL<br>MTBF<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | <b>Re %</b><br>100.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>100 | <b>D - DAT</b><br><b>Ut %</b><br>100.00<br>99.32<br>100.00<br>100.00<br>100.00<br>599.32 | A<br>94.57<br>100.00<br>100.00<br>100.00<br>100.00<br>594.57 | Av %<br>100.00<br>100.00<br>100.00<br>100.00<br>100.00<br>600 | FU /<br>EHRM<br>0.50<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.5 |

Gambar 4.31 Halaman Generate Performance Summary Asisten Manajer

Peralatan dan Utilisasi

Α

## 4.3 Uji Coba Fungsional dan Non-Fungsional 🕞

Pada tahap ini akan dilakukan uji coba terhadap perangkat lunak yang telah dibangun, apakah perangkat lunak tersebut sesuai dengan fungsional dan non-fungsional yang telah dirancang sebelumnya. Pada uji coba fungsional yang dilakukan, ada beberapa tampilan aplikasi yang sama pada saat implementasi, sehingga pada saat uji coba fungsional, penjelasan akan dihubungkan pada tahap implementasi. Dalam artian pada saat melakukan implementasi penulis sekaligus melakukan uji coba fungsional.

## 4.3.1 Uji Fungsional dan Non-Fungsional Operator Lapangan

Mengenai uji fungsional dan non-fungsional pada Operator Lapangan yang lebih detil dapat dilihat pada tabel 4.30.

| Nama Fungsi          | Pencatatan dan Pe       | laporan Harian Operasiona                | al Alat HMC    |
|----------------------|-------------------------|--|----------------|
| Stakeholder          | Operator Lapangan       |  |                |
| Alur Normal          | Aksi Pengguna           | Respon Sistem                            | Hasil          |
|                      | Penguna                 | 1. Sistem melakukan                      | Login Berhasil |
|                      | memasukkan              | pengecekan hak                           |                |
|                      | username dan            | akses pengguna.                          |                |
|                      | password                | 2. Sistem                                |                |
|                      |                         | menampilkan menu                         |                |
|                      |                         | sesuai hak akses                         |                |
|                      |                         | pengguna                                 |                |
|                      | Pengguna                | Sistem menyimpan                         | Input Berhasil |
|                      | melakukan input         | laporan harian                           | (Kembali ke    |
|                      | laporan harian          | operasional alat / serah                 | halaman        |
|                      | serah terima alat       | terima alat                              | sebelumnya)    |
|                      | HMC / serah terima      | INSTITUT                                 | ISNIS          |
| A low A li owned : C | alat                    |  | ATIKA          |
| Alur Alternatii      | Aksi Pengguna           | Respon Sistem                            | Hasii          |
|                      | -                       | -  | -              |
| Alur Eksepsi         | Aksi Pengguna           | Resporn Sistem                           | Hasil          |
|                      | Pengguna salah          | Sistem berhasil                          | Login Gagal    |
|                      | memasukkan              | menampilkan pesan                        |                |
|                      | <i>username</i> ataupun | kesalahan <i>input</i> -an               |                |
|                      | password maupun         | <i>username</i> ataupun                  | A              |
|                      | Kedua-duanya.           | <i>passwora</i> maupun                   |                |
| Kondici Althir       | 1 Sistam barbas         | il mongirim porgotujuon k                | mada           |
| KOHUISI AKIIII       | 1. Sistem bernas        | ni mengirini persetujuan ke<br>roloton I | zpaŭa          |
|                      | 2 Sistem berhas         | il menampilkan data perse                | tuiuan         |
| Kebutuhan            | 2. Sistem bernas        |  | tujuan         |
| Non-                 | Hanva danat diakaa      | alah nangguna yang mam                   | ililii hale    |
| Fungsional           | Hanya dapat diakses     | s olen pengguna yang men                 | шикі пак       |
| i ungsionui          | anses.                  |  |                |
|                      | Correctness             |  |                |
|                      | Interface               |  |                |
|                      | Menu yang tersedia      | dalam bahasa indonesia                   |                |
|                      | Performance             |  |                |
|                      |                         |  |                |
|                      | Operability             |  |                |
|                      | Menu yang digunak       | an sama dengan menu yan                  | g lain         |

**Tabel 4.30** Hasil Uji Fungsional Dan Non-Fungsional Pada Operator Lapangan

| Nama Fungsi | Pencatatan dan Pelaporan Harian Operasional Alat HMC |
|-------------|--|
|             | sehingga<br>mudah untuk dioperasikan                 |

## 4.3.2 Uji Fungsional dan Non-Fungsional Supervisor Peralatan I

Mengenai uji fungsional dan non-fungsional pada Supervisor Peralatan I

yang lebih detil dapat dilihat pada tabel 4.31.

| Nama Fungsi     | Pengawasan d         | dan Kontrol Komponen Al    | at HMC  |
|-----------------|----------------------|----------------------------|---|
| Stakeholder     | Supervisor Peralatan | I                          |   |
|                 | Aksi Pengguna        | Respon Sistem              | Hasil   |
|                 | Penguna              | 1. Sistem melakukan        | Login Berhasil                                      |
|                 | memasukkan           | pengecekan hak             |   |
|                 | username dan         | akses pengguna.            |   |
|                 | password             | 2. Sistem                  |   |
|                 |                      | menampilkan menu           |   |
|                 |                      | sesuai hak akses           | ISNIS   |
| Alur Normal     |                      | pengguna                   | ISNIS   |
|                 | Pengguna             | 1. Sistem                  | Belum ada entry Performance Report untuk hari ini   |
|                 | melakukan            | menampilkan data           | KIK <b>DISINI</b> untuk generate performance report |
|                 | persetujuan laporan  | laporan yang masuk         |   |
|                 | yang terdapat pada   | 2. Sistem update data.     |   |
|                 | notifikasi           | 3. Sistem mengirim         |   |
|                 |                      | persetujuan ke             |   |
|                 |                      | Asisten Manajer.           |   |
| Alur Alternatif | Aksi Pengguna        | Respon Sistem              | A Hasil   |
|                 | -                    | -                          | -   |
|                 | Aksi Pengguna        | Resporn Sistem             | Hasil   |
|                 | Pengguna salah       | Sistem berhasil            | Login Gagal   |
|                 | memasukkan           | menampilkan pesan          |   |
| Alur Eksepsi    | username ataupun     | kesalahan <i>input</i> -an |   |
|                 | password maupun      | username ataupun           |   |
|                 | kedua-duanya.        | password maupun            |   |
|                 |                      | keduanya.                  |   |
| Kondisi Akhir   | Sistem berhasil meng | irim persetujuan kepada A  | sisten Manajer                                      |
|                 | Peralatan I.         |                            |   |
|                 | Security             |                            |   |
| Kebutuhan       | Hanya dapat diakses  | s oleh pengguna yang mem   | niliki hak  |
| Non-            | akses.               |                            |   |
| Fungsional      | Correctness          |                            |   |
| i ungsionai     |                      |                            |   |
|                 | Interface            |                            |   |

