# SURAT PENCATATAN

## CIPTAAN

Dalam rangka pelindungan ciptaan di bidang ilmu pengetahuan, seni dan sastra berdasarkan Undang-Undang Nomor 28 Tahun 2014 tentang Hak Cipta, dengan ini menerangkan:

| | | |
|---|---|---|
| Nomor dan tanggal permohonan | : | EC00202041136, 16 Oktober 2020 |
| **Pencipta** | | |
| Nama | : | **I Made Artha Agastya, Kusrini, Dr., S.Kom, M.Kom dkk** |
| Alamat | : | Terban GK 5/218 RT/RW 008/002 Kelurahan Terban Kecamatan Gondokusuman , Yogyakarta, DI YOGYAKARTA, 55223 |
| Kewarganegaraan | : | Indonesia |
| **Pemegang Hak Cipta** | | |
| Nama | : | **I Made Artha Agastya, Kusrini, Dr., S.Kom, M.Kom dkk** |
| Alamat | : | Terban GK 5/218 RT/RW 008/002 Kelurahan Terban Kecamatan Gondokusuman, Yogayakarta, DI YOGYAKARTA, 55223 |
| Kewarganegaraan | : | Indonesia |
| Jenis Ciptaan | : | **Program Komputer** |
| Judul Ciptaan | : | **Knowledge Management MPI** |
| Tanggal dan tempat diumumkan untuk pertama kali di wilayah Indonesia atau di luar wilayah Indonesia | : | 10 September 2020, di Yogyakarta |
| Jangka waktu pelindungan | : | Berlaku selama 50 (lima puluh) tahun sejak Ciptaan tersebut pertama kali dilakukan Pengumuman. |
| Nomor pencatatan | : | 000210359 |

adalah benar berdasarkan keterangan yang diberikan oleh Pemohon.
Surat Pencatatan Hak Cipta atau produk Hak terkait ini sesuai dengan Pasal 72 Undang-Undang Nomor 28 Tahun 2014 tentang Hak Cipta.

a.n. MENTERI HUKUM DAN HAK ASASI MANUSIA
DIREKTUR JENDERAL KEKAYAAN INTELEKTUAL

Dr. Freddy Harris, S.H., LL.M., ACCS.
NIP. 196611181994031001

**LAMPIRAN PENCIPTA**

| No | Nama | Alamat |
|----|------|--------|
| 1 | I Made Artha Agastya | Terban GK 5/218 RT/RW 008/002 Kelurahan Terban Kecamatan Gondokusuman |
| 2 | Kusrini, Dr., S.Kom, M.Kom | Dusun Sanggrahan RT 4 RW 36 Desa Wedomartani Kecamatan Ngemplak |
| 3 | Suputa | Dusun Jurang Kuali RT/RW 003/005 Desa Sumber Berantas Kecamatan Bumiaji |
| 4 | Arief Setyanto | Jl. Gambiran 92 A RT/RW 004/002 Kelurahan Giwangan Kecamatan Umbulharjo |
| 5 | Herlambang Priantoro | Madusari RT/RW 005/002 Desa Wonosari Kecamatan Wonosari |
| 6 | Fadlurahman | Dusun Sumber Bentong RT/RW 006/003 Karang Cempaka Bluto |

**LAMPIRAN PEMEGANG**

| No | Nama | Alamat |
|----|------|--------|
| 1 | I Made Artha Agastya | Terban GK 5/218 RT/RW 008/002 Kelurahan Terban Kecamatan Gondokusuman |
| 2 | Kusrini, Dr., S.Kom, M.Kom | Dusun Sanggrahan RT 4 RW 36 Desa Wedomartani Kecamatan Ngemplak |
| 3 | Suputa | Dusun Jurang Kuali RT/RW 003/005 Desa Sumber Berantas Kecamatan Bumiaji |
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| 6 | Fadlurahman | Dusun Sumber Bentong RT/RW 006/003 Karang Cempaka Bluto |

# Manual Aplikasi

MPI'S KNOWLEDGE MANAGEMENT

*I Made Artha Agastya*
*Kusrini, Dr., S.Kom, M.Kom*
*Suputa*
*Arief Setyanto*
*Herlambang Priantoro*
*Fadlurahman*

**A. Deskripsi Program Aplikasi**

Knowledge Management-MPI merupakan aplikasi mobile berbasis web yang digunakan untuk mengelola data dan pengetahuan yang akan digunakan Aplikasi Smartphone Mango Pest Identifier (MPI). Pada aplikasi ini disediakan fasilitas untuk mengelola data hama, mengelola cara karakteristik dan cara penanganan hama. Selain itu disiapkan pula fasilitas validasi identifikasi untuk memastikan data yang layak diolah menjadi statistik hama. Informasi statistik hama menjadi pelengkap dari aplikasi ini.

**B. Manual Instalasi**

## PETUNJUK INSTALASI SERVER

Apabila diinginkan untuk menginstal server di suatu komputer, maka yang harus dilakukan adalah :

1. Double klik file instalasi xampp seperti tampak pada Gambar 1 kemudian ikuti langkah instalasi sampai selesai. Instalasi ini otomatis akan menginstal web server apache dan database Mysql
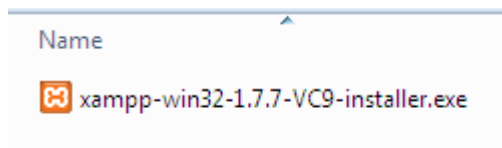


*Gambar 1. File instalasi xampp*

2. Dari start menu, jalankan aplikasi XAMPP Control Panel. Tampilan Start Menu Xampp Control Panel tampak pada Gambar 2.
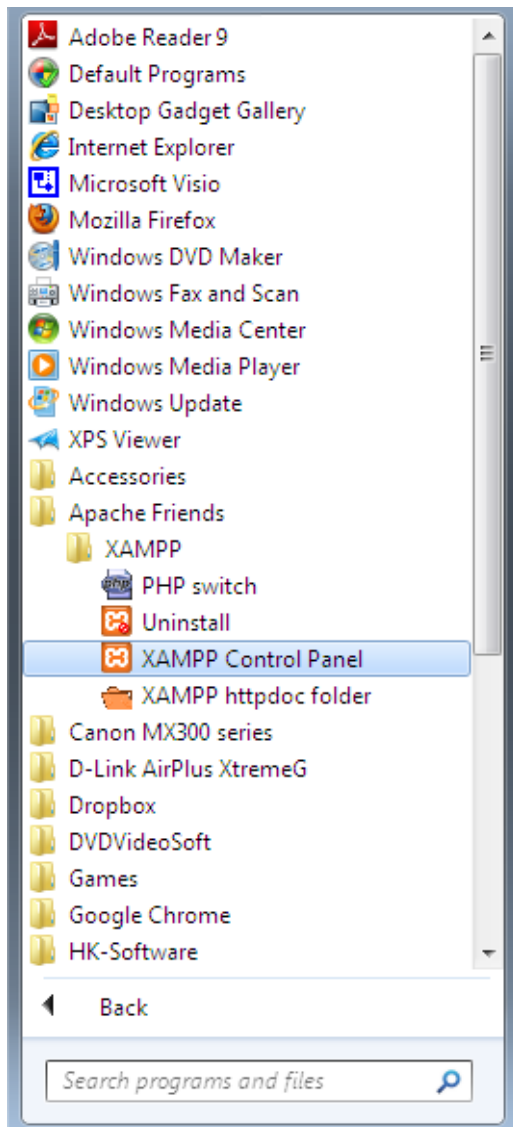
*Gambar 2. Start Menu Xampp Control Panel*

3. Hidupkan apache dan mysql dengan menekan tombol Start disebelah Apache dan MySQL pada halaman Xampp Control Panel, seperti tampak pada Gambar 3

4. Copikan folder jualgadai ke C:\Xamp\Htdocs

5. Buka phpmyadmin dari browser dengan alamat [http://localhost/phpmyadmin](http://localhost/phpmyadmin)

6. Buat database dengan nama jualgadai

7. Import file database.sql

8. Akses alamat server dengan http://localhost/jualgadai
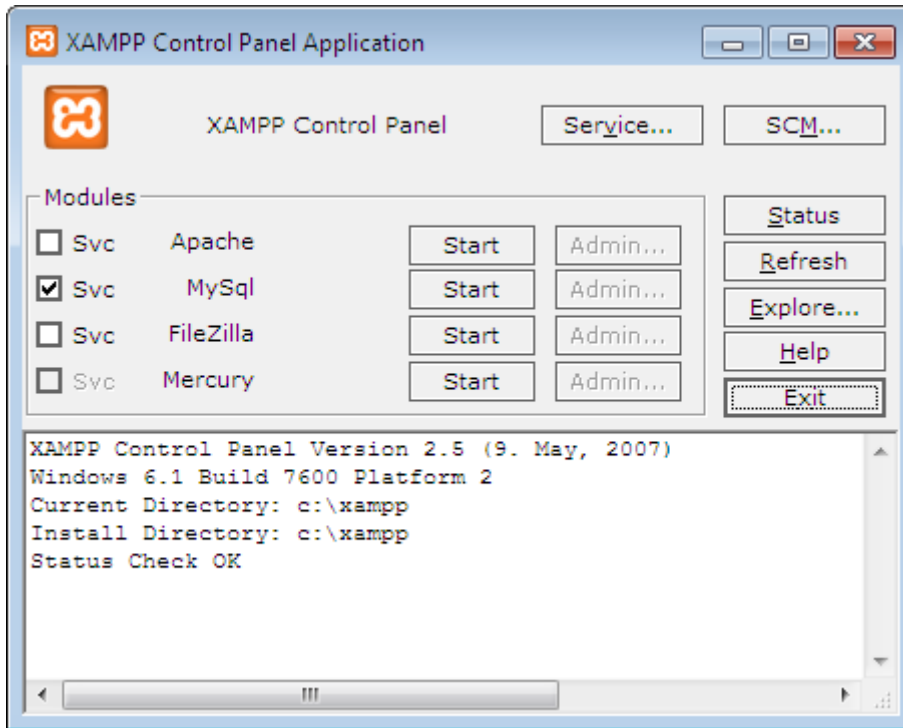
*Gambar 3. Halaman Control Panel*

## KEBUTUHAN SISTEM

Untuk menjalankan aplikasi sistem informasi penjualan diperlukan seperangkat komputer yang dilengkapi dengan koneksi internet. Aplikasi dapat diakses melalui browser seperti Modzila Firefox, Internet Explorer atau Google Chrome.

## CARA MENGAKSES APLIKASI

Web knowledge management MPI dapat diakses dengan cara :

1.  Buka aplikasi browser

    Masukkan alamat web, sistem akan menampilkan halaman login seperti tampak pada Gambar 4
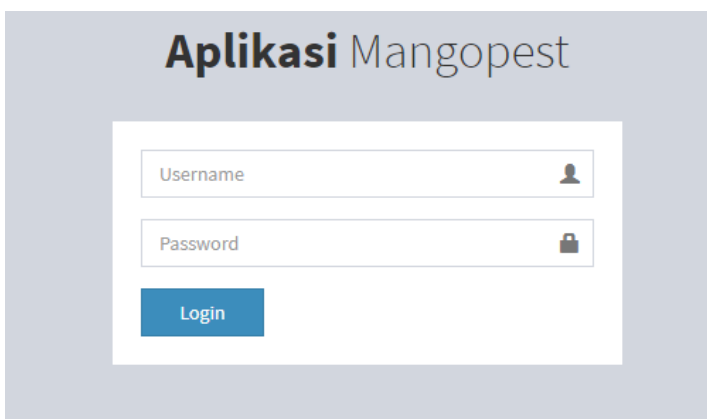
2. Masukkan user dan password, lalu klik Tombol **Login**, sistem akan menampilkan halaman utama seperti tampak pada Gambar 5.
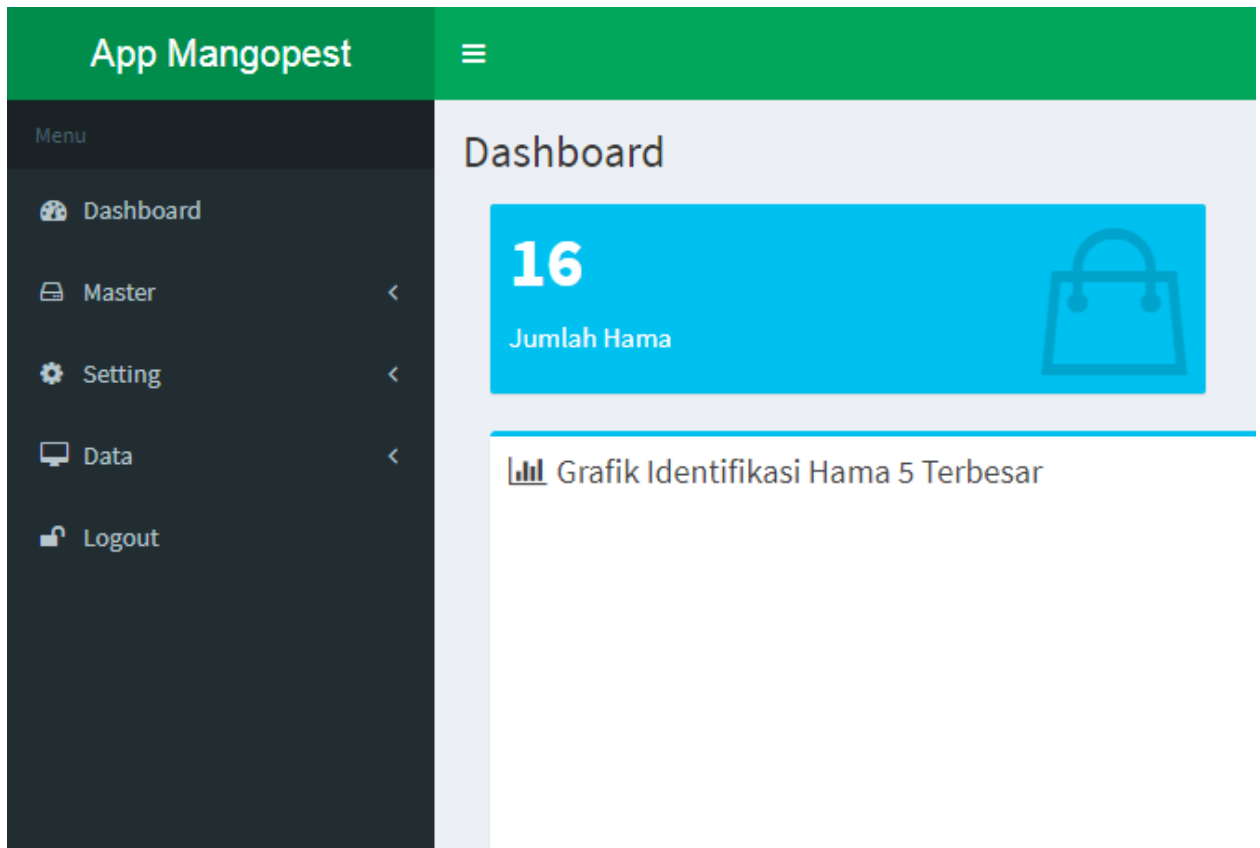


Gambar 5. Halaman Utama

## MASTER

Master digunakan untuk mengelola data dasar yang akan dijadikan sebagai rujukan ketika proses kelola pengetahuan. Ada beberapa menu yang dapat dikelola pada Panel **Master**, yaitu: Status Hama dan Bagian Tumbuhan.

### Status Hama

Menu **Status Hama** digunakan untuk mengelola data Status Hama yang akan digunakan dalam mengelola hama. Untuk melihat daftar status hama lakukan langkah-langkah sebagai berikut:

1. Dari Menu **Master** klik Menu **Status Hama**, sistem akan menampilkan Halaman **Daftar Status Hama** seperti tampak pada Gambar 6
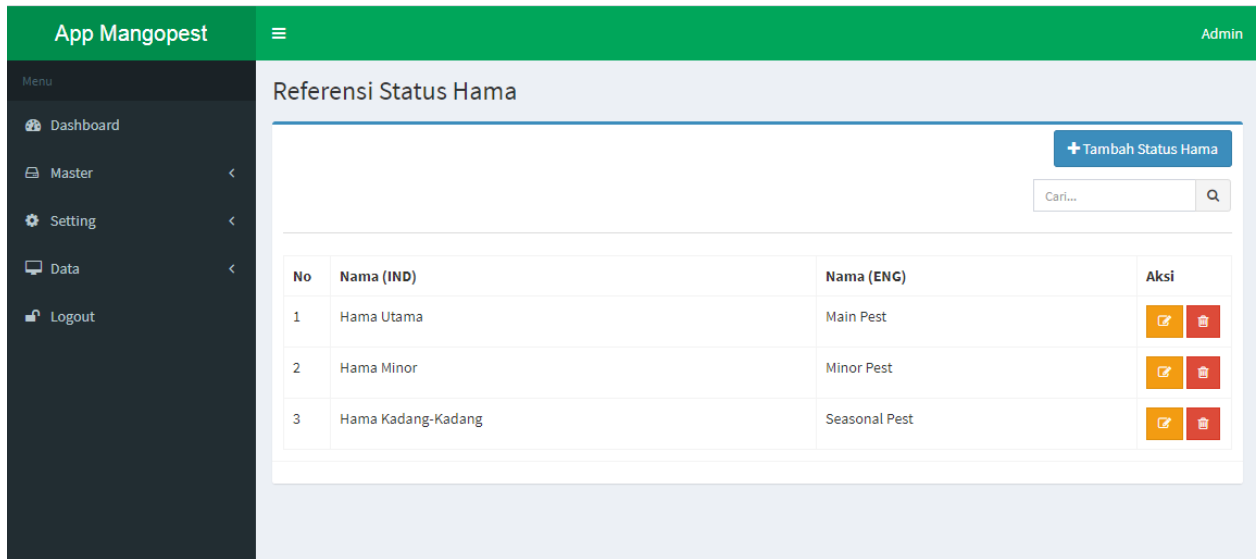
*Gambar 6. Halaman Daftar Status Hama*

2. Secara default sistem akan menampilkan seluruh data hama. Apabila data lebih dari 20, sistem akan menampilkan per 20 pelanggan dalam 1 halaman. Untuk melihat data pada halaman tertentu dapat dilakukan dengan meng-klik angka pada bagian bawah tabel, yang menandakan halaman data.

3. Jika diinginkan untuk menambah data, klik Tombol **Tambah Status Hama**, isikan data dan tekan Tombol **Simpan**

4. Jika diinginkan untuk melakukan pencarian status hama, masukkan bagian nama status hama pada kata kunci lalu tekan Tombol **Cari**.