Tabel 4.31 Hasil Uji Fungsional Dan Non-Fungsional Pada Supervisor Peralatan I

| Nama Fungsi | Pengawasan dan Kontrol Komponen Alat HMC       |
|-------------|--|
|             | Menu yang tersedia dalam bahasa indonesia      |
|             | Performance                                    |
|             |  |
|             | Operability                                    |
|             | Menu yang digunakan sama dengan menu yang lain |
|             | sehingga                                       |
|             | mudah untuk dioperasikan                       |

## 4.3.3 Uji Fungsional dan Non-Fungsional Supervisor Peralatan II

Mengenai uji fungsional dan non-fungsional pada Supervisor Peralatan II

yang lebih detil dapat dilihat pada tabel 4.32

| N. E.         | E                         |                         |  |
|---------------|---------------------------|-------------------------|--|
| Ivaina Fungsi | EVa                       |                         |  |
| Stakeholder   | Supervisor Peralatan      | 11                      |  |
|               | Aksi Pengguna             | Respon Sistem           | Hasil  |
|               | Penguna                   | 1. Sistem melakukan     | Login Berhasil                                 |
|               | memasu <mark>kk</mark> an | pengecekan hak          | ISNIS  |
|               | username dan              | akses pengguna.         | ΛΤΙΚΛ  |
|               | password                  | 2. Sistem               | ATTRA  |
|               |                           | menampilkan menu        |  |
|               |                           | sesuai hak akses        |  |
|               |                           | pengguna                |  |
|               | Pengguna                  | Sistem menampilkan      | Delem artis Conferences Denved websit Basi ini |
|               | menerima                  | Performance Summary     | Kik CISINI untuk GENERATE PERFORMANCE REPORT   |
|               | Performance               | CIIDARAV                | Λ  |
|               | Summary yang              | SUNADAT                 | A  |
|               | terdapat pada             |                         |  |
| Alur Normal   | notifikasi                |                         |  |
|               | Pengguna                  | 1. Sistem menampilkan   | Input Berhasil                                 |
|               | melakukan Evaluasi        | standart operasional    | (Kembali ke                                    |
|               | Kineria Alat              | alat                    | halaman  |
|               | 5                         | 2. Sistem memberi       | sebelumnva)                                    |
|               |                           | notifikasi iika kineria | <b>J (</b>                                     |
|               |                           | alat tidak sesuai       |  |
|               |                           | target                  |  |
|               |                           | 3 Sistem menyimnan      |  |
|               |                           | hasil evaluasi          |  |
|               | Pengguna membuat          | 1 Sistem menampilkan    | Input Berhagil                                 |
|               | lanoran kasasuaian        | data evaluasi           | (Kembali ka                                    |
|               | taporali Kesesualali      | 2 Sistem monomorillion  | holomon  |
|               | target                    | 2. Sistem menamplikan   | nalaman  |
|               |                           | form keterangan         | sebelumnya)                                    |

Tabel 4.32 Hasil Uji Fungsional Dan Non-Fungsional Pada Superisor Peralatan II

| Nama Fungsi      | Eva                               | aluasi Kinerja Alat HMC    |               |
|------------------|-----------------------------------|----------------------------|---------------|
|                  |                                   | hasil kesesuaian           |               |
|                  |                                   | target                     |               |
|                  |                                   | 3. Sistem menyimpan        |               |
|                  |                                   | laporan kesesuaian         |               |
|                  |                                   | target dan mengirim        |               |
|                  |                                   | notifikasi ke asman        |               |
| Alur Alternatif  | Aksi Pengguna                     | Respon Sistem              | Hasil         |
| Alui Alternatii  | -                                 | -                          | -             |
|                  | Aksi Pengguna                     | Resporn Sistem             | Hasil         |
|                  | Pengguna salah                    | Sistem berhasil            | Login Gagal   |
|                  | memasukkan                        | menampilkan pesan          |               |
| Alur Eksepsi     | <i>username</i> ataupun           | kesalahan <i>input</i> -an |               |
|                  | password maupun                   | <i>username</i> ataupun    |               |
|                  | kedua-duanya.                     | password maupun            |               |
|                  |                                   | keduanya.                  |               |
|                  | 1. Sistem berhas                  | il menampilkan hasil evalu | iasi pada     |
| Kondisi Akhir    | periode yang                      | dipilih.                   |               |
| Ronaisi / Ikilii | 2. Sistem berhas                  | il mengirim persetujuan ke | epada Asisten |
|                  | Manajer Peral                     | latan dan Utilisasi.       |               |
|                  | Security                          |                            |               |
|                  | Hanya <mark>dap</mark> at diakses | s oleh pengguna yang mem   | iliki hak     |
|                  | akses.                            |                            |               |
|                  | Correctness                       |                            | ΑΤΙΚΑ         |
|                  |                                   |                            |               |
| Kebutunan        | Interface                         | 1.1 . 1                    |               |
| Non-             | Menu yang tersedia                | dalam bahasa indonesia     |               |
| Fungsional       | Performance                       |                            |               |
|                  | On anghility                      |                            |               |
|                  | Monu yong digunak                 | an come dancan manu yan    | alain         |
|                  | sehingga                          | an sama uengan menu yan    | giain         |
|                  | mudah untuk dianar                | asikan                     |               |
|                  | mutan untuk uloper                | asikali                    |               |

## 4.3.4 Uji Fungsional dan Non-Fungsional Asisten Manajer Peralatan dan

## Utilisasi

Mengenai uji fungsional dan non-fungsional pada Asisten Manajer

Peralatan dan Utilisasi yang lebih detil dapat dilihat pada tabel 4.33.