5. Pada halaman ini juga dapat dilakukan proses edit status hama. Untuk melakukan edit, data status hama klik Link **Edit** pada baris data status hama yang ingin diedit, sistem akan menampilkan halaman edit status hama seperti tampak pada Gambar 7. Masukkan data baru lalu tekan Tombol **Simpan**

*Gambar 7. Halaman Edit Data Status Hama*

6. Untuk melakukan penghapusan data Status Hama, klik Link **Delete** pada baris data Status Hama yang ingin dihapus. Data Status Hama yang dapat dihapus adalah data Status Hama yang tidak dirujuk pada data hama.

## Bagian Tumbuhan

Menu **Bagian Tumbuhan** digunakan untuk mengelola data Bagian Tumbuhan yang akan digunakan dalam mengelola hama. Untuk melihat daftar Bagian Tumbuhan lakukan langkah-langkah sebagai berikut:

1. Dari Panel **Master** klik Menu **Bagian Tumbuhan**, sistem akan menampilkan Halaman **Daftar Bagian Tumbuhan** seperti tampak pada Gambar 8
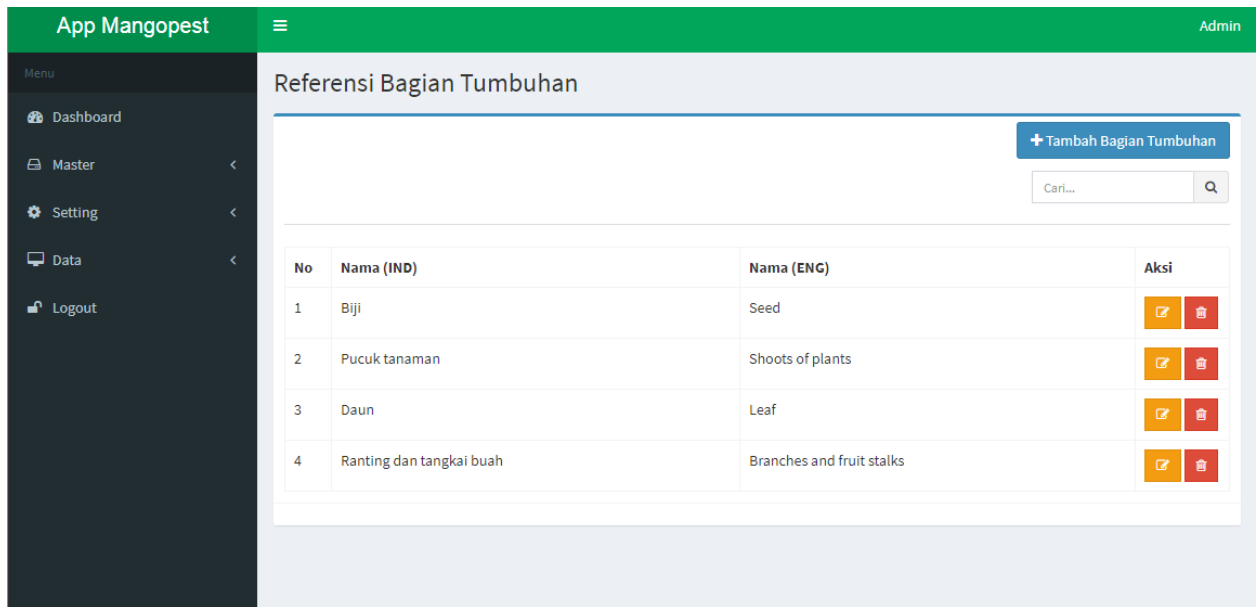
*Gambar 8. Halaman Daftar Bagian Tumbuhan*

2. Secara default sistem akan menampilkan seluruh data hama. Apabila data lebih dari 20, sistem akan menampilkan per 20 pelanggan dalam 1 halaman. Untuk melihat data pada halaman tertentu dapat dilakukan dengan meng-klik angka pada bagian bawah tabel, yang menandakan halaman data.

3. Jika diinginkan untuk menambah data, klik Tombol **Tambah Bagian Tumbuhan**, isikan data dan tekan Tombol **Simpan**

4. Jika diinginkan untuk melakukan pencarian Bagian Tumbuhan, masukkan bagian nama Bagian Tumbuhan pada kata kunci lalu tekan Tombol **Cari**.

5. Pada halaman ini juga dapat dilakukan proses edit Bagian Tumbuhan. Untuk melakukan edit, data Bagian Tumbuhan klik Link **Edit** pada baris data Bagian Tumbuhan yang ingin diedit, sistem akan menampilkan halaman edit Bagian Tumbuhan seperti tampak pada Gambar 9. Masukkan data baru lalu tekan Tombol **Simpan**
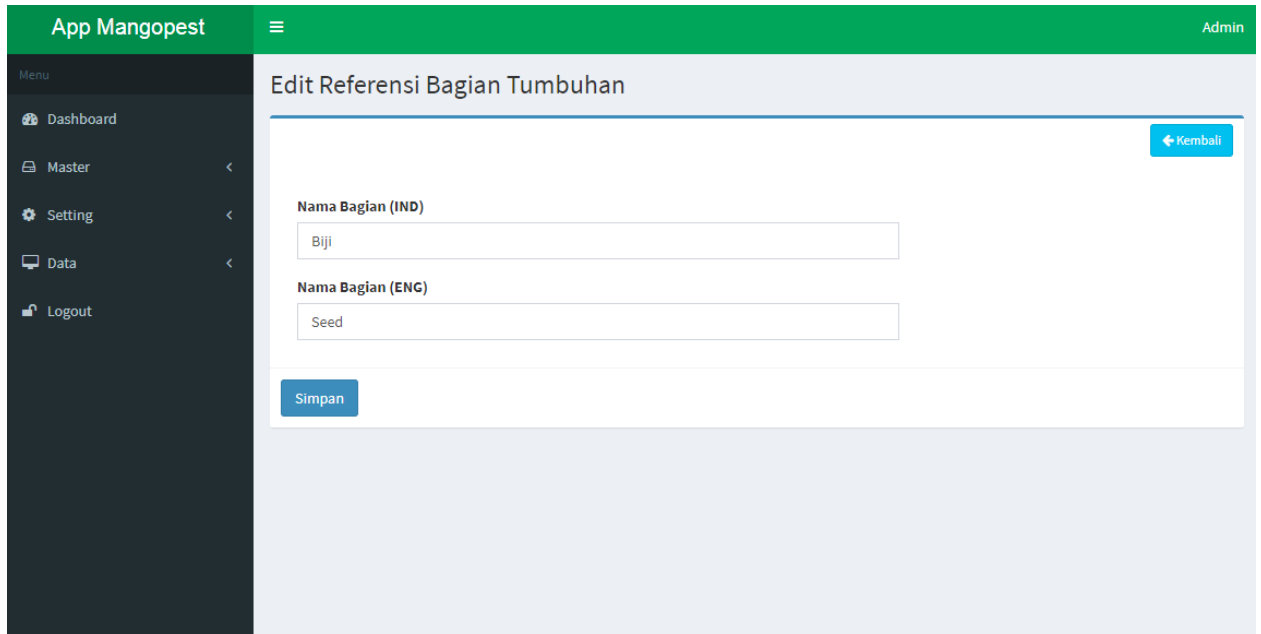
*Gambar 9. Halaman Edit Data Bagian Tumbuhan*

6. Untuk melakukan penghapusan data Bagian Tumbuhan, klik Link **Delete** pada baris data Bagian Tumbuhan yang ingin dihapus. Data Bagian Tumbuhan yang dapat dihapus adalah data Bagian Tumbuhan yang tidak dirujuk pada data hama.

## DATA

Data merupakan bagian utama dari MPI's Knowledge Management. Ada beberapa menu yang dapat dikelola pada Menu **Data**, yaitu: Hama, Log Identifikasi dan Statistik.

### Hama

Menu **Hama** digunakan untuk mengelola data Hama yang akan digunakan dalam mengelola hama. Untuk melihat daftar Hama lakukan langkah-langkah sebagai berikut:
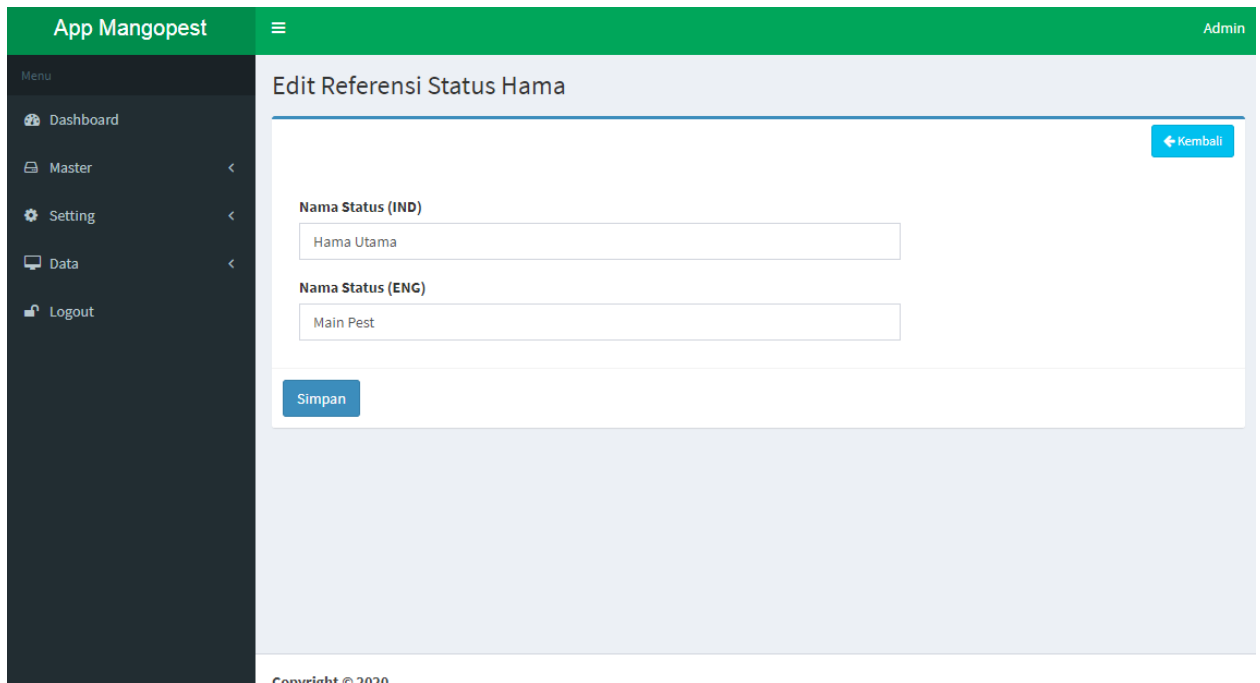
1. Dari Menu **Data** klik Menu Hama, sistem akan menampilkan Halaman **Daftar Hama** seperti tampak pada Gambar 10

*Gambar 10. Halaman Daftar Hama*

2. Secara default sistem akan menampilkan seluruh data hama. Apabila data lebih dari 20, sistem akan menampilkan per 20 pelanggan dalam 1 halaman. Untuk melihat data pada halaman tertentu dapat dilakukan dengan meng-klik angka pada bagian bawah tabel, yang menandakan halaman data.

3. Jika diinginkan untuk menambah data, klik Tombol **Tambah Hama**, isikan data dan tekan Tombol **Simpan**

4. Jika diinginkan untuk melakukan pencarian Hama, masukkan bagian nama Hama pada kata kunci lalu tekan Tombol **Cari**.

5. Pada halaman ini juga dapat dilakukan proses edit Hama. Untuk melakukan edit, data Hama klik Link **Edit** pada baris data Hama yang ingin diedit, sistem akan menampilkan halaman edit Hama seperti tampak pada Gambar 11 dan Gambar 12. Masukkan data baru lalu tekan Tombol **Simpan**

*Gambar 11. Halaman Edit Data Hama*

*Gambar 12. Halaman Edit Data Hama (Lanjutan)*

6. Untuk melakukan penghapusan data Hama, klik Link **Delete** pada baris data Hama yang ingin dihapus. Data Hama yang dapat dihapus adalah data Hama yang tidak dirujuk pada data hama.

## Log Identifikasi

Menu **Log Identifikasi** digunakan untuk mengelola data log identifikasi yang dilakukan oleh pengguna aplikasi MPI. Pengelolaan yang dimaksud adalah mengidentifikasi apakah data identifikasi menggunakan data gambar valid atau tidak. Untuk melihat daftar Log Identifikasi lakukan langkah-langkah sebagai berikut:

1. Dari Menu **Data** klik **Log Identifikasi**, sistem akan menampilkan Halaman **Log Identifikasi** seperti tampak pada Gambar 13

Gambar 13. Halaman Log Identifikasi

2. Secara default daftar log akan ditampilkan semua dari awal bulan s.d tanggal saat pencarian. Pencarian dapat diganti dengan mengganti filter hama, status approve dan tanggal identifikasi lalu tekan Tombol **Cari**

3. Untuk memberikan status valid atau tidak, contreng pada item log, lalu tekan Tombol **Ya** untuk Valid dan **Tidak** untuk Tidak Valid.

## Statistik Identifikasi

Menu **Statistik Identifikasi** digunakan untuk menampilkan statistik identifikasi hama mangga yang dilakukan melalui aplikasi MPI. Untuk melihat statistik lakukan langkah-langkah sebagai berikut:

1. Dari Menu **Data** klik **Statistik Identifikasi**, sistem akan menampilkan Halaman **Statistik Identifikasi** seperti tampak pada Gambar 14

Gambar 14. Halaman Statistik Identifikasi

2. Pengguna dapat menetukan filter dan data yang akan ditampilkan pada **Statistik Identifikasi.** **Tampilan Statistik Identifikasi** seperti tampak pada Gambar 15 dan Gambar 16.

| No | Nama Hama | Bulan Tahun | Jumlah | Persentase |
|---|---|---|---|---|
| 1 | Ulat Kantung Kerucut | 08-2020 | 89 | 16.64 |
| 2 | Ulat Kantung Kerucut | 09-2020 | 64 | 11.96 |
| 3 | Kutu Biru | 09-2020 | 45 | 8.41 |
| 4 | Normal | 09-2020 | 30 | 5.61 |
| 5 | Kepik Mictis, Kepik Mangga | 08-2020 | 29 | 5.42 |
| 6 | Ulat Kantung Kerucut | 10-2020 | 25 | 4.67 |
| 7 | Kepik Mictis, Kepik Mangga | 09-2020 | 16 | 2.99 |
| 8 | Normal | 08-2020 | 15 | 2.8 |
| 9 | Kutu Biru | 08-2020 | 15 | 2.8 |
| 10 | Kepik Mictis, Kepik Mangga | 10-2020 | 14 | 2.62 |
| 11 | Normal | 10-2020 | 14 | 2.62 |

Gambar 15. Halaman Statistik Identifikasi
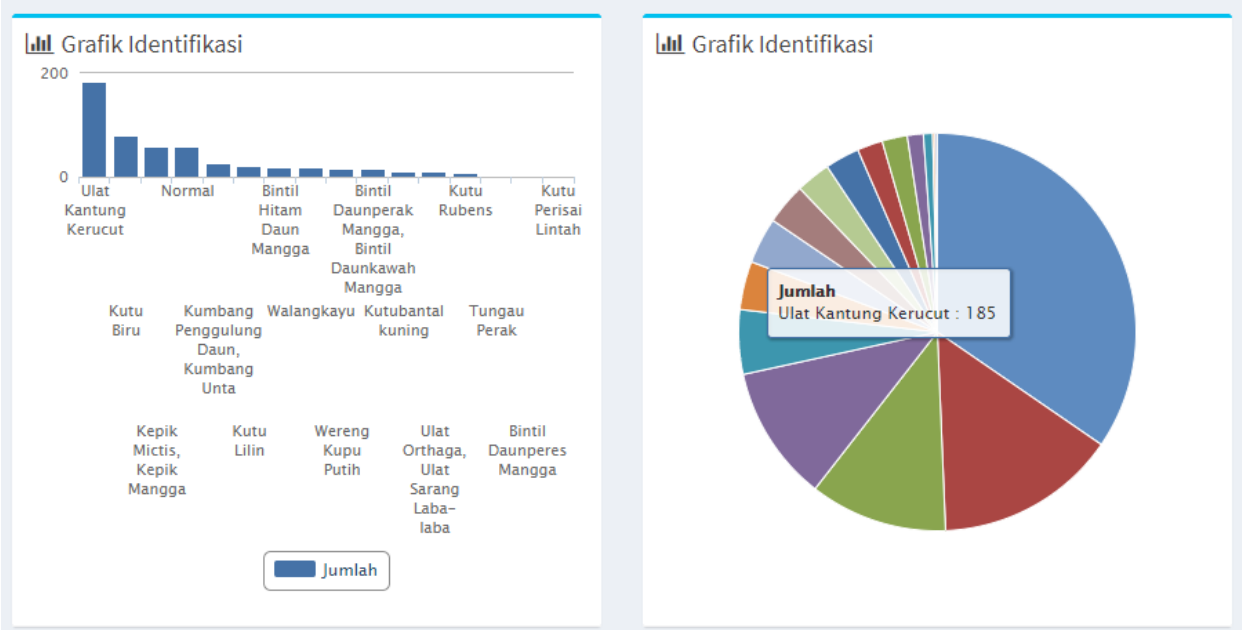


Gambar 16. Halaman Statistik Identifikasi (Lanjutan)

## KODE PROGRAM

Berikut adalah kode program untuk proses pengiriman data image ke API melalui mobile apps :