## Tabel 4.33 Hasil Uji Fungsional Dan Non-Fungsional Pada Asisten Manajer

## Peralatan dan Utilisasi

| Nama Fungsi     | Pemeliharaan d       | an Pembelian Komponen A    | Alat HMC   |
|-----------------|----------------------|----------------------------|--|
| Stakeholder     | Asisten Manajer Pera | latan dan Utilisasi        |  |
|                 | Aksi Pengguna        | Respon Sistem              | Hasil  |
|                 | Penguna              | 3. Sistem melakukan        | Login Berhasil   |
|                 | memasukkan           | pengecekan hak             | U  |
|                 | username dan         | akses pengguna.            |  |
|                 | password             | 4. Sistem                  |  |
|                 | L                    | menampilkan menu           |  |
|                 |                      | sesuai hak akses           |  |
|                 |                      | pengguna                   |  |
|                 | Pengguna             | Sistem menampilkan         |  |
|                 | menerima             | Performance Summary        | Belum ada entry Performance Report untuk hari ini<br>Kik <b>DISINI</b> untuk GENERATE PERFORMANCE REPORT |
|                 | Performance          |                            |  |
|                 | Summary yang         |                            |  |
|                 | terdanat nada        |                            |  |
|                 | notifikasi           |                            |  |
|                 | Pengguna             | 4 Sistem menampilkan       | Input Berhasil   |
|                 | melakukan Evaluasi   | standart operasional       | (Kembali ke  |
| Alur Normal     | Kineria Alat         | alat                       | halaman  |
|                 | rinici ju rinut      | 5 Sistem memberi           | sebelumnya)  |
|                 |                      | notifikasi jika kineria    | <i>secondini j u j</i>   |
|                 |                      | alat tidak sesuai          |  |
|                 |                      | target.                    |  |
|                 |                      | 6. Sistem menyimpan        |  |
|                 |                      | hasil evaluasi.            |  |
|                 | Pengguna membuat     | 4. Sistem menampilkan      | Input Berhasil   |
|                 | laporan kesesuaian   | S data evaluasi A          | $\Delta$ (Kembali ke   |
|                 | target               | 5. Sistem menampilkan      | halaman  |
|                 | C                    | form keterangan            | sebelumnya)  |
|                 |                      | hasil kesesuaian           |  |
|                 |                      | target                     |  |
|                 |                      | 6. Sistem menyimpan        |  |
|                 |                      | laporan kesesuaian         |  |
|                 |                      | target dan mengirim        |  |
|                 |                      | notifikasi ke asman        |  |
|                 | Aksi Pengguna        | Respon Sistem              | Hasil  |
| Alur Alternatif | -                    | -                          | -  |
|                 | Aksi Pengguna        | Resporn Sistem             | Hasil  |
|                 | Pengguna salah       | Sistem berhasil            | Login Gagal  |
| Alur Eksonsi    | memasukkan           | menampilkan pesan          | _  |
| Alui Eksepsi    | username ataupun     | kesalahan <i>input</i> -an |  |
|                 | password maupun      | username ataupun           |  |
|                 | kedua-duanya.        | password maupun            |  |

| Nama Fungsi   | Pemeliharaan dan Pembelian Komponen Alat HMC  |
|---------------|---|
|               | keduanya.   |
| Kondisi Akhir | <ol> <li>Sistem berhasil menampilkan hasil evaluasi pada<br/>periode yang dipilih.</li> </ol> |
| Kondisi Akini | 4. Sistem berhasil mengirim persetujuan kepada Asisten<br>Manajer Peralatan dan Utilisasi.    |
|               | Security  |
|               | Hanya dapat diakses oleh pengguna yang memiliki hak   |
|               | akses.  |
|               | Correctness   |
|               |   |
| Kebutuhan     | Interface   |
| Non-          | Menu yang tersedia dalam bahasa indonesia   |
| Fungsional    | Performance   |
|               |   |
|               | Operability   |
|               | Menu yang digunakan sama dengan menu yang lain  |
|               | sehingga  |
|               | mudah untuk dioperasikan  |
|               |   |

#### 4.4 Evaluasi

Setelah tahapan implementasi, uji coba fungsional dan non-fungsional dilakukan, selanjutnya adalah melakukan evaluasi terhadap sistem tersebut secara keseluruhan, terutama pada hasil *output* program yaitu kecepatan dan ketepatan data hasil pengawasan dan kontrol alat HMC dibandingkan dengan perhitungan manual tanpa menggunakan aplikasi.

Dalam proses evaluasi kinerja alat HMC dibutuhkan kecepatan dan ketepatan dalam mengolah laporan harian operasional alat. Pada tahap evaluasi ini akan diambil sampel *performance summary* tahun 2013, dapat dilihat pada gambar 4.34.

|      |          |  |          |        |        |            | FOLIER       |        |        |          |        | /       |            |             |           |               |              |
|------|----------|--|----------|--------|--------|------------|--------------|--------|--------|----------|--------|---------|------------|-------------|-----------|---------------|--------------|
| 2 UN | ІТ ЗНМ К |  |          |        |        |            | Luch         |        |        |          |        |         |            | Mon         | nth: 01 A | PRIL 2013 - 3 | 0 APRIL 2013 |
|      |          | <u> </u>                                     |          | IN     | IPUT - | DATA       |              |        |        |          |        |         | CALCUL     | ATED -      | DATA      |               |              |
| NO   |          | тн   | EHRM     | OP     | PM     | BD         | BD           | S      | NB     | FU       | то     | MTBF    | Relibility | Utilization | Idle      | Availibility  | FU / EHRM    |
| NO   | ET & EN  | (Hour)                                       | (Hour)   | (Hour) | (Hour) | Relibility | Avallability | (Hour) | (Hour) | (Liter)  | (Hour) |         | %          | %           | %         | %             | Liter / Hour |
|      |          |  |          |        |        | (Hour)     | (Hour)       |        |        |          |        |         |            |             |           |               |              |
| 1    | HMK 53   | 651,00                                       | -444,00  | 399,00 | 6,00   | 0,00       | 0,00         | 246,00 | 0,00   | 15000,00 | 0,00   | #DIV/0! | 100,00     | 62,21       | 38,71     | 100,00        | -33,78       |
| 2    | HMK 54   | 651,00                                       | -1120,00 | 397,00 | 11,00  | 0,00       | 0,00         | 243,00 | 0,00   | 15000,00 | 0,00   | #DIV/0! | 100,00     | 62,67       | 39,02     | 100,00        | -13,39       |
|      |          |  |          |        |        |            |              |        |        |          |        |         |            |             |           |               |              |
|      | Total    | 1302,00                                      | -1564,00 | 796,00 | 17,00  | 0,00       | 0,00         | 489,00 | 0,00   | 30000,00 | 0,00   | #DIV/0! | 200,00     | 124,88      | 77,73     | 200,00        | -47,18       |
| A    | verage   | 651,00                                       |          | 398,00 | 8,50   | 0,00       | 0,00         | 244,50 | 0,00   | 15000,00 | 0,00   | #DIV/0! | 100,00     | 62,44       | 38,86     | 100,00        | -23,59       |
|      |          |  |          |        |        |            |              |        |        |          |        |         |            |             |           |               |              |
| KEY  | WORD     | <u>.                                    </u> |          |        |        |            |              |        |        |          |        |         |            |             |           |               |              |
|      |          |  | R        | FEREN  | CES    |            |              |        |        |          |        |         | FC         | ORMULA      |           |               |              |
|      |          |  | FC       |        |        |            |              |        |        | MITDE    |        |         |            |             |           | 1000/         | -            |

| ET & EN | = | EQUIPMENT TY PE AND NUMBER | MTBF           | = | OP/NB x 100%               |
|---------|---|----------------------------|----------------|---|----------------------------|
| TH      | = | TOTAL HOURS / MONTH        | % RELIABILITY  | = | (OP - BD Re) / OP          |
| OP      | = | METERED OPERATING HOURS    | % UTILIZATION  | = | (TH - TO - S) / TH         |
| PM      | = | PREVENTIVE MAINTENANCE     | % IDLE TIME    | = | (TH - TO - OP) / (TH - TO) |
| BD      | = | BREAKDOWN HOURS            | % AVAILABILITY | = | (TH - BD Av) / TH          |
| S       | = | STAND BY HOURS             | FU / hr        | = | FU/EHRM                    |
| NB      | = | NUMBER OF BREAKDOWN        |                |   |                            |
| FU      | = | FUEL IN LITERS             |                |   |                            |
| то      | = | TOTAL OUTAGE HOURS         |                |   |                            |
| MTBF    | = | MEAN TIME BETWEEN FAILURES |                |   |                            |