## 1. Modul Dashboard Admin

File /application/controller/Home.php

```php
<?php
defined('BASEPATH') OR exit('No direct script access allowed');

class Home extends CI_Controller {
    function __construct() {
        parent::__construct();
      $this->load->model(array('M_account','M_hama','M_identifikasi'));
        $this->isLogin();
      date_default_timezone_set('Asia/Jakarta');
    }
    function isLogin(){
      $login=$this->session->userdata('isLogin');
      if(! isset($login)||$login != true){
            $this->session->set_flashdata('error_login', 'Untuk Mengakses Admin Anda
Harus Login!');
            redirect('login');
      }
    }
```

```php
    public function index(){
        $data['main_view']='home/main_view';

        $data['jml_hama']=$this->M_hama->count_all_num_rows();
        $data['list_stat']=$this->M_identifikasi->get_statistik_home();//$this-
>M_spesies->jumlah_sub_spesies();
        $this->load->view('template',$data);

    }

    function view_profile(){
        $id_user=$this->session->userdata('user_id');
        $data['detail']=$this->M_account->detail_data($id_user);
        $data['main_view']='home/view_profile';
        $this->load->view('template',$data);
    }

    function edit_profil(){
        $id_user=$this->session->userdata('user_id');
        $data['detail']=$this->M_account->detail_data($id_user);
        $data['main_view']='home/view_edit_profile';
        $data['proses']='home/simpan_profile';
        $this->load->view('template',$data);
    }

    function simpan_profile(){
        $pass_baru   = $this->input->post('pass_baru');
        $pass_lama   = $this->input->post('pass_lama');
        $konf_pass   = $this->input->post('konf_pass');
        $nama    = $this->input->post('nama');
        $email   = $this->input->post('email');

        $id    = $this->input->post('id');

        $this->form_validation->set_rules('pass_baru','Password Baru','required');
        $this->form_validation->set_rules('konf_pass','Konfirmasi
Password','matches[pass_baru]');
        $this->form_validation->set_message('required','%s harus diisi');
        $this->form_validation->set_message('matches','%s harus sama');
        $this->form_validation->set_message('is_natural','%s harus angka');
        if($this->form_validation->run()==false){
            $this->edit_profil();
        }else{
            $cek_pass=$this->M_account->cek_pass($pass_lama,$id);
            if($cek_pass==true){

    $arr_data=array('password'=>md5($pass_baru),'display_name'=>$nama,'email'=>$em
ail);
                $update=$this->M_account->update_data($id,$arr_data);
                if($update){
                    $this->session->set_flashdata('pesan', 'Password Sukses
Diupdate');
                    redirect('home/edit_profil');
                }
```

```
            }else{
                    $this->session->set_flashdata('pesan', 'Password Lama Salah');
                            redirect('home/edit_profil');
            }

        }
    }
}
```

File /application/view/home/main_view.php

```
<script src="<?php echo base_url();
?>assets/js/highcharts/highcharts.js"></script>
<script src="<?php echo base_url(); ?>assets/js/highcharts/jquery.highchartTable-
min.js"></script>
<script type="text/javascript">
$(document).ready(function() {
  $('#chart_hama').highchartTable();
});

</script>
<section class="content-header">
      <h1>
        Dashboard
      </h1>
    <!-- Main content -->
    <section class="content">

     <div class="row">
        <div class="col-lg-3 col-xs-6">
          <!-- small box -->
          <div class="small-box bg-aqua">
            <div class="inner">
              <h3><?php echo $jml_hama;?></h3>

              <p>Jumlah Hama</p>
            </div>
            <div class="icon">
              <i class="ion ion-bag"></i>
            </div>
          </div>
        </div>


        <!-- ./col -->
      </div>

    <div class="row">
        <!-- Left col -->
        <div class="col-md-12">
         <div class="box box-info">
                <div class="box-header with-border">
```

```
            <i class="fa fa-bar-chart-o"></i><h3 class="box-title">Grafik
Identifikasi Hama 5 Terbesar</h3>

                    <div style="width:95%;" id="tabel_hama"></div>
                    <table id="chart_hama" class="highchart" data-graph-
container="#tabel_hama"  data-graph-type="column" style="display:none" data-
graph-xaxis-max="<?php echo (count($list_stat)-1);?>">
                            <thead>
                                    <tr>
                                            <th>Nama Hama</th>
                                            <th>Jumlah</th>


                                    </tr>
                            </thead>
                            <tbody>
                            <?php
                            if(!empty($list_stat)){
                                    foreach($list_stat as $val){


                            ?>
                                    <tr>
                                            <td><?php echo $val['nama_hama']?></td>
                                            <td><?php echo $val['jumlah']?></td>
                                    </tr>
                            <?php
                                    }
                            }
                            ?>
                            </tbody>
                    </table>
                </div>
        </div>
        </div>
    </div>


        </section>
```

File /application/view/template.php

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <title>Aplikasi Mangopest</title>
  <!-- Tell the browser to be responsive to screen width -->
  <meta content="width=device-width, initial-scale=1, maximum-scale=1, user-
scalable=no" name="viewport">
  <!-- jQuery 2.2.0 -->
<script src="<?php echo base_url(); ?>assets/plugins/jQuery/jQuery-
2.2.0.min.js"></script>
```

```html
<script src="<?php echo base_url(); ?>assets/plugins/jQueryUI/jquery-
ui.min.js"></script>
<!-- Bootstrap 3.3.6 -->
<script src="<?php echo base_url();
?>assets/bootstrap/js/bootstrap.min.js"></script>

<script src="<?php echo base_url();
?>assets/plugins/select2/select2.full.min.js"></script>
<link href="<?php echo base_url(); ?>assets/plugins/select2/select2.min.css"
rel="stylesheet" type="text/css" />
<!-- AdminLTE App -->
<script src="<?php echo base_url(); ?>assets/js/app.min.js"></script>
<!-- AdminLTE for demo purposes -->
<script src="<?php echo base_url(); ?>assets/js/demo.js"></script>

<script src="<?php echo base_url();
?>assets/plugins/iCheck/icheck.min.js"></script>
  <!-- Bootstrap 3.3.6 -->
  <link rel="stylesheet" href="<?php echo base_url();
?>assets/bootstrap/css/bootstrap.min.css">
   <link rel="stylesheet" href="<?php echo base_url();
?>assets/plugins/iCheck/all.css">
  <!-- Font Awesome -->
  <link rel="stylesheet" href="<?php echo base_url(); ?>assets/css/font-
awesome.min.css">
  <!-- Ionicons -->
  <link rel="stylesheet" href="<?php echo base_url();
?>assets/css/ionicons.min.css">
  <!-- Theme style -->
  <link rel="stylesheet" href="<?php echo base_url();
?>assets/css/AdminLTE.min.css">
  <script src="<?php echo base_url(); ?>assets/plugins/datepicker/bootstrap-
datepicker.js" type="text/javascript"></script>
          <script src="<?php echo base_url();
?>assets/plugins/daterangepicker/daterangepicker.js"
type="text/javascript"></script>
          <script src="<?php echo base_url();
?>assets/plugins/ckeditor/ckeditor.js" type="text/javascript"></script>
  <link href="<?php echo base_url(); ?>assets/plugins/datepicker/datepicker3.css"
rel="stylesheet" type="text/css" />
  <link href="<?php echo base_url();
?>assets/plugins/daterangepicker/daterangepicker-bs3.css" rel="stylesheet"
type="text/css" />

  <!-- AdminLTE Skins. Choose a skin from the css/skins
       folder instead of downloading all of them to reduce the load. -->
  <link rel="stylesheet" href="<?php echo base_url(); ?>assets/css/skins/_all-
skins.min.css">

  <!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and media queries
-->
  <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
  <!--[if lt IE 9]>
  <script src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></script>
  <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
```

```html
  <![endif]-->
</head>
<body class="hold-transition skin-green sidebar-mini">
<!-- Site wrapper -->
<div class="wrapper">

  <header class="main-header">
    <!-- Logo -->
    <a href="<?php echo site_url('home')?>" class="logo">
      <!-- mini logo for sidebar mini 50x50 pixels -->
      <span class="logo-mini">P</span>
      <!-- logo for regular state and mobile devices -->
      <span class="logo-lg">App Mangopest</span>
    </a>
    <!-- Header Navbar: style can be found in header.less -->
    <nav class="navbar navbar-static-top">
      <!-- Sidebar toggle button-->
      <a href="#" class="sidebar-toggle" data-toggle="offcanvas" role="button">
        <span class="sr-only">Toggle navigation</span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </a>

      <div class="navbar-custom-menu">
        <ul class="nav navbar-nav">
       <?php
     $_this = & get_Instance();
  $group=$_this->session->userdata('nama_group');
  $nama_user=$_this->session->userdata('display_name');
     ?>


          <!-- User Account: style can be found in dropdown.less -->
          <li class="dropdown user user-menu">
            <a href="#" class="dropdown-toggle" data-toggle="dropdown">

              <span class="hidden-xs"><?php echo $nama_user;?></span>
            </a>
            <ul class="dropdown-menu">

                <li class="user-header">
                <img src="<?php echo base_url(); ?>assets/img/default.jpg"
class="img-circle" alt="User Image">

                <p>
                  <?php echo $nama_user;?>
                  <small><?php echo $group;?></small>
                </p>
              </li>

                <!-- Menu Footer-->
                <li class="user-footer">
                    <div class="pull-left">
```

```html
                <a href="<?php echo site_url('home/view_profile');?>"
class="btn btn-default btn-flat">Profil</a>
                </div>

                <div class="pull-right">
                  <a href="<?php echo site_url('login/logout');?>" class="btn
btn-default btn-flat">Sign out</a>
                </div>
              </li>
            </ul>
          </li>
          <!-- Control Sidebar Toggle Button -->

        </ul>
      </div>
    </nav>
</header>

  <!-- ============================================== -->

  <!-- Left side column. contains the sidebar -->
  <aside class="main-sidebar">
    <!-- sidebar: style can be found in sidebar.less -->
    <section class="sidebar">

      <!-- sidebar menu: : style can be found in sidebar.less -->
      <ul class="sidebar-menu">
        <li class="header">Menu</li>
        <li class="treeview">
          <a href="<?php echo site_url('home')?>">
            <i class="fa fa-dashboard"></i> <span>Dashboard</span>
          </a>


        </li>
         <?php
         cetak_menu();
         ?>
         <!--
         <li class="treeview">
          <a href="#">
            <i class="fa fa-laptop"></i>
            <span>Master</span>
            <i class="fa fa-angle-left pull-right"></i>
          </a>
          <ul class="treeview-menu">
            <li><a href="<?php echo site_url('master_account')?>"><i class="fa
fa-circle-o"></i> Account</a></li>
            <li><a href="<?php echo site_url('master_satuan')?>"><i class="fa fa-
circle-o"></i> Satuan</a></li>
            <li><a href="<?php echo site_url('master_rekening')?>"><i class="fa
fa-circle-o"></i> Rekening</a></li>
            <li><a href="<?php echo site_url('master_jenis_pelanggan')?>"><i
class="fa fa-circle-o"></i> Jenis Pelanggan</a></li>
```

```php
            <li><a href="<?php echo site_url('master_pelanggan')?>"><i class="fa
fa-circle-o"></i> Pelanggan</a></li>
            <li><a href="<?php echo site_url('master_supplier')?>"><i class="fa
fa-circle-o"></i> Supplier</a></li>
            <li><a href="<?php echo site_url('master_barang')?>"><i class="fa fa-
circle-o"></i> Barang</a></li>

          </ul>
        </li>
        <li class="treeview">
          <a href="#">
            <i class="fa fa-edit"></i> <span>Penjualan</span>
            <i class="fa fa-angle-left pull-right"></i>
          </a>
          <ul class="treeview-menu">
            <li><a href="<?php echo site_url('trans_penjualan/tambah')?>"><i
class="fa fa-circle-o"></i> Transaksi</a></li>
            <li><a href="<?php echo site_url('trans_penjualan')?>"><i class="fa
fa-circle-o"></i> Laporan Penjualan</a></li>
            <li><a href="<?php echo site_url('retur_penjualan')?>"><i class="fa
fa-circle-o"></i> Retur Penjualan</a></li>
          </ul>
        </li>
         <li class="treeview">
          <a href="#">
            <i class="fa fa-desktop"></i> <span>Pembelian</span>
            <i class="fa fa-angle-left pull-right"></i>
          </a>
          <ul class="treeview-menu">
            <li><a href="<?php echo site_url('trans_pembelian/tambah')?>"><i
class="fa fa-circle-o"></i> Transaksi</a></li>
            <li><a href="<?php echo site_url('trans_pembelian')?>"><i class="fa
fa-circle-o"></i> Laporan Pembelian</a></li>
            <li><a href="<?php echo site_url('retur_pembelian')?>"><i class="fa
fa-circle-o"></i> Retur Pembelian</a></li>
          </ul>
        </li>
          -->
      <li class="treeview">
          <a href="<?php echo site_url('login/logout')?>">
            <i class="fa fa-unlock"></i> <span>Logout</span>
          </a>


        </li>

      </ul>
    </section>
    <!-- /.sidebar -->
  </aside>

  <!-- ============================================= -->

  <!-- Content Wrapper. Contains page content -->
  <div class="content-wrapper">
```

```
    <!-- Content Header (Page header) -->
    <?php
                            $this->load->view($main_view);
                    ?>
    <!-- /.content -->
  </div>
  <!-- /.content-wrapper -->

  <footer class="main-footer">
    <div class="pull-right hidden-xs">

    </div>
    <strong>Copyright &copy; <?php echo date('Y')?> </strong>
  </footer>

  <!-- Add the sidebar's background. This div must be placed
       immediately after the control sidebar -->
  <div class="control-sidebar-bg"></div>
</div>
<!-- ./wrapper -->
<script type="text/javascript">
function cek_file_img(nama_file){
        str=document.getElementById(nama_file).value.toUpperCase();
          var size=512000;
        var file_size=document.getElementById(nama_file).files[0].size;

        //alert('tes');
        suffix=".JPG";
        suffix2=".PNG";
        suffix3=".GIF";
        suffix4=".JPEG";
        if((!(str.indexOf(suffix, str.length - suffix.length) !== -1||
            str.indexOf(suffix2, str.length - suffix2.length) !== -1||
            str.indexOf(suffix4, str.length - suffix4.length) !== -1||
                str.indexOf(suffix3, str.length - suffix3.length) !== -1)||
file_size>=size) && (str != "")){
        alert('Tipe File tidak boleh,\nTipe File yang boleh : *.jpg,*.jpeg,*.png
dan *.gif\nMaksimal Ukuran File 500KB');
                document.getElementById(nama_file).value='';
            return false;
        }else{
                return true;
         }
 }
</script>

</body>
</html>
```

## 2. Modul Menu Hama

File /application/controller/Hama.php

```
<?php
```

```php
defined('BASEPATH') OR exit('No direct script access allowed');
class Hama extends CI_Controller {
    function __construct() {
        parent::__construct();
        $this->isLogin();
        $this->num_post=20;
        $this->load->model(array('M_hama'));
    }

    function isLogin(){
        $login=$this->session->userdata('isLogin');
        if(! isset($login)||$login != true){
            $this->session->set_flashdata('error_login', 'Untuk Mengakses
Admin Anda Harus Login!');
            redirect('login');
        }
    }

    function search_data($offset = 0){
        $data['main_view']='hama/main_view';

        $uri_segment = 3;

        if($offset != 0){
            $offset = $this->uri->segment($uri_segment);
        }else{
            $offset=$offset;
        }
        if(isset($_POST['search'])){
            $data['param_search'] = $this->input->post('search_text');
            $this->session->set_userdata('param_search',
$data['param_search']);
        } else {
            $data['param_search'] = $this->session->userdata('param_search');
        }
        $data['list'] = $this->M_hama-
>get_data_search($data['param_search'],$this->num_post, $offset);

        $data['offset']=$offset;
        $num_rows = $this->M_hama->count_row_search($data['param_search']);
        if($num_rows>0){
            // Membuat pagination
            $config['base_url'] = base_url().'hama/search_data';
            $config['cur_tag_open'] = '<li class=active><a href="#">';
            $config['cur_tag_close'] = '<span class="sr-
only">(current)</span></a></li>';
            $config['num_tag_open'] = '<li>';
            $config['num_tag_close'] = '</li>';
            $config['prev_link'] = '<';
            $config['prev_tag_open'] = '<li>';
            $config['prev_tag_close'] = '</li>';
            $config['next_link'] = '>';
            $config['next_tag_open'] = '<li>';
            $config['next_tag_close'] = '</li>';
            //buat last
```

```php
            $config['last_tag_open'] = '<li>';
            $config['last_tag_close'] = '</li>';
            $config['last_link'] = '>>';
            //buat first
            $config['first_tag_open'] = '<li>';
            $config['first_tag_close'] = '</li>';
            $config['first_link'] = '<<';
            $config['total_rows'] = $num_rows;
            $config['per_page'] = $this->num_post;
            $config['uri_segment'] = $uri_segment;
            $this->pagination->initialize($config);
            $data['pagination'] = $this->pagination->create_links();
        }
        $this->load->view('template',$data);
    }


    public function index($offset = 0){
        //echo 'ini kategori';exit;
        $data['main_view']='hama/main_view';
        $uri_segment = 3;

        if($offset != 0){
            $offset = $this->uri->segment($uri_segment);
        }else{
            $offset=$offset;
        }
        $data['list'] = $this->M_hama->get_data($this->num_post, $offset);


        $data['offset']=$offset;
        $num_rows = $this->M_hama->count_all_num_rows();
        if($num_rows>0){
            // Membuat pagination
            $config['base_url'] = base_url().'hama/index';
            $config['cur_tag_open'] = '<li class=active><a href="#">';
            $config['cur_tag_close'] = '<span class="sr-
only">(current)</span></a></li>';
            $config['num_tag_open'] = '<li>';
            $config['num_tag_close'] = '</li>';
            $config['prev_link'] = '<';
            $config['prev_tag_open'] = '<li>';
            $config['prev_tag_close'] = '</li>';
            $config['next_link'] = '>';
            $config['next_tag_open'] = '<li>';
            $config['next_tag_close'] = '</li>';
            //buat last
            $config['last_tag_open'] = '<li>';
            $config['last_tag_close'] = '</li>';
            $config['last_link'] = '>>';
            //buat first
            $config['first_tag_open'] = '<li>';
            $config['first_tag_close'] = '</li>';
            $config['first_link'] = '<<';
```

```php
                $config['total_rows'] = $num_rows;
                $config['per_page'] = $this->num_post;
                $config['uri_segment'] = $uri_segment;
                $this->pagination->initialize($config);
                $data['pagination'] = $this->pagination->create_links();
        }
        $this->load->view('template',$data);
    }



    public function add(){
        $data['main_view']='hama/view_add';
        $status=$this->M_hama->get_all_status();
        $data['list_status']=array();
        if(!empty($status)){
                foreach($status as $val){

    $data['list_status'][$val['pest_status_id']]=$val['pest_status_name_ind'];
                }
        }

        $bagian=$this->M_hama->get_all_bagian();
        $data['list_bagian']=array();
        if(!empty($bagian)){
                foreach($bagian as $val){

    $data['list_bagian'][$val['plant_part_id']]=$val['plant_part_name_ind'];
                }
        }

        $data['arr_mikro']=array('Y'=>'Ya','N'=>'Tidak');
        $kombo_mikro="";
        if(!empty($data['arr_mikro'])){
                foreach($data['arr_mikro'] as $key=>$row){
                        $data['mikro'][$key]=$row;
                        $kombo_mikro.='<option value="'.$key.'">'.(string)
$row.'</option>';
                }
        }
        $data['kombo_mikro']=$kombo_mikro;

        $data['proses']='hama/process_add';
        $this->load->view('template',$data);
    }

    function process_add(){
        $nama     = $this->input->post('nama');
        $nama_eng    = $this->input->post('nama_eng');
        $nama_latin   = $this->input->post('nama_latin');
        $id_status   = $this->input->post('id_status');
        $id_bagian   = $this->input->post('id_bagian');
        $deskripsi   = $this->input->post('deskripsi');
        $deskripsi_eng   = $this->input->post('deskripsi_eng');
        $main_image   = $this->input->post('main_image');
```

```php
        $model_name    = $this->input->post('model_name');

        $this->form_validation->set_rules('nama','Nama','required');
        $this->form_validation->set_message('required','%s harus diisi');
        $this->form_validation->set_message('is_natural','%s harus angka');
        if($this->form_validation->run()==false){
                $this->add();
        }else{
                if(!empty($_FILES['foto_utama']['name'])){
                        $this->load->helper('string');
                        $this->load->helper('url');

                        $random_id = random_string('nozero', 5);

                        $new_file =
url_title(pathinfo($_FILES['foto_utama']['name'], PATHINFO_FILENAME), '-', TRUE)
. '-' . $random_id . '.' . pathinfo($_FILES['foto']['name'], PATHINFO_EXTENSION);

                        $config = array(
                                'allowed_types'=>'jpg|jpeg|gif|png',
                                'encrypt_name' => FALSE,
                                'overwrite' => FALSE,
                                'remove_spaces' => TRUE,
                                //'file_name' => $new_file,
                                'upload_path' => $this->config-
>item('cdn_foto_hama_path') . '/',
                                'max_size' => 2000);

                        $this->load->library('upload',$config);
                        $status_upload=$this->upload->do_upload('foto_utama');
                        $image_data = $this->upload->data();

                        $nama_gambar=$image_data['file_name'];
                        @unlink($this->config->item('cdn_foto_hama_path') .$this-
>input->post('tmp_gambar'));
                        //resize gambar
                        $nama_img=$image_data['file_name'];
                        $config = array(
                                                'source_image'=>
$image_data['full_path'],
                                                'new_image'=>$this->config-
>item('cdn_foto_hama_path') . '/thumbs',
                                                'maintain_ration'=>true,
                                                'width'=>512,
                                                'height'=>512);
                        $this->load->library('image_lib');
                        $this->image_lib->initialize($config);
                        $this->image_lib->resize();
                        $this->image_lib->clear();
                }else{
                        $nama_gambar="";

                }
```

```php
    $arr_data=array('plant_part_id'=>$id_bagian,'pest_status_id'=>$id_status,'pest
_name_latin'=>$nama_latin,'pest_name_ind'=>$nama,

    'pest_name_eng'=>$nama_eng,'desc_ind'=>$deskripsi,'desc_eng'=>$deskripsi_eng,'
main_image'=>$nama_gambar,'model_name'=>$model_name);
                $insert=$this->M_hama->insert_data($arr_data);
                if($insert){
                        $id=$this->db->insert_id();

                        //start insert foto
                        $keterangan     = $this->input->post('keterangan');
                        $keterangan_eng    = $this->input->post('keterangan_eng');
                        $order    = $this->input->post('order');

                        $files = isset($_FILES['foto'])?$_FILES['foto']:'';
                        if(!empty($keterangan)){
                                $count=0;
                                foreach($keterangan as $key=>$val){
                                        //upload gambar
                                        if(!empty($files['name'][$count])){
                                                $this->load->helper('string');
                                                $this->load->helper('url');

                                                $random_id = random_string('nozero',
5);
                                                //echo 'nama file
'.$files['name'][$count].'<br>';
                                                $new_file =
strtolower(url_title(pathinfo($files['name'][$count], PATHINFO_FILENAME), '-',
TRUE) . '-' . $random_id);
                                                //echo 'file rename '.$new_file.'<br>';
                                                $_FILES['foto']['name'] =
$files['name'][$count];
                                                $_FILES['foto']['type'] =
$files['type'][$count];
                                                $_FILES['foto']['tmp_name'] =
$files['tmp_name'][$count];
                                                $_FILES['foto']['error'] =
$files['error'][$count];
                                                $_FILES['foto']['size'] =
$files['size'][$count];
                                                //print_r($_FILES['foto_lot']);
                                                $config = array(

    'allowed_types'=>'jpg|jpeg|gif|png',
                                                        'encrypt_name' => true,
                                                        'file_ext_tolower' => TRUE,
                                                        'overwrite' => FALSE,
                                                        'remove_spaces' => TRUE,
                                                        'upload_path' => $this->config-
>item('cdn_foto_path') . '/',

                                                        'max_size' => 2000);

                                                $this->load->library('upload',$config);
```

```php
                                                //$this->upload->initialize($config);
                                                $status_upload=$this->upload-
>do_upload('foto');

                                                $image_data = $this->upload->data();
                                                //print_r($image_data);
                                                //resize gambar
                                                $nama_img=$image_data['file_name'];
                                                $config = array(
                                                                'source_image'=>
$image_data['full_path'],
                                                                'new_image'=>$this-
>config->item('cdn_foto_path') . '/thumbs',

    'maintain_ration'=>true,
                                                                'width'=>512,
                                                                'height'=>512);
                                                $this->load->library('image_lib');
                                                $this->image_lib->initialize($config);
                                                $this->image_lib->resize();
                                                $this->image_lib->clear();
                                        }else{
                                                $nama_img="";
                                        }
    $arr_foto=array('pest_id'=>$id,'image_desc_ind'=>$keterangan[$key],'image_desc
_eng'=>$keterangan_eng[$key],

    'order'=>$order[$key],'pest_image'=>$nama_img);
                                        $ins_pengalaman=$this->M_hama-
>insert_foto($arr_foto);

                                        $count++;
                                }
                        }

                //end insert foto

                //start insert karakteristik
                $karakteristik          = $this->input-
>post('karakteristik');
                $karakteristik_eng      = $this->input-
>post('karakteristik_eng');
                $order_karakteristik    = $this->input-
>post('order_karakteristik');
                $mikroskop              = $this->input-
>post('mikroskop');
                $berat                           = $this->input-
>post('berat');

                $files =
isset($_FILES['foto_karakteristik'])?$_FILES['foto_karakteristik']:'';

                if(!empty($karakteristik)){
                        $count=0;
                        foreach($karakteristik as $key=>$val){
                                //upload gambar
```

```php
if(!empty($files['name'][$count])){
    $this->load->helper('string');
    $this->load->helper('url');

    $random_id = random_string('nozero', 5);
    //echo 'nama file '.$files['name'][$count].'<br>';
    $new_file = strtolower(url_title(pathinfo($files['name'][$count], PATHINFO_FILENAME), '-', TRUE) . '-' . $random_id);
    //echo 'file rename '.$new_file.'<br>';
    $_FILES['foto_karakteristik']['name'] = $files['name'][$count];
    $_FILES['foto_karakteristik']['type'] = $files['type'][$count];

    $_FILES['foto_karakteristik']['tmp_name'] = $files['tmp_name'][$count];
    $_FILES['foto_karakteristik']['error'] = $files['error'][$count];
    $_FILES['foto_karakteristik']['size'] = $files['size'][$count];
    //print_r($_FILES['foto_lot']);
    $config = array(

    'allowed_types'=>'jpg|jpeg|gif|png',
                    'encrypt_name' => true,
                    'file_ext_tolower' => TRUE,
                    'overwrite' => FALSE,
                    'remove_spaces' => TRUE,
                    'upload_path' => $this->config->item('cdn_foto_karakteristik_path') . '/',
                    'max_size' => 2000);

    $this->load->library('upload',$config);
    //$this->upload->initialize($config);
    $status_upload=$this->upload->do_upload('foto_karakteristik');

    $image_data = $this->upload->data();
    //print_r($image_data);
    $nama_img=$image_data['file_name'];
    //resize gambar
    $nama_img=$image_data['file_name'];
    $config = array(
                    'source_image'=>$image_data['full_path'],
                    'new_image'=>$this->config->item('cdn_foto_karakteristik_path') . '/thumbs',

    'maintain_ration'=>true,
                    'width'=>512,
                    'height'=>512);
    $this->load->library('image_lib');
    $this->image_lib->initialize($config);
    $this->image_lib->resize();
```

```php
                                        $this->image_lib->clear();
                                }else{
                                        $nama_img="";
                                }

    $arr_karakteristik=array('pest_id'=>$id,'characteristic_ind'=>$karakteristik[$
key],'characteristic_eng'=>$karakteristik_eng[$key],

    'characteristic_order'=>$order_karakteristik[$key],'weight'=>$berat[$key],

    'need_microscope'=>$mikroskop[$key],'characteristic_image'=>$nama_img);

                                        $ins_pengalaman=$this->M_hama-
>insert_karakteristik($arr_karakteristik);
                                        $count++;
                                }
                        }
                        //end insert karakteristik

                        //start insert penanganan
                        $penanganan   = $this->input->post('penanganan');
                        $penanganan_eng   = $this->input->post('penanganan_eng');
                        $order_penanganan   = $this->input-
>post('order_penanganan');

                        $files =
isset($_FILES['foto_penanganan'])?$_FILES['foto_penanganan']:'';
                        if(!empty($penanganan)){
                                $count=0;
                                foreach($penanganan as $key=>$val){
                                        //upload gambar
                                        if(!empty($files['name'][$count])){
                                                $this->load->helper('string');
                                                $this->load->helper('url');

                                                $random_id = random_string('nozero',
5);
                                                //echo 'nama file
'.$files['name'][$count].'<br>';
                                                $new_file =
strtolower(url_title(pathinfo($files['name'][$count], PATHINFO_FILENAME), '-',
TRUE) . '-' . $random_id);
                                                //echo 'file rename '.$new_file.'<br>';
                                                $_FILES['foto_penanganan']['name'] =
$files['name'][$count];
                                                $_FILES['foto_penanganan']['type'] =
$files['type'][$count];
                                                $_FILES['foto_penanganan']['tmp_name']
= $files['tmp_name'][$count];
                                                $_FILES['foto_penanganan']['error'] =
$files['error'][$count];
                                                $_FILES['foto_penanganan']['size'] =
$files['size'][$count];
                                                //print_r($_FILES['foto_lot']);
                                                $config = array(
```

```php
	'allowed_types'=>'jpg|jpeg|gif|png',
                                               'encrypt_name' => true,
                                               'file_ext_tolower' => TRUE,
                                               'overwrite' => FALSE,
                                               'remove_spaces' => TRUE,
                                               'upload_path' => $this->config-
>item('cdn_foto_pengendalian_path') . '/',
                                               'max_size' => 2000);

                                         $this->load->library('upload',$config);
                                         //$this->upload->initialize($config);
                                         $status_upload=$this->upload-
>do_upload('foto_penanganan');

                                         $image_data = $this->upload->data();
                                         //print_r($image_data);
                                         $nama_img=$image_data['file_name'];
                                         //resize gambar
                                         $nama_img=$image_data['file_name'];
                                         $config = array(
                                                        'source_image'=>
$image_data['full_path'],
                                                        'new_image'=>$this-
>config->item('cdn_foto_pengendalian_path') . '/thumbs',

	'maintain_ration'=>true,
                                                        'width'=>512,
                                                        'height'=>512);
                                         $this->load->library('image_lib');
                                         $this->image_lib->initialize($config);
                                         $this->image_lib->resize();
                                         $this->image_lib->clear();
                                   }else{
                                         $nama_img="";
                                   }

	$arr_penanganan=array('pest_id'=>$id,'handling_ind'=>$penanganan[$key],'handli
ng_eng'=>$penanganan_eng[$key],

	'order'=>$order_penanganan[$key],'image'=>$nama_img);
                                         $ins_pengalaman=$this->M_hama-
>insert_penanganan($arr_penanganan);
                                         $count++;
                             }
                       }
                       //end insert penanganan
                       $this->session->set_flashdata('pesan', 'Data Sukses
Ditambah');

                       redirect('hama');
                 }
           }

     }

     function edit($id){
```

```php
        $data['main_view']='hama/view_edit';
        $data['proses']='hama/process_update';
        $status=$this->M_hama->get_all_status();
        $data['list_status']=array();
        if(!empty($status)){
                foreach($status as $val){

    $data['list_status'][$val['pest_status_id']]=$val['pest_status_name_ind'];
                }
        }

        $bagian=$this->M_hama->get_all_bagian();
        $data['list_bagian']=array();
        if(!empty($bagian)){
                foreach($bagian as $val){

    $data['list_bagian'][$val['plant_part_id']]=$val['plant_part_name_ind'];
                }
        }

        $data['arr_mikro']=array('Y'=>'Ya','N'=>'Tidak');
        $kombo_mikro="";
        if(!empty($data['arr_mikro'])){
                foreach($data['arr_mikro'] as $key=>$row){
                        $data['mikro'][$key]=$row;
                        $kombo_mikro.='<option value="'.$key.'">'.(string)
$row.'</option>';
                }
        }
        $data['kombo_mikro']=$kombo_mikro;

        $data['detail']=$this->M_hama->detail_data($id);
        $data['list_foto']=$this->M_hama->list_foto($id);
        $data['list_karakteristik']=$this->M_hama->list_karakteristik($id);
        $data['list_penanganan']=$this->M_hama->list_penanganan($id);
        $this->load->view('template',$data);
    }

    function detail($id){
        $data['main_view']='hama/view_detail';
        $data['detail']=$this->M_hama->detail_data($id);
        $data['list_foto']=$this->M_hama->list_foto($id);
        $data['list_karakteristik']=$this->M_hama->list_karakteristik($id);
        $data['list_penanganan']=$this->M_hama->list_penanganan($id);
        //echo "<pre>";
        //print_r($data['detail']);
        $this->load->view('template',$data);
    }

    function process_update(){
        $nama     = $this->input->post('nama');
        $nama_eng   = $this->input->post('nama_eng');
        $nama_latin   = $this->input->post('nama_latin');
        $id_status    = $this->input->post('id_status');
        $id_bagian    = $this->input->post('id_bagian');
```

```php
        $deskripsi    = $this->input->post('deskripsi');
        $deskripsi_eng   = $this->input->post('deskripsi_eng');
        $model_name   = $this->input->post('model_name');
        $main_image   = $this->input->post('main_image');
        $id    = $this->input->post('id');

        $this->form_validation->set_rules('nama','Nama','required');
        $this->form_validation->set_message('required','%s harus diisi');
        $this->form_validation->set_message('is_natural','%s harus angka');
        if($this->form_validation->run()==false){
                $this->edit($id);
        }else{
                if(!empty($_FILES['foto_utama']['name'])){
                        $this->load->helper('string');
                        $this->load->helper('url');

                        $random_id = random_string('nozero', 5);

                        $new_file =
url_title(pathinfo($_FILES['foto_utama']['name'], PATHINFO_FILENAME), '-', TRUE)
. '-' . $random_id . '.' . pathinfo($_FILES['foto']['name'], PATHINFO_EXTENSION);

                        $config = array(
                                'allowed_types'=>'jpg|jpeg|gif|png',
                                'encrypt_name' => FALSE,
                                'overwrite' => FALSE,
                                'remove_spaces' => TRUE,
                                //'file_name' => $new_file,
                                'upload_path' => $this->config-
>item('cdn_foto_hama_path') . '/',
                                'max_size' => 2000);

                        $this->load->library('upload',$config);
                        $status_upload=$this->upload->do_upload('foto_utama');
                        $image_data = $this->upload->data();

                        $nama_gambar=$image_data['file_name'];
                        @unlink($this->config->item('cdn_foto_hama_path') .$this-
>input->post('tmp_gambar'));
                        //resize gambar
                        $nama_img=$image_data['file_name'];
                        $config = array(
                                                'source_image'=>
$image_data['full_path'],
                                                'new_image'=>$this->config-
>item('cdn_foto_hama_path') . '/thumbs',
                                                'maintain_ration'=>true,
                                                'width'=>512,
                                                'height'=>512);
                        $this->load->library('image_lib');
                        $this->image_lib->initialize($config);
                        $this->image_lib->resize();
                        $this->image_lib->clear();
                }else{
                        $nama_gambar=$this->input->post('tmp_gambar');
```

```php
                }

    $arr_data=array('plant_part_id'=>$id_bagian,'pest_status_id'=>$id_status,'pest
_name_latin'=>$nama_latin,'pest_name_ind'=>$nama,

    'pest_name_eng'=>$nama_eng,'desc_ind'=>$deskripsi,'desc_eng'=>$deskripsi_eng,'
main_image'=>$nama_gambar,'model_name'=>$model_name);
                //echo "<pre>";
                //print_r($arr_data);
                $update=$this->M_hama->update_data($id,$arr_data);
                if($update){
                        // start edit foto
                        //insert foto
                        $keterangan    = $this->input->post('keterangan');
                        $keterangan_eng   = $this->input->post('keterangan_eng');
                        $order    = $this->input->post('order');


                        //edit foto
                        $id_foto    = $this->input->post('id_foto');
                        $keterangan_save    = $this->input-
>post('keterangan_save');
                        $keterangan_eng_save    = $this->input-
>post('keterangan_eng_save');
                        $order_save    = $this->input->post('order_save');
                        $file_foto_lama    = $this->input->post('file_foto_lama');

                        //hapus foto
                        $current_file=$this->M_hama->list_foto($id);
                        if(! empty($current_file)){
                                foreach ($current_file as $data_file){
                                        if (!in_array($data_file['id'], $id_foto)){
                                                $del_unit=$this->M_hama-
>delete_item_foto($data_file['id']);
                                                @unlink($this->config-
>item('cdn_foto_path') . '/'.$data_file['pest_image']);
                                        }
                                }
                        }

                        //update foto
                        $files =
isset($_FILES['file_foto_save'])?$_FILES['file_foto_save']:'';
                        if(!empty($id_foto)){
                                $count=0;
                                foreach($id_foto as $key=>$val){
                                        //upload gambar
                                        if(!empty($files['name'][$count])){
                                                $this->load->helper('string');
                                                $this->load->helper('url');