Gambar 4.32 Laporan Perhitungan Performance Summary Manual

Hasil perhitungan performance summary dengan menggunakan aplikasi

dengan menggunakan sampel alat HMC pada bulan Maret 2013 dapat dilihat pada

| Pe                   | rforma                               | nce Su  | mmary F   | Report G                                   | enerate  | e Form  |  |   |                                      |  |   |                             |                              |  |                                   |                                 |                                   |
|----------------------|--------------------------------------|---|---|--|--|---|--|---|--------------------------------------|--|---|-----------------------------|------------------------------|--|-----------------------------------|---------------------------------|-----------------------------------|
|                      | Mulai Tar                            | iggal   | 03/01/2015  |  | Sampai Ta  | nggal 0   | 3/31/2015                                |   |                                      |  |   |                             |                              |  |                                   |                                 |                                   |
|                      |                                      |   |   |  |  |   |  |   |                                      |  |   |                             |                              | <b>+</b> c                                   | Senerat                           | e 🗙                             | Cance                             |
| PER                  | REORMAN                              | ICE SUMM  | ARY REPOR   |  | ROWS   |   |  |   |                                      |  |   |                             |                              |  |                                   |                                 |                                   |
| PEF                  | RFORMAN<br>FE : 03/01                | ICE SUMM<br>/2015 - 03/                                     | ARY REPOR<br>31/2015  | RT TABLE : I                               | ROWS   | ATA   |  |   |                                      |  |   | CALC                        | CULATE                       | ) - DATA                                     |                                   |                                 |                                   |
| PEF<br>DAT           | RFORMAN<br>TE : 03/01<br>HMK<br>UNIT | ICE SUMM<br>/2015 - 03/<br>TH<br>(Hour)                     | ARY REPOR<br>31/2015<br>EHRM<br>(Hour)                          | OP<br>(Hour)                               | NPUT - D/<br>PM<br>(Hour)                                  | ATA<br>BD Re.<br>(Hour)                         | BD Av.<br>(Hour)                         | S s<br>(Hour)                             | NB<br>(Hour)                         | FU (Liter)                                       | TO<br>(Hour)                                  | CALC                        | CULATE                       | D - DATA<br>Ut %                             | ldle<br>%                         | Av %                            | FU                                |
| PEF<br>DAT<br>#      | HMK<br>UNIT                          | ICE SUMM<br>2015 - 03/<br>TH<br>(Hour)<br>651.00            | ARY REPOR<br>31/2015<br>EHRM<br>(Hour)<br>7389                  | OP<br>(Hour)<br>417.00                     | NPUT - D/<br>PM<br>(Hour)<br>0.00                          | ATA<br>BD Re.<br>(Hour)<br>0.00                 | BD Av.<br>(Hour)<br>0.00                 | <b>s</b><br>(Hour)<br>234.00              | NB<br>(Hour)<br>0.00                 | <b>FU (Liter)</b> 5,400.00                       | р<br>то<br>(Hour)<br>0.00                     | CALC<br>MTBF                | CULATED<br>Re %<br>100.00    | D - DATA<br>Ut %<br>64.06                    | Idle<br>%<br>35.94                | Av %                            | FU<br>EHF                         |
| PEF<br>DAT<br>#<br>1 | HMK<br>UNIT<br>HMC 53<br>HMC 54      | ICE SUMM<br>(2015 - 03/<br>TH<br>(Hour)<br>651.00<br>651.00 | ARY REPOR<br>31/2015<br>EHRM<br>(Hour)<br>7389<br>7989          | CP<br>(Hour)<br>417.00<br>403.00           | INPUT - D/<br>PM<br>(Hour)<br>0.00<br>0.00                 | ATA<br>BD Re.<br>(Hour)<br>0.00<br>0.00         | BD Av.<br>(Hour)<br>0.00<br>0.00         | s<br>(Hour)<br>234.00<br>248.00           | NB<br>(Hour)<br>0.00<br>0.00         | <b>FU (Liter)</b><br>5,400.00<br>10,000.00       | <b>D</b><br>(Hour)<br>0.00<br>0.00            | CALC<br>MTBF<br>0<br>0      | Re %<br>100.00               | D - DATA<br>Ut %<br>64.06<br>61.90           | Idle<br>%<br>35.94<br>38.10       | Av %<br>100.00<br>100.00        | FU<br>EHF<br>0.73                 |
| #<br>1<br>2<br>TO    | HMK<br>UNIT<br>HMC 53<br>HMC 54      | TH<br>(Hour)<br>651.00<br>1,302.00                          | ARY REPOR<br>31/2015<br>EHRM<br>(Hour)<br>7389<br>7989<br>15378 | CP<br>(Hour)<br>417.00<br>403.00<br>820.00 | ROWS<br>INPUT - D/<br>PM<br>(Hour)<br>0.00<br>0.00<br>0.00 | ATA<br>BD Re.<br>(Hour)<br>0.00<br>0.00<br>0.00 | BD Av.<br>(Hour)<br>0.00<br>0.00<br>0.00 | s<br>(Hour)<br>234.00<br>248.00<br>482.00 | NB<br>(Hour)<br>0.00<br>0.00<br>0.00 | FU (Liter)<br>5,400.00<br>10,000.00<br>15,400.00 | <b>D</b> TO<br>(Hour)<br>0.00<br>0.00<br>0.00 | CALC<br>MTBF<br>0<br>0<br>0 | <b>Re %</b><br>100.00<br>200 | D - DATA<br>Ut %<br>64.06<br>61.90<br>125.96 | Idle %<br>35.94<br>38.10<br>74.04 | Av %<br>100.00<br>100.00<br>200 | FU<br>EHF<br>0.73<br>1.25<br>1.98 |

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Aplikasi

#### 4.4.1 Perhitungan Dengan Aplikasi

Perhitungan evaluasi kinerja alat HMC secara terkomputerisasi yang diimplementasikan kedalam sebuah aplikasi ini dilakukan dengan cara indikatorindikator yang telah dinputkan yang direkap setiap bulannya. Dari hasil evaluasi kinerja pada bulan Maret, nantinya akan dibandingkan dengan kondisi yang ada pada PT. BJTI saat itu, sehingga dapat diketahui perbedaan antara evaluasi yang dilakukan PT. BJTI secara manual dengan evaluasi yang dilakukan menggunakan sistem. Berdasarkan hasil perhitungan secara terkomputerisasi, hasil laporan *Performance Report* untuk HMC 53 dan HMC 54 pada bulan Maret tampak pada Gambar 4.34 dan Gambar 4.35

| 19/Mar/2015 | Thu | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 5.00   | 10.00  | 6.00   | 76.19    | 100.00 | 100.00 |
|-------------|-----|--------|------|------|------|------|--------|--------|--------|----------|--------|--------|
| 20/Mar/2015 | Fri | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 14.00  | 7.00   | 0.00   | 33.33    | 100.00 | 100.00 |
| 21/Mar/2015 | Sat | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 9.00   | 8.00   | 4.00   | 57.14    | 100.00 | 100.00 |
| 22/Mar/2015 | Sun | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 3.00   | 9.00   | 9.00   | 85.71    | 100.00 | 100.00 |
| 23/Mar/2015 | Mon | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 7.00   | 10.00  | 4.00   | 66.67    | 100.00 | 100.00 |
| 24/Mar/2015 | Tue | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 5.00   | 10.00  | 6.00   | 76.19    | 100.00 | 100.00 |
| 25/Mar/2015 | Wed | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 6.00   | 9.00   | 6.00   | 71.43    | 100.00 | 100.00 |
| 26/Mar/2015 | Thu | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 6.00   | 5.00   | 10.00  | 71.43    | 100.00 | 100.00 |
| 27/Mar/2015 | Fri | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 6.00   | 6.00   | 9.00   | 71.43    | 100.00 | 100.00 |
| 28/Mar/2015 | Sat | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 2.00   | 10.00  | 9.00   | 90.48    | 100.00 | 100.00 |
| 29/Mar/2015 | Sun | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 8.00   | 10.00  | 3.00   | 61.90    | 100.00 | 100.00 |
| 30/Mar/2015 | Mon | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 7.00   | 10.00  | 4.00   | 66.67    | 100.00 | 100.00 |
| 31/Mar/2015 | Tue | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 3.00   | 10.00  | 8.00   | 85.71    | 100.00 | 100.00 |
| TOTAL       |     | 651.00 | 0.00 | 0.00 | 0.00 | 0.00 | 234.00 | 219.00 | 198.00 | 1,985.72 | 100.00 | 100.00 |
| AVERAGE     |     | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 7.32   | 7.03 R | 6.23   | 64.06    | 7      |        |

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Gambar 4.34 Laporan Performance Report HMC 53

| AVERAGE     |     | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 8.00   | 6.48   | 6.11   | 61.90    |        |        |
|-------------|-----|--------|------|------|------|------|--------|--------|--------|----------|--------|--------|
| TOTAL       |     | 651.00 | 0.00 | 0.00 | 0.00 | 0.00 | 248.00 | 211.00 | 192.00 | 1,919.04 | 100.00 | 100.00 |
| 31/Mar/2015 | Tue | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 14.00  | 4.00   | 3.00   | 33.33    | 100.00 | 100.00 |
| 30/Mar/2015 | Mon | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 9.00   | 10.00  | 2.00   | 57.14    | 100.00 | 100.00 |
| 29/Mar/2015 | Sun | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 5.00   | 9.00   | 7.00   | 76.19    | 100.00 | 100.00 |
| 28/Mar/2015 | Sat | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 12.00  | 9.00   | 0.00   | 42.86    | 100.00 | 100.00 |
| 27/Mar/2015 | Fri | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 8.00   | 4.00   | 9.00   | 61.90    | 100.00 | 100.00 |
| 26/Mar/2015 | Thu | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 8.00   | 8.00   | 5.00   | 61.90    | 100.00 | 100.00 |
| 25/Mar/2015 | Wed | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 2.00   | 10.00  | 9.00   | 90.48    | 100.00 | 100.00 |
| 24/Mar/2015 | Tue | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 7.00   | 7.00   | 7.00   | 66.67    | 100.00 | 100.00 |
| 23/Mar/2015 | Mon | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 6.00   | 7.00   | 8.00   | 71.43    | 100.00 | 100.00 |
| 22/Mar/2015 | Sun | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 5.00   | 9.00   | 7.00   | 76.19    | 100.00 | 100.00 |
| 21/Mar/2015 | Sat | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 13.00  | 4.00   | 4.00   | 38.10    | 100.00 | 100.00 |
| 20/Mar/2015 | Fri | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 9.00   | 4.00   | 8.00   | 57.14    | 100.00 | 100.00 |
| 19/Mar/2015 | Thu | 21.00  | 0.00 | 0.00 | 0.00 | 0.00 | 9.00   | 5.00   | 7.00   | 57.14    | 100.00 | 100.00 |

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| perf<br>lapo | ra<br>P<br>KE | Dari<br>mance<br>an manu<br>T. BE<br>SESUAIAN | Gamba<br>Gamba<br>report<br>ual bula<br>RLIAN | ar 4.34 dan 0<br>ar 4.34 dan 0<br>a HMC meng<br>an Maret 2013<br>I JASA TEF<br>INDEX - ADMINISTE | oran Perform<br>Gambar 4.35<br>ghasilkan ang<br>ghasilkan ang<br>ghasilkan ang<br>ghasilkan ang<br>ghasilkan ang<br>sterimalist ope | nance Report<br>, dapat disin<br>gka yang ak<br>53 dan HMC<br>DONESIA<br>RATOR - SUPERVISOR | HMC 54<br>npulkan bahwa<br>urat dan sama<br>2 54 | a laporan<br>a dengan  |
|--------------|---------------|---|---|--|---|---|--|------------------------|
| ŀ            | +<br>KES      | Generate Kes<br>GESUAIAN TAR                  | esuaian Targe<br>GET REPORT                   | t Report Q Search  | Cetak 📄 Chart UTI AV  | /A d 🖨 Chart UTI REL  |  |                        |
|              | #             | HMK Unit                                      | Month   | Availability Time (%)  | Desc<br>Reliability Time (%)  | Utilization Time (%)  | Crane Operation Hour                             | Option                 |
|              | 1             | HMC 53  | Mar 2015                                      | 100.00 🗸   | 100.00 🗸  | 64.06   | 417.00   | Disapprove Edit Delete |
|              | 2             | HMC 54  | Mar 2015                                      | 100.00 🖌   | 100.00 🔽  | 61.90   | 403.00   | Disapprove Edit Delete |

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Gambar 4.36 Laporan Kesesuaian Target

Dari Gambar 4.36 dapat disimpulkan bahwa laporan kesesuaian target yang dilakukan menghasilkan *alert* yang digunakan untuk pengambilan keputusan oleh *top manager*, yaitu alert berupa warna merah yang berarti hasi evaluasi tidak sesuai dengan target yang diharapkan yaitu *Availability Time* >90%, dan *Reliability Time* > 90% serta alert berwarna hijau sesuai target yang diharapkan dengan *Rate* >90%. Kemudian dapat diketahui dengan melihat visualisasi hasil perhitungan *utilization time* dan *reliability time* melalui *chart*.



## 4.4.2 Perhitungan Manual Tanpa Aplikasi

Perhitungan manual yang dimaksud adalah hasil perhitungan untuk 3 indikator yang dilakukan PT. BJTI pada bulan Maret. Lebih jelas mengenai evaluasi yang dilakukan dapat dilihat pada Gambar 4.38.