                                                $random_id = random_string('nozero',
5);
```

```php
                                                //echo 'nama file
'.$files['name'][$count].'<br>';
                                                $new_file =
strtolower(url_title(pathinfo($files['name'][$count], PATHINFO_FILENAME), '-',
TRUE) . '-' . $random_id);
                                                //echo 'file rename '.$new_file.'<br>';
                                                $_FILES['file_foto_save']['name'] =
$files['name'][$count];
                                                $_FILES['file_foto_save']['type'] =
$files['type'][$count];
                                                $_FILES['file_foto_save']['tmp_name'] =
$files['tmp_name'][$count];
                                                $_FILES['file_foto_save']['error'] =
$files['error'][$count];
                                                $_FILES['file_foto_save']['size'] =
$files['size'][$count];
                                                //print_r($_FILES['foto_lot']);
                                                $config = array(

    'allowed_types'=>'jpg|jpeg|gif|png',
                                                        'encrypt_name' => true,
                                                        'file_ext_tolower' => TRUE,
                                                        'overwrite' => FALSE,
                                                        'remove_spaces' => TRUE,
                                                        'upload_path' => $this->config-
>item('cdn_foto_path') . '/',
                                                        'max_size' => 2000);

                                                $this->load->library('upload',$config);
                                                $this->upload->initialize($config);
                                                $status_upload=$this->upload-
>do_upload('file_foto_save');

                                                $image_data = $this->upload->data();
                                                //print_r($image_data);
                                                $nama_img=$image_data['file_name'];
                                                @unlink($this->config-
>item('cdn_foto_path') .$file_foto_lama[$key]);
                                                //resize gambar
                                                $nama_img=$image_data['file_name'];
                                                $config = array(
                                                                'source_image'=>
$image_data['full_path'],
                                                                'new_image'=>$this-
>config->item('cdn_foto_path') . '/thumbs',

    'maintain_ration'=>true,
                                                                'width'=>512,
                                                                'height'=>512);
                                                $this->load->library('image_lib');
                                                $this->image_lib->initialize($config);
                                                $this->image_lib->resize();
                                                $this->image_lib->clear();
                                    }else{
                                                $nama_img=$file_foto_lama[$key];
```

```php
                                }

    $arr_foto=array('image_desc_ind'=>$keterangan_save[$key],'image_desc_eng'=>$ke
terangan_eng_save[$key],

    'order'=>$order_save[$key],'pest_image'=>$nama_img);
                                        $update_pengalaman=$this->M_hama-
>update_foto($val,$arr_foto);
                                        $count++;
                                }
                        }

                        $files = isset($_FILES['foto'])?$_FILES['foto']:'';
                        if(!empty($keterangan)){
                                $count=0;
                                foreach($keterangan as $key=>$val){
                                        //upload gambar
                                        if(!empty($files['name'][$count])){
                                                $this->load->helper('string');
                                                $this->load->helper('url');

                                                $random_id = random_string('nozero',
5);
                                                //echo 'nama file
'.$files['name'][$count].'<br>';
                                                $new_file =
strtolower(url_title(pathinfo($files['name'][$count], PATHINFO_FILENAME), '-',
TRUE) . '-' . $random_id);
                                                //echo 'file rename '.$new_file.'<br>';
                                                $_FILES['foto']['name'] =
$files['name'][$count];
                                                $_FILES['foto']['type'] =
$files['type'][$count];
                                                $_FILES['foto']['tmp_name'] =
$files['tmp_name'][$count];
                                                $_FILES['foto']['error'] =
$files['error'][$count];
                                                $_FILES['foto']['size'] =
$files['size'][$count];
                                                //print_r($_FILES['foto_lot']);
                                                $config = array(

    'allowed_types'=>'jpg|jpeg|gif|png',

                                                    'encrypt_name' => true,
                                                    'file_ext_tolower' => TRUE,
                                                    'overwrite' => FALSE,
                                                    'remove_spaces' => TRUE,
                                                    'upload_path' => $this->config-
>item('cdn_foto_path') . '/',

                                                    'max_size' => 2000);

                                                $this->load->library('upload',$config);
                                                //$this->upload->initialize($config);
                                                $status_upload=$this->upload-
>do_upload('foto');
```

```php
                                                $image_data = $this->upload->data();
                                                //print_r($image_data);
                                                $nama_img=$image_data['file_name'];
                                                //resize gambar
                                                $nama_img=$image_data['file_name'];
                                                $config = array(
                                                                'source_image'=>
$image_data['full_path'],
                                                                'new_image'=>$this-
>config->item('cdn_foto_path') . '/thumbs',

    'maintain_ration'=>true,

                                                                'width'=>512,
                                                                'height'=>512);
                                                $this->load->library('image_lib');
                                                $this->image_lib->initialize($config);
                                                $this->image_lib->resize();
                                                $this->image_lib->clear();
                                        }else{
                                                $nama_img="";
                                        }

    $arr_foto=array('pest_id'=>$id,'image_desc_ind'=>$keterangan[$key],'image_desc
_eng'=>$keterangan_eng[$key],

    'order'=>$order[$key],'pest_image'=>$nama_img);
                                        $ins_pengalaman=$this->M_hama-
>insert_foto($arr_foto);

                                        $count++;
                                }
                        }
                        // end edit foto

                        // start edit karakteristik
                        //insert karakteristik
                        $karakteristik          = $this->input-
>post('karakteristik');
                        $karakteristik_eng      = $this->input-
>post('karakteristik_eng');
                        $order_karakteristik    = $this->input-
>post('order_karakteristik');
                        $mikroskop              = $this->input-
>post('mikroskop');
                        $berat                          = $this->input-
>post('berat');

                        //edit karakteristik
                        $id_karakteristik  = $this->input-
>post('id_karakteristik');
                        $karakteristik_save    = $this->input-
>post('karakteristik_save');
                        $karakteristik_eng_save   = $this->input-
>post('karakteristik_eng_save');
                        $karakteristik_order_save   = $this->input-
>post('karakteristik_order_save');
```

```php
                            $berat_save    = $this->input->post('berat_save');
                            $mikroskop_save    = $this->input->post('mikroskop_save');
                            $file_foto_karakteristik_lama    = $this->input-
>post('file_foto_karakteristik_lama');

                        //hapus karakteristik
                        $current_file=$this->M_hama->list_karakteristik($id);
                        if(! empty($current_file)){
                                foreach ($current_file as $data_file){
                                        if (!in_array($data_file['id'],
$id_karakteristik)){
                                                $del_unit=$this->M_hama-
>delete_item_karakteristik($data_file['id']);
                                        }
                                }
                        }

                        //update karakteristik
                        $files =
isset($_FILES['file_foto_karakteristik_save'])?$_FILES['file_foto_karakteristik_s
ave']:'';
                        if(!empty($id_karakteristik)){
                                $count=0;
                                foreach($id_karakteristik as $key=>$val){
                                        //upload gambar
                                        if(!empty($files['name'][$count])){
                                                $this->load->helper('string');
                                                $this->load->helper('url');

                                                $random_id = random_string('nozero',
5);
                                                //echo 'nama file
'.$files['name'][$count].'<br>';
                                                $new_file =
strtolower(url_title(pathinfo($files['name'][$count], PATHINFO_FILENAME), '-',
TRUE) . '-' . $random_id);
                                                //echo 'file rename '.$new_file.'<br>';

   $_FILES['file_foto_karakteristik_save']['name'] = $files['name'][$count];

   $_FILES['file_foto_karakteristik_save']['type'] = $files['type'][$count];

   $_FILES['file_foto_karakteristik_save']['tmp_name'] =
$files['tmp_name'][$count];

   $_FILES['file_foto_karakteristik_save']['error'] = $files['error'][$count];

   $_FILES['file_foto_karakteristik_save']['size'] = $files['size'][$count];
                                                //print_r($_FILES['foto_lot']);
                                                $config = array(

   'allowed_types'=>'jpg|jpeg|gif|png',
                                                    'encrypt_name' => true,
                                                    'file_ext_tolower' => TRUE,
                                                    'overwrite' => FALSE,
```

```php
                                                    'remove_spaces' => TRUE,
                                                    'upload_path' => $this->config-
>item('cdn_foto_karakteristik_path') . '/',

                                                    'max_size' => 2000);

                                        $this->load->library('upload',$config);
                                        $this->upload->initialize($config);
                                        $status_upload=$this->upload-
>do_upload('file_foto_karakteristik_save');
                                        $image_data = $this->upload->data();
                                        //print_r($image_data);
                                        $nama_img=$image_data['file_name'];
                                        @unlink($this->config-
>item('cdn_foto_karakteristik_path') .$file_foto_karakteristik_lama[$key]);
                                        //resize gambar
                                        $nama_img=$image_data['file_name'];
                                        $config = array(
                                                        'source_image'=>
$image_data['full_path'],
                                                        'new_image'=>$this-
>config->item('cdn_foto_karakteristik_path') . '/thumbs',

    'maintain_ration'=>true,

                                                        'width'=>512,
                                                        'height'=>512);
                                        $this->load->library('image_lib');
                                        $this->image_lib->initialize($config);
                                        $this->image_lib->resize();
                                        $this->image_lib->clear();
                            }else{

    $nama_img=$file_foto_karakteristik_lama[$key];

                            }

    $arr_karakteristik=array('characteristic_ind'=>$karakteristik_save[$key],'char
acteristic_eng'=>$karakteristik_eng_save[$key],

    'characteristic_order'=>$karakteristik_order_save[$key],'weight'=>$berat_save[
$key],

    'need_microscope'=>$mikroskop_save[$key],'characteristic_image'=>$nama_img);
                                        $update_pengalaman=$this->M_hama-
>update_karakteristik($val,$arr_karakteristik);
                                        $count++;
                        }
                    }

                    $files =
isset($_FILES['foto_karakteristik'])?$_FILES['foto_karakteristik']:'';
                    if(!empty($karakteristik)){
                            $count=0;
                            foreach($karakteristik as $key=>$val){
                                    //upload gambar
                                    if(!empty($files['name'][$count])){
```

```php
$this->load->helper('string');
$this->load->helper('url');

$random_id = random_string('nozero', 5);
//echo 'nama file '.$files['name'][$count].'<br>';
$new_file = strtolower(url_title(pathinfo($files['name'][$count], PATHINFO_FILENAME), '-', TRUE) . '-' . $random_id);
//echo 'file rename '.$new_file.'<br>';
$_FILES['foto_karakteristik']['name'] = $files['name'][$count];
$_FILES['foto_karakteristik']['type'] = $files['type'][$count];

$_FILES['foto_karakteristik']['tmp_name'] = $files['tmp_name'][$count];
$_FILES['foto_karakteristik']['error'] = $files['error'][$count];
$_FILES['foto_karakteristik']['size'] = $files['size'][$count];
//print_r($_FILES['foto_lot']);
$config = array(

'allowed_types'=>'jpg|jpeg|gif|png',

'encrypt_name' => true,
'file_ext_tolower' => TRUE,
'overwrite' => FALSE,
'remove_spaces' => TRUE,
'upload_path' => $this->config->item('cdn_foto_karakteristik_path') . '/',

'max_size' => 2000);

$this->load->library('upload',$config);
//$this->upload->initialize($config);
$status_upload=$this->upload->do_upload('foto_karakteristik');

$image_data = $this->upload->data();
//print_r($image_data);
$nama_img=$image_data['file_name'];

//resize gambar

$nama_img=$image_data['file_name'];
$config = array(
'source_image'=>$image_data['full_path'],
'new_image'=>$this->config->item('cdn_foto_karakteristik_path') . '/thumbs',

'maintain_ration'=>true,

'width'=>512,
'height'=>512);
$this->load->library('image_lib');
$this->image_lib->initialize($config);
```

```php
                                        $this->image_lib->resize();
                                        $this->image_lib->clear();
                            }else{
                                        $nama_img="";
                            }

    $arr_karakteristik=array('pest_id'=>$id,'characteristic_ind'=>$karakteristik[$
key],'characteristic_eng'=>$karakteristik_eng[$key],

    'characteristic_order'=>$order_karakteristik[$key],'weight'=>$berat[$key],

    'need_microscope'=>$mikroskop[$key],'characteristic_image'=>$nama_img);

                                        $ins_pengalaman=$this->M_hama-
>insert_karakteristik($arr_karakteristik);
                                        $count++;
                            }
                    }
                    //end edit karakteristik

                    // start edit penanganan
                    //insert foto
                    $penanganan   = $this->input->post('penanganan');
                    $penanganan_eng   = $this->input->post('penanganan_eng');
                    $order_penanganan   = $this->input-
>post('order_penanganan');


                    //edit foto
                    $id_penanganan   = $this->input->post('id_penanganan');
                    $ket_penanganan_save   = $this->input-
>post('ket_penanganan_save');
                    $ket_penanganan_eng_save   = $this->input-
>post('ket_penanganan_eng_save');
                    $order_pengendalian_save   = $this->input-
>post('order_pengendalian_save');
                    $file_foto_penanganan_lama   = $this->input-
>post('file_foto_penanganan_lama');

                    //hapus foto
                    $current_file=$this->M_hama->list_penanganan($id);
                    if(! empty($current_file)){
                            foreach ($current_file as $data_file){
                                    if (!in_array($data_file['id'],
$id_penanganan)){
                                            $del_unit=$this->M_hama-
>delete_item_penanganan($data_file['id']);
                                            @unlink($this->config-
>item('cdn_foto_pengendalian_path') . '/'.$data_file['image']);
                                    }
                            }
                    }

                    //update foto
```

```php
                        $files =
isset($_FILES['file_foto_penanganan_save'])?$_FILES['file_foto_penanganan_save']:
'';
                        if(!empty($id_penanganan)){
                                $count=0;
                                foreach($id_penanganan as $key=>$val){
                                        //upload gambar
                                        if(!empty($files['name'][$count])){
                                                $this->load->helper('string');
                                                $this->load->helper('url');

                                                $random_id = random_string('nozero',
5);
                                                //echo 'nama file
'.$files['name'][$count].'<br>';
                                                $new_file =
strtolower(url_title(pathinfo($files['name'][$count], PATHINFO_FILENAME), '-',
TRUE) . '-' . $random_id);
                                                //echo 'file rename '.$new_file.'<br>';

    $_FILES['file_foto_penanganan_save']['name'] = $files['name'][$count];

    $_FILES['file_foto_penanganan_save']['type'] = $files['type'][$count];

    $_FILES['file_foto_penanganan_save']['tmp_name'] = $files['tmp_name'][$count];

    $_FILES['file_foto_penanganan_save']['error'] = $files['error'][$count];

    $_FILES['file_foto_penanganan_save']['size'] = $files['size'][$count];
                                                //print_r($_FILES['foto_lot']);
                                                $config = array(

    'allowed_types'=>'jpg|jpeg|gif|png',

                                                        'encrypt_name' => true,
                                                        'file_ext_tolower' => TRUE,
                                                        'overwrite' => FALSE,
                                                        'remove_spaces' => TRUE,
                                                        'upload_path' => $this->config-
>item('cdn_foto_pengendalian_path') . '/',

                                                        'max_size' => 2000);

                                                $this->load->library('upload',$config);
                                                $this->upload->initialize($config);
                                                $status_upload=$this->upload-
>do_upload('file_foto_penanganan_save');

                                                $image_data = $this->upload->data();
                                                //print_r($image_data);
                                                $nama_img=$image_data['file_name'];
                                                @unlink($this->config-
>item('cdn_foto_pengendalian_path') .$file_foto_penanganan_lama[$key]);
                                                //resize gambar
                                                $nama_img=$image_data['file_name'];
                                                $config = array(
                                                                'source_image'=>
$image_data['full_path'],
```

```php
                                                        'new_image'=>$this-
>config->item('cdn_foto_pengendalian_path') . '/thumbs',

    'maintain_ration'=>true,

                                                            'width'=>512,
                                                            'height'=>512);
                                        $this->load->library('image_lib');
                                        $this->image_lib->initialize($config);
                                        $this->image_lib->resize();
                                        $this->image_lib->clear();
                                }else{

    $nama_img=$file_foto_penanganan_lama[$key];

                                }

    $arr_penanganan=array('handling_ind'=>$ket_penanganan_save[$key],'handling_eng
'=>$ket_penanganan_eng_save[$key],

    'order'=>$order_pengendalian_save[$key],'image'=>$nama_img);
                                    $update_pengalaman=$this->M_hama-
>update_penanganan($val,$arr_penanganan);
                                    $count++;
                                }
                        }

                        $files =
isset($_FILES['foto_penanganan'])?$_FILES['foto_penanganan']:'';
                        if(!empty($penanganan)){
                                $count=0;
                                foreach($penanganan as $key=>$val){
                                        //upload gambar
                                        if(!empty($files['name'][$count])){
                                                $this->load->helper('string');
                                                $this->load->helper('url');

                                                $random_id = random_string('nozero',
5);
                                                //echo 'nama file
'.$files['name'][$count].'<br>';
                                                $new_file =
strtolower(url_title(pathinfo($files['name'][$count], PATHINFO_FILENAME), '-',
TRUE) . '-' . $random_id);
                                                //echo 'file rename '.$new_file.'<br>';
                                                $_FILES['foto_penanganan']['name'] =
$files['name'][$count];
                                                $_FILES['foto_penanganan']['type'] =
$files['type'][$count];
                                                $_FILES['foto_penanganan']['tmp_name']
= $files['tmp_name'][$count];
                                                $_FILES['foto_penanganan']['error'] =
$files['error'][$count];
                                                $_FILES['foto_penanganan']['size'] =
$files['size'][$count];
                                                //print_r($_FILES['foto_lot']);
```

```php
                              $config = array(
    'allowed_types'=>'jpg|jpeg|gif|png',
                                   'encrypt_name' => true,
                                   'file_ext_tolower' => TRUE,
                                   'overwrite' => FALSE,
                                   'remove_spaces' => TRUE,
                                   'upload_path' => $this->config-
>item('cdn_foto_pengendalian_path') . '/',
                                   'max_size' => 2000);

                              $this->load->library('upload',$config);
                              //$this->upload->initialize($config);
                              $status_upload=$this->upload-
>do_upload('foto_penanganan');

                              $image_data = $this->upload->data();
                              //print_r($image_data);
                              $nama_img=$image_data['file_name'];

                              //resize gambar
                              $this->image_lib->clear();
                              $nama_img=$image_data['file_name'];
                              $config = array(
                                        'source_image'=>
$image_data['full_path'],
                                        'new_image'=>$this-
>config->item('cdn_foto_pengendalian_path') . '/thumbs',
    'maintain_ration'=>true,
                                        'width'=>512,
                                        'height'=>512);
                              $this->load->library('image_lib');
                              $this->image_lib->initialize($config);
                              $this->image_lib->resize();
                              $this->image_lib->clear();
                        }else{
                              $nama_img="";
                        }
    $arr_penanganan=array('pest_id'=>$id,'handling_ind'=>$penanganan[$key],'handli
ng_eng'=>$penanganan_eng[$key],
    'order'=>$order_penanganan[$key],'image'=>$nama_img);
                              $ins_pengalaman=$this->M_hama-
>insert_penanganan($arr_penanganan);
                              $count++;
                        }
                  }
                  // end edit penanganan
                  $this->session->set_flashdata('pesan', 'Data Sukses
Diupdate');
                  redirect('hama');
            }
        }
    }
```