| PERF | ORM   | ANCE REP    | ORT  | OFHMK   | 53          |      |          |          |          |              |                                 |                |
|------|-------|-------------|------|---------|-------------|------|----------|----------|----------|--------------|---------------------------------|----------------|
| Mon  | th of | 01 APRIL :  | 2013 | - 31 AP | RIL 2013    | }    |          |          |          |              |                                 |                |
|      |       |             |      |         |             |      |          |          |          |              |                                 |                |
|      |       | Total Hours |      | Total C | outstage Ho | ours | Stand By | Operatir | ng Hours | Utilization  | ReliabilityTime (%)             | AvaliabilityTi |
| Date | Day   | per month   | РМ   |         |             |      | Hours    | (0       | P)       | Time (%)     |                                 | (%)            |
|      |       | тн          |      |         | то          |      | s        | Plug I   | Plug II  |              |                                 |                |
|      |       | (HRS)       |      | BD Re   | BD Av       | А    | (Hrs)    | (Hrs)    | (Hrs)    | (TH-TO-S)/TH | (OP I+OP II)-BD Re/(OP I+OP II) | (TH-BD Av)/    |
| 1    | Mon   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 13,00    | 7,00     | 1,00     | 38,10        | 100,00                          | 100,00         |
| 2    | Tue   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 10,00    | 5,00     | 6,00     | 52,38        | 100,00                          | 100,00         |
| 3    | Wed   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 8,00     | 6,00     | 7,00     | 61,90        | 100,00                          | 100,00         |
| 4    | Thu   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 6,00     | 7,00     | 8,00     | 71,43        | 100,00                          | 100,00         |
| 5    | Fri   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 2,00     | 10,00    | 9,00     | 90,48        | 100,00                          | 100,00         |
| 6    | Sat   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 12,00    | 0,00     | 9,00     | 42,86        | 100,00                          | 100,00         |
| 7    | Sun   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 10,00    | 1,00     | 10,00    | 52,38        | 100,00                          | 100,00         |
| 8    | Mon   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 14,00    | 7,00     | 0,00     | 33,33        | 100,00                          | 100,00         |
| 9    | Tue   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 13,00    | 2,00     | 6,00     | 38,10        | 100,00                          | 100,00         |
| 10   | Wed   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 12,00    | 3,00     | 6,00     | 42,86        | 100,00                          | 100,00         |
| 11   | Thu   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 21,00    | 0,00     | 0,00     | 0,00         | #DIV/0!                         | 100,00         |
| 12   | Fri   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 5,00     | 6,00     | 10,00    | 76,19        | 100,00                          | 100,00         |
| 13   | Sat   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 1,00     | 10,00    | 10,00    | 95,24        | 100,00                          | 100,00         |
| 14   | Sun   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 2,00     | 10,00    | 9,00     | 90,48        | 100,00                          | 100,00         |
| 15   | Mon   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 9,00     | 4,00     | 8,00     | 57,14        | 100,00                          | 100,00         |
| 16   | Tue   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 5,00     | 7,00     | 9,00     | 76,19        | 100,00                          | 100,00         |
| 17   | Wed   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 11,00    | 10,00    | 0,00     | 47,62        | 100,00                          | 100,00         |
| 18   | Thu   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 5,00     | 8,00     | 8,00     | 76,19        | 100,00                          | 100,00         |
| 19   | Fri   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 5,00     | 10,00    | 6,00     | 76,19        | 100,00                          | 100,00         |
| 20   | Sat   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 14,00    | 7,00     | 0,00     | 33,33        | 100,00                          | 100,00         |
| 21   | Sun   | 21,00       | 6,00 | 0,00    | 0,00        | 0,00 | 15,00    | 0,00     | 0,00     | 28,57        | #DIV/0!                         | 100,00         |
| 22   | Mon   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 3,00     | 9,00     | 9,00     | 85,71        | 100,00                          | 100,00         |
| 23   | Tue   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 7,00     | 10,00    | 4,00     | 66,67        | 100,00                          | 100,00         |
| 24   | Wed   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 5,00     | 10,00    | 6,00     | 76,19        | 100,00                          | 100,00         |
| 25   | Thu   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 6,00     | 9,00     | 6,00     | 71,43        | 100,00                          | 100,00         |
| 26   | Fri   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 6,00     | 5,00     | 10,00    | 71,43        | 100,00                          | 100,00         |
| 27   | Sat   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 6,00     | 6,00     | 9,00     | 71,43        | 100,00                          | 100,00         |
| 28   | Sun   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 2,00     | 10,00    | 9,00     | 90,48        | 100,00                          | 100,00         |
| 29   | Mon   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 8,00     | 10,00    | 3,00     | 61,90        | 100,00                          | 100,00         |
| 30   | Tue   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 7,00     | 10,00    | 4,00     | 66,67        | 100,00                          | 100,00         |
| 31   | Thu   | 21,00       | 0,00 | 0,00    | 0,00        | 0,00 | 3,00     | 10,00    | 8,00     | 85,71        | 100,00                          | 100,00         |
| Тс   | otal  | 651,00      | 6,00 | 0,00    | 0,00        | 0,00 | 246,00   | 209,00   | 190,00   | 1928,57      | RAVA                            |                |
| Ave  | erage | 21,00       | 0,19 | 0,00    | 0,00        | 0,00 | 7,94     | 6,74     | 6,13     | 62,21        | 100,00                          | 100,00         |