```php
    function delete($id){
        $delete=$this->M_hama->delete($id);
        $this->session->set_flashdata('pesan', 'Data Sukses Dihapus');
        redirect('hama');
    }

    function import_data(){
        $data['main_view']='hama/view_import';
        $data['proses']='hama/process_import';
        $this->load->view('template',$data);
    }

    function process_import(){
        if(!empty($_FILES['file_impor']['name'])){
            $this->load->helper('string');
            $this->load->helper('url');

            $random_id = random_string('nozero', 5);

            $new_file = url_title(pathinfo($_FILES['file_impor']['name'],
PATHINFO_FILENAME), '-', TRUE) . '-' . $random_id . '.' .
pathinfo($_FILES['file_impor']['name'], PATHINFO_EXTENSION);

            $config = array(
                'allowed_types'=>'xlsx',
                'encrypt_name' => FALSE,
                'overwrite' => FALSE,
                'remove_spaces' => TRUE,
                'file_name' => $new_file,
                'upload_path' =>  'tmp_excel/',
                'max_size' => 2000);

            $this->load->library('upload',$config);
            $status_upload=$this->upload->do_upload('file_impor');
            $image_data = $this->upload->data();
            $nama_gambar=$image_data['file_name'];
            $this->load->library("Excel/PHPExcel");
            $excelreader = new PHPExcel_Reader_Excel2007();
            $loadexcel = $excelreader->load('tmp_excel/'.$nama_gambar); //
Load file yang telah diupload ke folder excel
            $sheet = $loadexcel->getActiveSheet()->toArray(null, true, true
,true);

            $arr_data=array();
            if(!empty($sheet)){
                for($i=2;$i<=count($sheet);$i++){
                    $arr_data[]=$sheet[$i];
                }
            }
            $ins_data=$this->M_hama->do_import($arr_data);
            @unlink('tmp_excel/'.$nama_gambar);
            $this->session->set_flashdata('pesan', 'Data Sukses  Diimport');
        }else{
            $this->session->set_flashdata('pesan', 'Data Gagal Diimport');
```

```
        }

        redirect('hama');
    }

    function demo_import(){
        $this->load->library("Excel/PHPExcel");
        $excelreader = new PHPExcel_Reader_Excel2007();
        $loadexcel = $excelreader->load('tmp_excel/demo_excel.xlsx'); // Load
file yang telah diupload ke folder excel
        $sheet = $loadexcel->getActiveSheet()->toArray(null, true, true ,true);
        echo "<pre>";
        print_r($sheet);
    }
}
```

File /application/models/M_hama.php

```
<?php
defined('BASEPATH') OR exit('No direct script access allowed');

class M_hama extends CI_Model {

    function get_data($limit, $offset){
        $sql = "SELECT a.*,b.`plant_part_name_ind` AS bagian_tumb,
c.`pest_status_name_ind` AS status_hama
                    FROM pest a LEFT JOIN plant_part b ON
a.`plant_part_id`=b.`plant_part_id`
                    LEFT JOIN `pest_status` c ON
a.`pest_status_id`=c.`pest_status_id`
                    order by pest_id asc limit $offset, $limit ";
                    //echo $sql;
        $query = $this->db->query($sql);
        if ($query->num_rows() > 0) {
            $result = $query->result_array();
            $query->free_result();
        } else {
            $result = array();
        }
        return $result;
    }

    function get_all_status(){
        $sql = "SELECT *
                    FROM pest_status
                    order by pest_status_id desc ";
                    //echo $sql;
        $query = $this->db->query($sql);
        if ($query->num_rows() > 0) {
            $result = $query->result_array();
            $query->free_result();
        } else {
            $result = array();
```

```php
        }
        return $result;
    }

    function get_all_bagian(){
        $sql = "SELECT *
                    FROM plant_part
                    order by plant_part_id desc ";
                    //echo $sql;
        $query = $this->db->query($sql);
        if ($query->num_rows() > 0) {
            $result = $query->result_array();
            $query->free_result();
        } else {
            $result = array();
        }
        return $result;
    }

    function get_data_search($nama,$limit, $offset){
        $sql = "SELECT a.*,b.`plant_part_name_ind` AS bagian_tumb,
c.`pest_status_name_ind` AS status_hama
                    FROM pest a LEFT JOIN plant_part b ON
a.`plant_part_id`=b.`plant_part_id`
                    LEFT JOIN `pest_status` c ON
a.`pest_status_id`=c.`pest_status_id`
                    where pest_name_ind like '%".$nama."%' or pest_name_eng
like '%".$nama."%'
                    order by pest_id asc limit $offset, $limit";
        $query = $this->db->query($sql);
        if ($query->num_rows() > 0) {
            $result = $query->result_array();
            $query->free_result();
        } else {
            $result = array();
        }
        return $result;
    }

    function count_row_search($nama){

        $sql = "SELECT  *
                    FROM pest
                    where pest_name_ind like '%".$nama."%' or pest_name_eng
like '%".$nama."%'";
        $query = $this->db->query($sql);
        return $query->num_rows();
    }

    function count_all_num_rows(){
        $sql = "SELECT  *
                    FROM pest";
        $query = $this->db->query($sql);
        return $query->num_rows();
    }
```

```php
    function jumlah_spesies(){
        $sql = "SELECT   *
                        FROM pest";
        $query = $this->db->query($sql);
        return $query->num_rows();
    }



    function insert_data($arr_data){
        $insert=$this->db->insert('pest',$arr_data);
        return $insert;

    }

    function detail_data($id){
        $sql = "SELECT * FROM pest a
        LEFT JOIN plant_part b ON a.`plant_part_id`=b.`plant_part_id`
        LEFT JOIN `pest_status` c ON a.`pest_status_id`=c.`pest_status_id` where
pest_id='".$id."'";
        $query = $this->db->query($sql);
        if ($query->num_rows() > 0) {
                $result = $query->row_array();
                $query->free_result();
        } else {
                $result = array();
        }
        return $result;
    }

    function update_data($id,$arr_data){
        $this->db->where('pest_id',$id);
        $update=$this->db->update('pest',$arr_data);
        return $update;

    }

    function delete($id){
        $data=array('pest_id'=>$id);
        $this->db->where($data);
        $delete=$this->db->delete('pest');
        return $delete;
    }

    function list_foto($id){
        $sql = "SELECT * FROM pest_additional_image where pest_id='".$id."'";
        $query = $this->db->query($sql);
        if ($query->num_rows() > 0) {
                $result = $query->result_array();
                $query->free_result();
        } else {
                $result = array();
        }
```

```php
			return $result;
	}

	function delete_item_foto($id){
			$data=array('id'=>$id);
			$this->db->where($data);
			$delete=$this->db->delete('pest_additional_image');
			return $delete;
	}

	function update_foto($id,$arr_data){
			$this->db->where('id',$id);
			$update=$this->db->update('pest_additional_image',$arr_data);
			return $update;
	}

	function insert_foto($arr_data){
			$insert=$this->db->insert('pest_additional_image',$arr_data);
			return $insert;
	}

	function list_karakteristik($id){
			$sql = "SELECT * FROM pest_characteristic where pest_id='".$id."'";
			$query = $this->db->query($sql);
			if ($query->num_rows() > 0) {
					$result = $query->result_array();
					$query->free_result();
			} else {
					$result = array();
			}
			return $result;
	}

	function delete_item_karakteristik($id){
			$data=array('id'=>$id);
			$this->db->where($data);
			$delete=$this->db->delete('pest_characteristic');
			return $delete;
	}

	function update_karakteristik($id,$arr_data){
			$this->db->where('id',$id);
			$update=$this->db->update('pest_characteristic',$arr_data);
			return $update;
	}

	function insert_karakteristik($arr_data){
			$insert=$this->db->insert('pest_characteristic',$arr_data);
			return $insert;
	}

	function list_penanganan($id){
			$sql = "SELECT * FROM pest_handling where pest_id='".$id."'";
			$query = $this->db->query($sql);
			if ($query->num_rows() > 0) {
```

```
                $result = $query->result_array();
                $query->free_result();
        } else {
                $result = array();
        }
        return $result;
    }

    function delete_item_penanganan($id){
        $data=array('id'=>$id);
        $this->db->where($data);
        $delete=$this->db->delete('pest_handling');
        return $delete;
    }

    function update_penanganan($id,$arr_data){
        $this->db->where('id',$id);
        $update=$this->db->update('pest_handling',$arr_data);
        return $update;
    }

    function insert_penanganan($arr_data){
        $insert=$this->db->insert('pest_handling',$arr_data);
        return $insert;
    }
}
```

File /application/view/hama/main_view.php

```
<section class="content-header">
   <h1>Hama</h1>

</section>

<!-- Main content -->
<section class="content">
   <div class="row">
        <div class="col-md-12">
            <div class="box box-primary">
                <div class="box-header">
                    <h3 class="box-title"></h3>
                    <div class="box-tools pull-right">
                        <button class="btn btn-primary"
onclick="location.href='<?php echo site_url('hama/add');?>';"><i class="fa fa-
plus"></i> Tambah Hama</button>
                    </div>
                    <div class="box-tools">

                    </div>
                </div><!-- /.box-header -->
                <div class="box-body table-responsive">
                    <?php
                    $flashmessage = $this->session->flashdata('pesan');
                    if(!empty($flashmessage)){
```

```php
                                ?>
                                <div class="alert alert-success alert-
dismissable">
                                        <i class="fa fa-check"></i>
                                        <button aria-hidden="true" data-
dismiss="alert" class="close" type="button">x</button>
                                        <?php echo $flashmessage; ?>
                                </div>
                        <?php
                        }
                        ?>
                        <ul class="nav nav-tabs">

                                <li class="pull-right">
                                <form method="post" autocomplete="off"
action="<?php echo site_url('hama/search_data');?>">
                                <div class="input-group">
                                        <input type="text"
placeholder="Cari..." style="width: 150px;" class="form-control input-sm pull-
right" value="<?php echo isset($param_search)?$param_search:'';?>"
name="search_text">
                                        <div class="input-group-btn">
                                                <button name="search" class="btn
btn-sm btn-default"><i class="fa fa-search"></i></button>
                                        </div>
                                </div>
                                </form>
                                <br>
                                </li>
                        </ul>
                        <br />
                        <table class="table table-hover table-bordered">
                                <tbody>
                                <tr>
                                        <th style="width:5%">No</th>
                                        <th>Nama Hama(Latin)</th>
                                        <th>Nama Hama(IND)</th>
                                        <th>Nama Hama (ENG)</th>
                                        <th>Bagian Tumbuhan</th>
                                        <th>Jenis Hama</th>
                                        <th>Main Image</th>
                                        <th style="width:15%">Aksi</th>
                                </tr>
                                <?php
                                if(!empty($list)){
                                        $no=$offset+1;
                                foreach($list as $val){

                                ?>
                                <tr>
                                        <td><?php echo $no;?></td>
                                        <td><?php echo
$val['pest_name_latin']?></td>
                                        <td><?php echo
$val['pest_name_ind']?></td>
```

```php
                                           <td><?php echo
$val['pest_name_eng']?></td>
                                           <td><?php echo
$val['bagian_tumb']?></td>
                                           <td><?php echo
$val['status_hama']?></td>
                                           <td>
                                           <?php
                        $path_gambar=$this->config-
>item('cdn_foto_hama_path').'thumbs/'.$val['main_image'];
                                  if(file_exists($path_gambar) &&
$val['main_image']!=""){
                                           $str_gambar=$this->config-
>item('cdn_foto_hama_url').'thumbs/'.$val['main_image'];
                                           }else{
                                           $str_gambar=$this->config-
>item('cdn_foto_hama_url').'default.jpg';
                                           }
                                  ?>
                              <img src="<?php echo $str_gambar?>" width="100" />
                                           </td>
                                           <td>
                                                   <a href="<?php echo
site_url('hama/edit/'.$val['pest_id']);?>" data-toggle="tooltip" data-
placement="bottom" data-original-title="Edit" class="btn btn-flat btn-warning
btn-sm"><i class="fa fa-edit"></i></a>
                                                   <a href="<?php echo
site_url('hama/detail/'.$val['pest_id']);?>" data-toggle="tooltip" data-
placement="bottom" data-original-title="Detail" class="btn btn-flat btn-info btn-
sm"><i class="fa fa-folder"></i></a>
                                                   <a onclick="return
confirm('Yakin Data akan dihapus ?');" href="<?php echo
site_url('hama/delete/'.$val['pest_id'])?>" data-toggle="tooltip" data-
placement="bottom" data-original-title="Hapus" class="btn btn-flat btn-danger
btn-sm"><i class="fa fa-trash-o"></i></a>
                                                   </td>
                                      </tr>
                                      <?php
                                      $no++;
                                      }
                                      }else{
                                      ?>
                                      <td colspan="3">Data tidak ada</td>
                                      <?php
                                      }
                                      ?>
                                      </tbody></table>
                        </div><!-- /.box-body -->
                        <div class="box-footer clearfix">
                        <?php
                   echo ! empty($pagination) ? '<div class="pagination
pagination-sm no-margin pull-right">' . $pagination . '</div>' : '';
                   ?>
                        </div>
```

```
                    </div>
                </div>
            </div>
        </div>
</section><!-- /.content -->
```

File /application/view/hama/view_add.php

```
<section class="content-header">
    <h1>Tambah Hama</h1>

</section>

<!-- Main content -->
<section class="content">
    <div class="row">
        <div class="col-md-12">
            <div class="box box-primary">
                <div class="box-header">
                    <div class="pull-right box-tools">
                        <a href="<?php echo site_url('hama');?>"
data-toggle="tooltip" data-original-title="Kembali" class="btn btn-info btn-
sm"><i class="fa fa-arrow-left"></i> Kembali</a>
                    </div>
                    <h3 class="box-title"></h3>
                </div><!-- /.box-header -->
                <form accept-charset="utf-8" method="post"
enctype="multipart/form-data" autocomplete="off" action="<?php echo
site_url($proses);?>">
                    <div class="box-body">


                                    <!-- Account Information -->
                                    <div id="accountinfo" class="tab-pane
active">

                                        <br />
                                        <div class="col-md-12">

                                            <div class="form-group">
                                                <label
for="email">Nama Hama (IND)</label>
                                                <input type="text"
value="<?php echo set_value('nama')?>" name="nama" id="nama" class="form-
control">
                                                <?php echo
form_error('nama','<font color="#FF0000">','</font>');?>
                                            </div>

                                            <div class="form-group">
                                                <label
for="email">Nama Hama (ENG)</label>
```

```php
                                                            <input type="text"
value="<?php echo set_value('nama_eng')?>" name="nama_eng" id="nama_eng"
class="form-control">
                                                            <?php echo
form_error('nama_eng','<font color="#FF0000">','</font>');?>
                                                        </div>

                                                        <div class="form-group">
                                                            <label
for="email">Nama Hama (Latin)</label>
                                                            <input type="text"
value="<?php echo set_value('nama_latin')?>" name="nama_latin" id="nama_latin"
class="form-control">
                                                            <?php echo
form_error('nama_latin','<font color="#FF0000">','</font>');?>
                                                        </div>

                                                        <div class="form-group">
                                                            <label
for="email">Status</label>
                                                            <?php

   $js='id="id_status" class="form-control"';
                                                                echo
form_dropdown('id_status',$list_status,set_value('id_status'),$js);
                                                                echo
form_error('id_status','<font color="#FF0000">','</font>');
                                                            ?>
                                                        </div>

                                                        <div class="form-group">
                                                            <label
for="email">Bagian</label>
                                                            <?php

   $js='id="id_bagian" class="form-control"';
                                                                echo
form_dropdown('id_bagian',$list_bagian,set_value('id_bagian'),$js);
                                                                echo
form_error('id_bagian','<font color="#FF0000">','</font>');
                                                            ?>
                                                        </div>

                                                        <div class="form-group">
                                                            <label
for="email">Deskripsi (IND)</label>
                                                            <input type="text"
value="<?php echo set_value('keterangan')?>" name="keterangan" id="keterangan"
class="form-control">
                                                            <?php echo
form_error('keterangan','<font color="#FF0000">','</font>');?>
                                                        </div>

                                                        <div class="form-group">
```

```html
                                                          <label
for="email">Deskripsi (ENG)</label>
                                                          <input type="text"
value="<?php echo set_value('keterangan_eng')?>" name="keterangan_eng"
id="keterangan_eng" class="form-control">
                                                          <?php echo
form_error('keterangan_eng','<font color="#FF0000">','</font>');?>
                                                      </div>

                                                      <div class="form-group">
                                                          <label
for="email">Nama Model</label>
                                                          <input type="text"
value="<?php echo set_value('model_name')?>" name="model_name" id="model_name"
class="form-control">
                                                          <?php echo
form_error('model_name','<font color="#FF0000">','</font>');?>
                                                      </div>

                                                      <div class="form-group">
                                                          <label
for="email">Main Image</label>
                                                          <input type="file"
name="foto_utama" id="foto_utama" onchange="return cek_file_img('foto_utama');">
                                                      </div>

                                                      <div class="form-group">
                                                          <label
for="email">Foto</label>
                                                          <div
class="toolbar">
                                                              <a
href="javascript:void(0)" title="Tambah" onclick="tambahFoto(this)" data-
toggle="tooltip" data-original-title="Tambah" class="btn btn-success btn-sm"><i
class="fa fa-plus"></i> Tambah</a>
                                                          </div>
                                                          <br>
                                                          <table class="table
table-hover table-bordered">
                                                              <tr>

    <th>Keterangan (IND)</th>

    <th>Keterangan (ENG)</th>

    <th>Order</th>
                                                                  <th>Foto</th>
                                                                  <th
width="30">Aksi</th>
                                                              </tr>
                                                              <tbody
id="tbody_foto_list">

                                                              </tbody>
                                                          </table>
```

```
                                                                    </div>

                                                            <div class="form-group">
                                                                    <label
for="email">Karakteristik</label>

                                                                    <div
class="toolbar">

                                                                    <a
href="javascript:void(0)" title="Tambah" onclick="tambahKarakteristik(this)"
data-toggle="tooltip" data-original-title="Tambah" class="btn btn-info btn-sm"><i
class="fa fa-plus"></i> Tambah</a>

                                                                    </div>
                                                                    <br>
                                                                    <table class="table
table-hover table-bordered">

                                                                    <tr>

    <th>Karakteristik (IND)</th>

    <th>Karakteristik (ENG)</th>

    <th>Order</th>

    <th>Berat</th>
                                                                            <th>Butuh
Mikroskop</th>

                                                                            <th>Foto</th>
                                                                            <th
width="30">Aksi</th>

                                                                    </tr>
                                                                    <tbody
id="tbody_karakteristik_list">

                                                                    </tbody>
                                                                    </table>

                                                            </div>

                                                            <div class="form-group">
                                                                    <label
for="email">Pengelolaan</label>

                                                                    <div
class="toolbar">

                                                                    <a
href="javascript:void(0)" title="Tambah" onclick="tambahPenanganan(this)" data-
toggle="tooltip" data-original-title="Tambah" class="btn btn-warning btn-sm"><i
class="fa fa-plus"></i> Tambah</a>

                                                                    </div>
                                                                    <br>
                                                                    <table class="table
table-hover table-bordered">

                                                                    <tr>

    <th>Pengelolaan (IND)</th>
```

```html
    <th>Pengelolaan (ENG)</th>

    <th>Order</th>
                                                        <th>Foto</th>
                                                        <th
width="30">Aksi</th>
                                                    </tr>
                                                    <tbody
id="tbody_penanganan_list">

                                                    </tbody>
                                                    </table>

                                                </div>


                                                <div class="col-md-offset-
4"></div>
                                            </div>
                                        </div>

                                </div><!-- /.box-body -->
                                <div class="clearfix"></div>
                                <div class="box-footer">
                                        <input type="submit" value="Simpan"
class="btn btn-primary" name="save">
                                </div>
                            </form>
                    </div>
            </div>
    </div>
</section><!-- /.content -->

<script>
var count=1;
function tambahFoto(){
    var tampil_tombol_aksi = '<a href="javascript:void(0)" title="Hapus"
onclick="hapusFoto(this)" class="btn btn-flat btn-danger btn-sm"><i class="fa fa-
trash-o"></i></a>';

    var tr                   = document.createElement('tr');
    var td_keterangan   = document.createElement('td');
    var td_ket_eng          = document.createElement('td');
    var td_order        = document.createElement('td');
    var td_file             = document.createElement('td');
    var td_aksi             = document.createElement('td');
    var tbodi           = document.getElementById("tbody_foto_list");

    td_aksi.className       = 'links';
    td_aksi.width           = 15;
    td_keterangan.innerHTML   = '<input class="form-control" type="text"
name="keterangan[]" value="" size="30" />';
    td_ket_eng.innerHTML      = '<input class="form-control" type="text"
name="keterangan_eng[]" value="" size="30" />';
```

```javascript
    td_order.innerHTML           = '<input class="form-control" type="text"
name="order[]" oninput="this.value = this.value.replace(/[^0-9.-]/g,
\'\').replace(/(\\..*)\\./g, \'$1\');" value="0" size="5" />';
    td_file.innerHTML            = '<input type="file" id="foto_'+count+'"
name="foto[]" onchange="return cek_file_img(\'foto_'+count+'\');" />';


    td_aksi.innerHTML    = tampil_tombol_aksi;

    tr.appendChild(td_keterangan);
    tr.appendChild(td_ket_eng);
    tr.appendChild(td_order);
    tr.appendChild(td_file);
    tr.appendChild(td_aksi);
    tbodi.appendChild(tr);
    count++;
}

function hapusFoto(obj){
    var pesanWali= confirm('Apakah Anda Yakin Akan Menghapus Foto Berikut Ini ?');
    if (pesanWali) {

    obj.parentNode.parentNode.parentNode.removeChild(obj.parentNode.parentNode);
    }
}

function tambahKarakteristik(){
    var tampil_tombol_aksi = '<a href="javascript:void(0)" title="Hapus"
onclick="hapusKarakteristik(this)" class="btn btn-flat btn-danger btn-sm"><i
class="fa fa-trash-o"></i></a>';

    var tr                   = document.createElement('tr');
    var td_keterangan   = document.createElement('td');
    var td_ket_eng           = document.createElement('td');
    var td_order        = document.createElement('td');
    var td_berat        = document.createElement('td');
    var td_mikroskop    = document.createElement('td');
    var td_aksi              = document.createElement('td');
    var td_file              = document.createElement('td');
    var tbodi                =
document.getElementById("tbody_karakteristik_list");

    td_aksi.className        = 'links';
    td_aksi.width            = 15;
    td_keterangan.innerHTML    = '<input class="form-control" type="text"
name="karakteristik[]" value="" size="30" />';
    td_ket_eng.innerHTML      = '<input class="form-control" type="text"
name="karakteristik_eng[]" value="" size="30" />';
    td_order.innerHTML         = '<input class="form-control" type="text"
name="order_karakteristik[]" oninput="this.value = this.value.replace(/[^0-9.-
]/g, \'\').replace(/(\\..*)\\./g, \'$1\');" value="0" size="5" />';
    td_mikroskop.innerHTML     = '<select class="form-control" name="mikroskop[]"
><?php echo $kombo_mikro; ?></select>';
```

```javascript
    td_berat.innerHTML          = '<input class="form-control" type="text"
name="berat[]" oninput="this.value = this.value.replace(/[^0-9.-]/g,
\'\').replace(/(\\..*)\\./g, \'$1\');" value="0" size="5" />';
    td_file.innerHTML           = '<input type="file"
id="foto_karakteristik_'+count+'" name="foto_karakteristik[]" onchange="return
cek_file_img(\'foto_karakteristik_'+count+'\');" />';


    td_aksi.innerHTML    = tampil_tombol_aksi;

    tr.appendChild(td_keterangan);
    tr.appendChild(td_ket_eng);
    tr.appendChild(td_order);
    tr.appendChild(td_berat);
    tr.appendChild(td_mikroskop);
    tr.appendChild(td_file);
    tr.appendChild(td_aksi);
    tbodi.appendChild(tr);
    count++;
}

function hapusKarakteristik(obj){
    var pesanWali= confirm('Apakah Anda Yakin Akan Menghapus Data Karakteristik
Berikut Ini ?');
    if (pesanWali) {

    obj.parentNode.parentNode.parentNode.removeChild(obj.parentNode.parentNode);
    }
}

function tambahPenanganan(){
    var tampil_tombol_aksi = '<a href="javascript:void(0)" title="Hapus"
onclick="hapusPenanganan(this)" class="btn btn-flat btn-danger btn-sm"><i
class="fa fa-trash-o"></i></a>';

    var tr                  = document.createElement('tr');
    var td_keterangan   = document.createElement('td');
    var td_ket_eng          = document.createElement('td');
    var td_order        = document.createElement('td');
    var td_file             = document.createElement('td');
    var td_aksi             = document.createElement('td');
    var tbodi           = document.getElementById("tbody_penanganan_list");

    td_aksi.className       = 'links';
    td_aksi.width           = 15;
    td_keterangan.innerHTML    = '<input class="form-control" type="text"
name="penanganan[]" value="" size="30" />';
    td_ket_eng.innerHTML        = '<input class="form-control" type="text"
name="penanganan_eng[]" value="" size="30" />';
    td_order.innerHTML          = '<input class="form-control" type="text"
name="order_penanganan[]" oninput="this.value = this.value.replace(/[^0-9.-]/g,
\'\').replace(/(\\..*)\\./g, \'$1\');" value="0" size="5" />';
    td_file.innerHTML           = '<input type="file" id="foto_penanganan_'+count+'"
name="foto_penanganan[]" onchange="return
cek_file_img(\'foto_penanganan_'+count+'\');" />';
```

```
    td_aksi.innerHTML   = tampil_tombol_aksi;

    tr.appendChild(td_keterangan);
    tr.appendChild(td_ket_eng);
    tr.appendChild(td_order);
    tr.appendChild(td_file);
    tr.appendChild(td_aksi);
    tbodi.appendChild(tr);
    count++;
}

function hapusPenanganan(obj){
    var pesanWali= confirm('Apakah Anda Yakin Akan Menghapus Penanganan Berikut
Ini ?');
    if (pesanWali) {

    obj.parentNode.parentNode.parentNode.removeChild(obj.parentNode.parentNode);
    }
}

</script>
```

File /application/view/hama/view_detail.php

```
<section class="content-header">
    <h1>Data Hama</h1>
</section>


<section class="content">
      <div class="row">
        <div class="col-md-12">
          <div class="box box-primary">
            <div class="box-header with-border">
              <h3 class="box-title">Detail Hama</h3>
                  <div class="pull-right box-tools">
                                    <a href="<?php echo site_url('hama');?>"
data-toggle="tooltip" data-original-title="Kembali" class="btn btn-info btn-
sm"><i class="fa fa-arrow-left"></i> Kembali</a>
                            </div>
            </div>
            <!-- /.box-header -->
            <div class="box-body">
              <table class="table table-striped">
                    <tr>
                            <th width="25%">Nama Hama (IND)</th>
                            <td><?php echo $detail['pest_name_ind'];?></td>
                    </tr>
                    <tr>
                            <th>Nama Hama (ENG)</th>
                            <td><?php echo $detail['pest_name_eng'];?></td>
                    </tr>
```

```php
                            <tr>
                                    <th>Nama Hama (Latin)</th>
                                    <td><?php echo $detail['pest_name_latin'];?></td>
                            </tr>
                            <tr>
                                    <th>Status (IND)</th>
                                    <td><?php echo
$detail['pest_status_name_ind'];?></td>
                            </tr>
                            <tr>
                                    <th>Status (ENG)</th>
                                    <td><?php echo
$detail['pest_status_name_eng'];?></td>
                            </tr>
                            <tr>
                                    <th>Bagian (IND)</th>
                                    <td><?php echo
$detail['plant_part_name_ind'];?></td>
                            </tr>
                            <tr>
                                    <th>Bagian (ENG)</th>
                                    <td><?php echo
$detail['plant_part_name_eng'];?></td>
                            </tr>
                            <tr>
                                    <th>Deskripsi (IND)</th>
                                    <td><?php echo $detail['desc_ind'];?></td>
                            </tr>
                            <tr>
                                    <th>Deskripsi (ENG)</th>
                                    <td><?php echo $detail['desc_eng'];?></td>
                            </tr>
                            <tr>
                                    <th>Nama Model</th>
                                    <td><?php echo $detail['model_name'];?></td>
                            </tr>
                            <tr>
                                    <th>Main Image</th>
                                    <td>
                                    <?php
                                      $path_gambar=$this->config-
>item('cdn_foto_hama_path').$detail['main_image'];
                                              if(file_exists($path_gambar) &&
$detail['main_image']!=""){
                                                      $str_gambar=$this->config-
>item('cdn_foto_hama_url').$detail['main_image'];
                                              }else{
                                                      $str_gambar=$this->config-
>item('cdn_foto_hama_url').'default.jpg';
                                              }
                                      ?>
                                    <img src="<?php echo $str_gambar?>" width="200"
/></td>
                            </tr>
```

```
                        </table>
              </div>

          </div>
          <!-- /.box -->


          <!-- /.box -->
      </div>
      <!-- /.col -->

      <!-- /.col -->
  </div>
  <!-- /.row -->
  <div class="row">
    <div class="col-xs-12">
      <div class="box box-primary">
        <div class="box-header">
          <h3 class="box-title">Foto</h3>
        </div>
        <!-- /.box-header -->
        <div class="box-body no-padding">
          <table class="table table-hover table-bordered">
                        <tbody>
                        <tr>
                                <th>No</th>
                                <th>Foto</th>
                                <th>Keterangan (IND)</th>
                                <th>Keterangan (ENG)</th>
                                <th>Order</th>

                        </tr>
                        <?php
                        if(!empty($list_foto)){
                                $no=1;
                        foreach($list_foto as $val){

                        ?>
                        <tr>
                                <td><?php echo $no;?></td>
                                <td><?php
                                $path_gambar=$this->config-
>item('cdn_foto_path').$val['pest_image'];
                                if(file_exists($path_gambar) &&
$val['pest_image']!=""){
                                        $str_gambar=$this->config-
>item('cdn_foto_url').$val['pest_image'];
                                }else{
                                        $str_gambar=$this->config-
>item('cdn_foto_url').'default.jpg';
                                }
                                ?>
                                <img src="<?php echo $str_gambar?>"
width="200" /></td>
```

```php
                                            <td><?php echo
$val['image_desc_ind'];?></td>
                                            <td><?php echo
$val['image_desc_eng'];?></td>
                                            <td><?php echo $val['order'];?></td>
                                        </tr>
                                        <?php
                                        $no++;
                                        }
                                        }else{
                                        ?>
                                        <td colspan="5">Data tidak ada</td>
                                        <?php
                                        }
                                        ?>
                                    </tbody></table>
                </div>
                <!-- /.box-body -->
              </div>
              <!-- /.box -->
          </div>
        </div>

    <div class="row">
        <div class="col-xs-12">
          <div class="box box-primary">
            <div class="box-header">
              <h3 class="box-title">Karakteristik</h3>
            </div>
            <!-- /.box-header -->
            <div class="box-body no-padding">
              <table class="table table-hover table-bordered">
                                    <tbody>
                                    <tr>
                                            <th>No</th>
                                            <th>Foto</th>
                                            <th>Karakteristik (IND)</th>
                                            <th>Karakteristik (ENG)</th>
                                            <th>Order</th>
                                            <th>Berat</th>
                                            <th>Butuh Mikroskop</th>

                                    </tr>
                                    <?php
                                    if(!empty($list_karakteristik)){
                                            $no=1;
                                    foreach($list_karakteristik as $val){

                                    ?>
                                    <tr>
                                            <td><?php echo $no;?></td>
                                            <td><?php
                                            $path_gambar=$this->config-
>item('cdn_foto_karakteristik_path').$val['characteristic_image'];
```

```php
                                                if(file_exists($path_gambar) &&
$val['characteristic_image']!=""){
                                                    $str_gambar=$this->config-
>item('cdn_foto_karakteristik_url').$val['characteristic_image'];
                                                }else{
                                                    $str_gambar=$this->config-
>item('cdn_foto_karakteristik_url').'default.jpg';
                                                }
                                                ?>
                                                <img src="<?php echo $str_gambar?>"
width="200" /></td>

                                                <td><?php echo
$val['characteristic_ind'];?></td>
                                                <td><?php echo
$val['characteristic_eng'];?></td>
                                                <td><?php echo
$val['characteristic_order'];?></td>
                                                <td><?php echo $val['weight'];?></td>
                                                <td><?php echo
$val['need_microscope'];?></td>
                                        </tr>
                                        <?php
                                        $no++;
                                        }
                                        }else{
                                        ?>
                                        <td colspan="7">Data tidak ada</td>
                                        <?php
                                        }
                                        ?>
                                        </tbody></table>
                    </div>
                    <!-- /.box-body -->
                </div>
                <!-- /.box -->
            </div>
         </div>

    <div class="row">
        <div class="col-xs-12">
            <div class="box box-primary">
                <div class="box-header">
                    <h3 class="box-title">Pengelolaan</h3>
                </div>
                <!-- /.box-header -->
                <div class="box-body no-padding">
                    <table class="table table-hover table-bordered">
                                    <tbody>
                                    <tr>
                                            <th>No</th>
                                            <th>Foto</th>
                                            <th>Pengelolaan (IND)</th>
                                            <th>Pengelolaan (ENG)</th>
                                            <th>Order</th>
```

```
                                              </tr>
                                              <?php
                                              if(!empty($list_penanganan)){
                                                     $no=1;
                                              foreach($list_penanganan as $val){

                                              ?>
                                              <tr>
                                                     <td><?php echo $no;?></td>
                                                     <td><?php
                                                     $path_gambar=$this->config-
>item('cdn_foto_pengendalian_path').$val['image'];
                                                     if(file_exists($path_gambar) &&
$val['image']!=""){
                                                            $str_gambar=$this->config-
>item('cdn_foto_pengendalian_url').$val['image'];
                                                     }else{
                                                            $str_gambar=$this->config-
>item('cdn_foto_pengendalian_url').'default.jpg';
                                                     }
                                                     ?>
                                                     <img src="<?php echo $str_gambar?>"
width="200" /></td>

                                                     <td><?php echo
$val['handling_ind'];?></td>
                                                     <td><?php echo
$val['handling_eng'];?></td>
                                                     <td><?php echo $val['order'];?></td>
                                              </tr>
                                              <?php
                                              $no++;
                                              }
                                              }else{
                                              ?>
                                              <td colspan="5">Data tidak ada</td>
                                              <?php
                                              }
                                              ?>
                                              </tbody></table>
                    </div>
                    <!-- /.box-body -->
                  </div>
                  <!-- /.box -->
               </div>
             </div>
           </section>
```

## 2. Modul Log Identifikasi

File /application/controller/Log_identifikasi.php

```
<?php
```

```php
defined('BASEPATH') OR exit('No direct script access allowed');
class Log_identifikasi extends CI_Controller {
    function __construct() {
        parent::__construct();
        $this->isLogin();
        $this->num_post=20;
        $this->load->model(array('M_identifikasi'));
    }

    function isLogin(){
        $login=$this->session->userdata('isLogin');
        if(! isset($login)||$login != true){
            $this->session->set_flashdata('error_login', 'Untuk Mengakses
Admin Anda Harus Login!');
            redirect('login');
        }
    }

    function search_data($offset = 0){
        $data['main_view']='log_identifikasi/main_view';
        $data['proses_cari']='log_identifikasi/search_data';
        $uri_segment = 3;

        if($offset != 0){
            $offset = $this->uri->segment($uri_segment);
        }else{
            $offset=$offset;
        }
        $list_hama=$this->M_identifikasi->get_list_hama();

        $tgl_awal=date('Y-m-').'01';
        $tgl_akhir=date('Y-m-d');
        $data['tgl_awal']=$tgl_awal;
        $data['tgl_akhir']=$tgl_akhir;

    $data['arr_status']=array('semua'=>'Semua','ya'=>'Ya','tidak'=>'Tidak','belum'
=>'Belum');

        $data['list_hama']['semua']='Semua Hama';
        if(!empty($list_hama)){
            foreach($list_hama as $row){
                $data['list_hama'][$row['pest_id']]=$row['pest_name_ind'];
            }
        }

        if(isset($_POST['cari'])){
            if(isset($_POST['cek_tgl_input'])){
                $data['param_cek_tgl_input'] = "checked";
            }else{
                $data['param_cek_tgl_input'] = "";
            }
            $data['param_hama'] = $this->input->post('hama');
            $data['param_status'] = $this->input->post('status');
            $data['param_tgl_awal'] = $this->input->post('tgl_awal');
            $data['param_tgl_akhir'] = $this->input->post('tgl_akhir');
```