Gambar 4.38 Laporan Manual Performance Report HMC 53

| PER  | ORM.  | ANCE REP    | ORT  | OF HM K            | 54         |      |          |          |          |              |                                 |                  |
|------|-------|-------------|------|--------------------|------------|------|----------|----------|----------|--------------|---------------------------------|------------------|
| Mon  | th of | 01 APRIL :  | 2013 | - 31 APF           | RIL 2013   |      |          |          |          |              |                                 |                  |
|      |       |             |      |                    |            |      |          |          |          |              |                                 |                  |
|      |       | Total Hours |      | Total O            | utstage Ho | urs  | Stand By | Operatir | ng Hours | Utilization  | ReliabilityTime (%)             | AvaliabilityTime |
| Date | Day   | per month   | РМ   |                    |            |      | Hours    | (0       | P)       | Time (%)     |                                 | (%)              |
|      |       | тн          |      |                    | то         |      | s        | Plug I   | Plug II  |              |                                 |                  |
|      |       | (HRS)       |      | BD Re              | BD Av      | Α    | (Hrs)    | (Hrs)    | (Hrs)    | (TH-TO-S)/TH | (OP I+OP II)-BD Re/(OP I+OP II) | (TH-BD Av)/TH    |
| 1    | Tue   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 9,00     | 7,00     | 5,00     | 57,14        | 100,00                          | 100,00           |
| 2    | Wed   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 6,00     | 10,00    | 5,00     | 71,43        | 100,00                          | 100,00           |
| 3    | Thu   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 8,00     | 4,00     | 9,00     | 61,90        | 100,00                          | 100,00           |
| 4    | Fri   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 5,00     | 10,00    | 6,00     | 76,19        | 100,00                          | 100,00           |
| 5    | Sat   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 2,00     | 10,00    | 9,00     | 90,48        | 100,00                          | 100,00           |
| 6    | Sun   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 18,00    | 3,00     | 0,00     | 14,29        | 100,00                          | 100,00           |
| 7    | Mon   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 9,00     | 3,00     | 9,00     | 57,14        | 100,00                          | 100,00           |
| 8    | Tue   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 9,00     | 10,00    | 2,00     | 57,14        | 100,00                          | 100,00           |
| 9    | Wed   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 4,00     | 9,00     | 8,00     | 80,95        | 100,00                          | 100,00           |
| 10   | Thu   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 15,00    | 2,00     | 4,00     | 28,57        | 100,00                          | 100,00           |
| 11   | Fri   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 6,00     | 5,00     | 10,00    | 71,43        | 100,00                          | 100,00           |
| 12   | Sat   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 12,00    | 9,00     | 0,00     | 42,86        | 100,00                          | 100,00           |
| 13   | Sun   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 12,00    | 0,00     | 9,00     | 42,86        | 100,00                          | 100,00           |
| 14   | Mon   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 2,00     | 10,00    | 9,00     | 90,48        | 100,00                          | 100,00           |
| 15   | Tue   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 8,00     | 8,00     | 5,00     | 61,90        | 100,00                          | 100,00           |
| 16   | Wed   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 6,00     | 6,00     | 9,00     | 71,43        | 100,00                          | 100,00           |
| 17   | Thu   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 6,00     | 6,00     | 9,00     | 71,43        | 100,00                          | 100,00           |
| 18   | Fri   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 4,00     | 9,00     | 8,00     | 80,95        | 100,00                          | 100,00           |
| 19   | Sat   | 21,00       | 0,00 | 0,0 <mark>0</mark> | 0,00       | 0,00 | 9,00     | 5,00     | 7,00     | 57,14        | 100,00                          | 100,00           |
| 20   | Sun   | 21,00       | 0,00 | 0,0 <mark>0</mark> | 0,00       | 0,00 | 9,00     | 4,00     | 8,00     | 57,14        | 100,00                          | 100,00           |
| 21   | Mon   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 13,00    | 4,00     | 4,00     | 38,10        | 100,00                          | 100,00           |
| 22   | Tue   | 21,00       | 0,00 | 0,0 <mark>0</mark> | 0,00       | 0,00 | 5,00     | 9,00     | 7,00     | 76,19        | 100,00                          | 100,00           |
| 23   | Wed   | 21,00       | 0,00 | 0,0 <mark>0</mark> | 0,00       | 0,00 | 6,00     | 7,00     | 8,00     | 71,43        | 100,00                          | 100,00           |
| 24   | Thu   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 7,00     | 7,00     | 7,00     | 66,67        | 100,00                          | 100,00           |
| 25   | Fri   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 2,00     | 10,00    | 9,00     | 90,48        | 100,00                          | 100,00           |
| 26   | Sat   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 8,00     | 8,00     | 5,00     | 61,90        | 100,00                          | 100,00           |
| 27   | Sun   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 8,00     | 4,00     | 9,00     | 61,90        | 100,00                          | 100,00           |
| 28   | Mon   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 12,00    | 9,00     | 0,00     | 42,86        | 100,00                          | 100,00           |
| 29   | Tue   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 5,00     | 9,00     | 7,00     | 76,19        | 100,00                          | 100,00           |
| 30   | Wed   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 9,00     | 10,00    | 2,00     | 57,14        | 100,00                          | 100,00           |
| 31   | Thu   | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 14,00    | 4,00     | 3,00     | 33,33        | 100,00                          | 100,00           |
| т    | otal  | 651,00      | 0,00 | 0,00               | 0,00       | 0,00 | 248,00   | 211,00   | 192,00   | 1919,05      |                                 |                  |
| Ave  | erage | 21,00       | 0,00 | 0,00               | 0,00       | 0,00 | 8,00     | 6,81     | 6,19     | 61,90        | 100,00                          | 100,00           |

Gambar 4.36 Laporan Manual Performance Report HMC 54

Pada laporan *Performance Report* perhitungan manual, penggunaan variabel-variabel disamakan dengan perhitungan memakai aplikasi yang meliputi *Availability Time, Reliability Time, Utilization Time, Operating Hour* sehingga diperoleh perhitungan dengan *output* yang sama agar dapat dilakukan perbandingan dengan hasil dari penggunaan aplikasi.

#### 4.4.3 Perbandingan Hasil Evaluasi

Dari hasil uji coba melalui aplikasi dan melalui perhitungan secara manual menggunakan sample alat HMC 53 dan HMC 54 pada bulan Maret 2013, tidak terdapat perbedaan perhitungan, yang membedakan hanyalah informasi total dan *average*, informasi yang ada pada aplikasi lebih akurat karena aplikasi mengkonversi waktu dari jam ke menit kemudian dibagi dengan jumlah hari dibanding dengan *excel* yang langsung menghitung dari jumlah jam. Kemudian pada laporan keseuaian target terdapat *alert* berupa warna jika pada perhitungan kinerja alat HMC jika salah satunya tidak mencapai target. Serta dalam satu laporan keseuaian target terdapat keterangan / detil tentang hasil evaluasi alat tersebut.

Dengan adanya *alert* yang diberikan, dapat mempermudah pihak asisten manajer peralatan dan utilisasi dalam menjalankan tugasnya, dimana dengan adanya *alert* akan dengan cepat diketahui permasalahan pada operasional alat HMC serta membantu dalam melakukan pengambilan keputusan. Kemudian untuk Supervisor peralatan I tidak ada lagi keterlambatan dalam penerimaan dan pembuatan laporan, serta perhitungan kinerja alat HMC.