```php
                $this->session->set_userdata('param_hama', $data['param_hama']);
                $this->session->set_userdata('param_tgl_awal',
$data['param_tgl_awal']);
                $this->session->set_userdata('param_tgl_akhir',
$data['param_tgl_akhir']);
                $this->session->set_userdata('param_status',
$data['param_status']);
        } else {
                $data['param_hama'] = $this->session->userdata('param_hama');
                $data['param_tgl_awal'] = $this->session-
>userdata('param_tgl_awal');
                $data['param_tgl_akhir'] = $this->session-
>userdata('param_tgl_akhir');
                $data['param_cek_tgl_input'] = $this->session-
>userdata('param_cek_tgl_input');
                $data['param_status'] = $this->session->userdata('param_status');
        }
        if($data['param_cek_tgl_input']=="checked"){
                $filter_input=" and date_format(request_date,'%Y-%m-%d') between
'".$data['param_tgl_awal']."' and '".$data['param_tgl_akhir']."' ";
                $cek_input="ya";
        }else{
                $filter_input="";
                $cek_input="tidak";
        }
        $data['list'] = $this->M_identifikasi-
>get_data_search($data['param_hama'],$data['param_status'],$filter_input,$this-
>num_post, $offset);

        $data['offset']=$offset;
        $num_rows = $this->M_identifikasi-
>count_row_search($data['param_hama'],$data['param_status'],$filter_input);
        if($num_rows>0){
                // Membuat pagination
                $config['base_url'] = base_url().'log_identifikasi/search_data';
                $config['cur_tag_open'] = '<li class=active><a href="#">';
                $config['cur_tag_close'] = '<span class="sr-
only">(current)</span></a></li>';
                $config['num_tag_open'] = '<li>';
                $config['num_tag_close'] = '</li>';
                $config['prev_link'] = '<';
                $config['prev_tag_open'] = '<li>';
                $config['prev_tag_close'] = '</li>';
                $config['next_link'] = '>';
                $config['next_tag_open'] = '<li>';
                $config['next_tag_close'] = '</li>';
                //buat last
                $config['last_tag_open'] = '<li>';
                $config['last_tag_close'] = '</li>';
                $config['last_link'] = '>>';
                //buat first
                $config['first_tag_open'] = '<li>';
                $config['first_tag_close'] = '</li>';
                $config['first_link'] = '<<';
```

```php
            $config['total_rows'] = $num_rows;
            $config['per_page'] = $this->num_post;
            $config['uri_segment'] = $uri_segment;
            $this->pagination->initialize($config);
            $data['pagination'] = $this->pagination->create_links();
        }
        $this->load->view('template',$data);
    }



    public function index($offset = 0){
        //echo 'ini kategori';exit;
        $data['main_view']='log_identifikasi/main_view';
        $data['proses_cari']='log_identifikasi/search_data';
        $uri_segment = 3;

        if($offset != 0){
            $offset = $this->uri->segment($uri_segment);
        }else{
            $offset=$offset;
        }

        $list_hama=$this->M_identifikasi->get_list_hama();

        $tgl_awal=date('Y-m-').'01';
        $tgl_akhir=date('Y-m-d');
        $data['tgl_awal']=$tgl_awal;
        $data['tgl_akhir']=$tgl_akhir;

    $data['arr_status']=array('semua'=>'Semua','ya'=>'Ya','tidak'=>'Tidak','belum'
=>'Belum');

        $data['list_hama']['semua']='Semua Hama';
        if(!empty($list_hama)){
            foreach($list_hama as $row){
                $data['list_hama'][$row['pest_id']]=$row['pest_name_ind'];
            }
        }


        $data['list'] = $this->M_identifikasi->get_data($this->num_post,
$offset);


        $data['offset']=$offset;
        $num_rows = $this->M_identifikasi->count_all_num_rows();
        if($num_rows>0){
            // Membuat pagination
            $config['base_url'] = base_url().'log_identifikasi/index';
            $config['cur_tag_open'] = '<li class=active><a href="#">';
            $config['cur_tag_close'] = '<span class="sr-
only">(current)</span></a></li>';
            $config['num_tag_open'] = '<li>';
            $config['num_tag_close'] = '</li>';
```

```php
            $config['prev_link'] = '<';
            $config['prev_tag_open'] = '<li>';
            $config['prev_tag_close'] = '</li>';
            $config['next_link'] = '>';
            $config['next_tag_open'] = '<li>';
            $config['next_tag_close'] = '</li>';
            //buat last
            $config['last_tag_open'] = '<li>';
            $config['last_tag_close'] = '</li>';
            $config['last_link'] = '>>';
            //buat first
            $config['first_tag_open'] = '<li>';
            $config['first_tag_close'] = '</li>';
            $config['first_link'] = '<<';
            $config['total_rows'] = $num_rows;
            $config['per_page'] = $this->num_post;
            $config['uri_segment'] = $uri_segment;
            $this->pagination->initialize($config);
            $data['pagination'] = $this->pagination->create_links();
        }
        $this->load->view('template',$data);
    }

    function update_status(){
        if(isset($_POST['btn_ya'])){
            $cek=$this->input->post('cek');
            $status='Ya';
            $jumlah=count($cek);
            for($i=0;$i<$jumlah;$i++) {
                $arr_data=array('status_verifikasi'=>$status);
                $this->M_identifikasi-
>update_identifikasi($cek[$i],$arr_data);
            }
            $this->session->set_flashdata('pesan', 'Data Sukses
Diverifikasi');
        }elseif(isset($_POST['btn_tidak'])){
            $cek=$this->input->post('cek');
            $status='Tidak';
            $jumlah=count($cek);
            for($i=0;$i<$jumlah;$i++) {
                $arr_data=array('status_verifikasi'=>$status);
                $this->M_identifikasi-
>update_identifikasi($cek[$i],$arr_data);
            }
            $this->session->set_flashdata('pesan', 'Data Sukses
Diverifikasi');
        }
        redirect('log_identifikasi');
    }
}
?>
```

File /application/models/M_identifikasi.php

```php
<?php
defined('BASEPATH') OR exit('No direct script access allowed');

class M_identifikasi extends CI_Model {

    function get_data($limit, $offset){
            $sql = "SELECT a.*,c.`pest_name_ind`,b.display_name
                        FROM identification_request a LEFT JOIN tbl_lokasi b ON
a.`location_id`=b.`place_id`
                        LEFT JOIN pest c ON
a.`identification_result`=c.`model_name`
                        order by request_date desc limit $offset, $limit ";
                        //echo $sql;
            $query = $this->db->query($sql);
            if ($query->num_rows() > 0) {
                    $result = $query->result_array();
                    $query->free_result();
            } else {
                    $result = array();
            }
            return $result;
    }

    function get_list_hama(){
            $sql="select * from pest order by pest_name_ind asc";
            $query = $this->db->query($sql);
            if ($query->num_rows() > 0) {
                    $result = $query->result_array();
                    $query->free_result();
            } else {
                    $result = array();
            }
            return $result;
    }

    function get_data_search($hama,$status,$filter_tgl,$limit, $offset){
            if($hama=="semua"){
                    $filter_hama="";
            }else{
                    $filter_hama=" and c.pest_id='".$hama."'";
            }
            if($status=="semua"){
                    $filter_status="";
            }elseif($status=="belum"){
                    $filter_status=" and status_verifikasi is null";
            }else{
                    $filter_status=" and status_verifikasi like '%".$status."%'";
            }
            $sql = "SELECT a.*,c.`pest_name_ind`,b.display_name
                        FROM identification_request a LEFT JOIN tbl_lokasi b ON
a.`location_id`=b.`place_id`
                        LEFT JOIN pest c ON
a.`identification_result`=c.`model_name`
                        where 1=1 $filter_hama $filter_status $filter_tgl
                        order by request_date desc limit $offset, $limit";
```

```php
            //echo $sql;
            $query = $this->db->query($sql);
            if ($query->num_rows() > 0) {
                    $result = $query->result_array();
                    $query->free_result();
            } else {
                    $result = array();
            }
            return $result;
    }

    function count_row_search($hama,$status,$filter_tgl){
            if($hama=="semua"){
                    $filter_hama="";
            }else{
                    $filter_hama=" and c.pest_id='".$hama."'";
            }
            if($status=="semua"){
                    $filter_status="";
            }elseif($status=="belum"){
                    $filter_status=" and status_verifikasi is null";
            }else{
                    $filter_status=" and status_verifikasi like '%".$status."%'";
            }

            $sql = "SELECT * FROM identification_request a LEFT JOIN tbl_lokasi b ON
a.`location_id`=b.`place_id`
                         LEFT JOIN pest c ON
a.`identification_result`=c.`pest_name_latin`
                         where 1=1 $filter_hama $filter_status $filter_tgl";
            $query = $this->db->query($sql);
            return $query->num_rows();
    }

    function count_all_num_rows(){
            $sql = "SELECT  *
                         FROM identification_request";
            $query = $this->db->query($sql);
            return $query->num_rows();
    }

    function update_identifikasi($id,$arr_data){
            $this->db->where('identification_id',$id);
            $update=$this->db->update('identification_request',$arr_data);
            return $update;
    }

    function get_statistik_identifikasi($hama,$tgl_awal,$tgl_akhir,$status){
            if($hama=="semua"){
                    $filter_hama="";
            }else{
                    $filter_hama=" and c.pest_id='".$hama."'";
            }
            if($status=="semua"){
                    $filter_status="";
```

```php
        }elseif($status=="belum"){
                $filter_status=" and status_verifikasi is null";
        }else{
                $filter_status=" and status_verifikasi like '%".$status."%'";
        }
        $filter_input=" and date_format(request_date,'%Y-%m-%d') between
'".$tgl_awal."' and '".$tgl_akhir."' ";

        $sql = "SELECT c.`pest_name_ind` AS nama_hama,c.`pest_id`,COUNT(*) AS
jumlah
                        FROM identification_request a
                        LEFT JOIN pest c ON
a.`identification_result`=c.`model_name`
                        WHERE  c.pest_id is not null $filter_input $filter_hama
$filter_status
                        GROUP BY a.`identification_result`
                        ORDER BY jumlah DESC
                        ";
        //echo $sql;
        $query = $this->db->query($sql);
        if ($query->num_rows() > 0) {
                $result = $query->result_array();
                $query->free_result();
        } else {
                $result = array();
        }
        return $result;
    }

    function
get_tabel_statistik_identifikasi($hama,$tgl_awal,$tgl_akhir,$status,$grup_tahun){
        if($hama=="semua"){
                $filter_hama="";
        }else{
                $filter_hama=" and c.pest_id='".$hama."'";
        }
        if($grup_tahun=="checked"){
                $grup_tahun=",DATE_FORMAT(request_date, '%m-%Y') ";
        }else{
                $grup_tahun="";
        }
        if($status=="semua"){
                $filter_status="";
        }elseif($status=="belum"){
                $filter_status=" and status_verifikasi is null";
        }else{
                $filter_status=" and status_verifikasi like '%".$status."%'";
        }
        $filter_input=" and date_format(request_date,'%Y-%m-%d') between
'".$tgl_awal."' and '".$tgl_akhir."' ";

        $sql = "SELECT c.`pest_name_ind` AS
nama_hama,c.`pest_id`,DATE_FORMAT(request_date, '%m-%Y') AS bulan_tahun,COUNT(*)
AS jumlah
                        FROM identification_request a
```

```
                    LEFT JOIN pest c ON
a.`identification_result`=c.`model_name`
                    WHERE  c.pest_id is not null $filter_input $filter_hama
$filter_status
                    GROUP BY a.`identification_result` $grup_tahun
                    ORDER BY jumlah DESC,bulan_tahun DESC
                    ";
        //echo $sql;
        $query = $this->db->query($sql);
        if ($query->num_rows() > 0) {
            $result = $query->result_array();
            $query->free_result();
        } else {
            $result = array();
        }
        return $result;
    }

    function get_statistik_home(){
        $sql = "SELECT c.`pest_name_ind` AS nama_hama,c.`pest_id`,COUNT(*) AS
jumlah
                    FROM identification_request a
                    LEFT JOIN pest c ON
a.`identification_result`=c.`model_name`
                    WHERE a.`status_verifikasi`='ya' AND c.`pest_id` IS NOT
NULL
                    GROUP BY a.`identification_result`
                    ORDER BY jumlah DESC
                    LIMIT 5       ";
        //echo $sql;
        $query = $this->db->query($sql);
        if ($query->num_rows() > 0) {
            $result = $query->result_array();
            $query->free_result();
        } else {
            $result = array();
        }
        return $result;
    }

    function
get_detail_statistik($hama,$tgl_awal,$tgl_akhir,$bulan_tahun,$grup_tahun,$status)
{
        if($hama=="semua"){
            $filter_hama="";
        }else{
            $filter_hama=" and c.pest_id='".$hama."'";
        }
        if($status=="semua"){
            $filter_status="";
        }elseif($status=="belum"){
            $filter_status=" and status_verifikasi is null";
        }else{
            $filter_status=" and status_verifikasi like '%".$status."%'";
        }
```

```php
        if($grup_tahun=="checked"){
               $filter_tahun=" and DATE_FORMAT(request_date, '%m-
%Y')='".$bulan_tahun."' ";
        }else{
               $filter_tahun="";
        }
        $filter_input=" and date_format(request_date,'%Y-%m-%d') between
'".$tgl_awal."' and '".$tgl_akhir."' ";
        $sql = "SELECT a.*,c.`pest_name_ind`,b.display_name
                       FROM identification_request a LEFT JOIN tbl_lokasi b ON
a.`location_id`=b.`place_id`
                       LEFT JOIN pest c ON
a.`identification_result`=c.`model_name`
                       where  c.pest_id is not null $filter_hama $filter_input
$filter_status $filter_tahun
                       order by request_date desc";
        //echo $sql;
        $query = $this->db->query($sql);
        if ($query->num_rows() > 0) {
               $result = $query->result_array();
               $query->free_result();
        } else {
               $result = array();
        }
        return $result;
    }


}
```

File /application/view/log_identifikasi/main_view.php

```html
<script type="text/javascript">
checked = false;
  function checkedAll () {
   if (checked == false){checked = true}else{checked = false}
   for (var i = 0; i < document.getElementById('form').elements.length; i++) {
          document.getElementById('form').elements[i].checked = checked;
   }
   //alert(document.getElementById('form').elements.length);
 }
$(function() {
   $('.tanggal').datepicker({
          format: 'yyyy-mm-dd',
          autoClose: true
   });
});
</script>
<section class="content-header">
   <h1>Log Identifikasi</h1>

</section>

<!-- Main content -->
```

```
<section class="content">
    <div class="row">
            <div class="col-md-12">
                    <div class="box box-primary">
                            <div class="box-header">
                                    <h3 class="box-title">Pencarian</h3>
                            </div><!-- /.box-header -->
                            <div class="col-md-12">
                            <form role="form"  method="post" action="<?php echo
site_url($proses_cari);?>">
                                    <div class="box-body">
                                    <div class="form-group">
                                            <div class="row">

                                            <div class="col-xs-5">
                                            <label for="exampleInputEmail1">Hama</label>
                                            <?php
                                            $js="id='hama' class='form-control'";
                                            echo
form_dropdown('hama',$list_hama,isset($param_hama)? $param_hama:'',$js); ?>
                                            </div>

                                    </div>
                                    </div>

                                    <div class="form-group">
                                            <div class="row">

                                            <div class="col-xs-5">
                                            <label for="exampleInputEmail1">Status
Approve</label>
                                            <?php
                                            $js="id='status' class='form-control'";
                                            echo
form_dropdown('status',$arr_status,isset($param_status)? $param_status:'',$js);
?>
                                            </div>

                                    </div>
                                    </div>
                                    <div class="form-group">
                                            <label for="exampleInputEmail1">Tanggal
Identifikasi</label>
                                            <div class="row">
                                                    <div class="col-xs-1">
                                                    <input <?php echo
isset($param_cek_tgl_input)?$param_cek_tgl_input:'';?> type="checkbox"
value="cek_tgl_input" name="cek_tgl_input" id="cek_tgl_daftar">
                                                    </div>

                                                    <div class="col-xs-2">
                                                    <input class="form-control
tanggal" type="text" id="tgl_awal" name="tgl_awal" value="<?php echo
set_value('tgl_awal',isset($param_tgl_awal)?$param_tgl_awal:$tgl_awal)?>"
style="border:1px solid #ccc;"/>
```

```
                                                </div>

                                                <div class="col-xs-2">
                                                <input type="text"
id="tgl_akhir" name="tgl_akhir" value="<?php echo
set_value('tgl_akhir',isset($param_tgl_akhir)?$param_tgl_akhir:$tgl_akhir)?>"
class="form-control tanggal" style="border:1px solid #ccc;" />
                                                </div>
                                        </div>
                                </div>

                        </div><!-- /.box-body -->

                        <div class="box-footer">
                                <input type="submit" name="cari"
id="cari" class="btn btn-primary" value="Cari">
                        </div>
                </form>

                </div>

                <div class="box-body table-responsive">
                        <?php
                        $flashmessage = $this->session->flashdata('pesan');
                        if(!empty($flashmessage)){
                        ?>
                                <div class="alert alert-success alert-
dismissable">
                                        <i class="fa fa-check"></i>
                                        <button aria-hidden="true" data-
dismiss="alert" class="close" type="button">x</button>
                                        <?php echo $flashmessage; ?>
                                </div>
                        <?php
                        }
                        ?>
                <form action="<?php echo
site_url('log_identifikasi/update_status'); ?>" method="post" name="form"
id="form">
                        <table class="table table-hover table-bordered">
                                <tbody>
                                <tr>
                                        <th style="width:5%">No</th>
                                        <th><input name="cek_semua"
type="checkbox" id="cek_semua" value="checkbox" onclick="checkedAll();" /></th>
                                        <th>Gambar</th>
                                        <th>Tanggal Identifikasi</th>
                                        <th>Hasil Diagnosis Hama</th>
                                        <th style="width:25%">Lokasi</th>
                                        <th>Status Verifikasi</th>
                                </tr>
                                <?php
                                if(!empty($list)){
                                        $no=$offset+1;
                                foreach($list as $val){
```

```php
                                            /*
                                            $path_gambar=$this->config-
>item('cdn_foto_log_identifikasi_path').$val['file_name'];
                                            if(file_exists($path_gambar) &&
$val['file_name']!=""){
                                                    $str_gambar=$this->config-
>item('cdn_foto_log_identifikasi_url').$val['file_name'];
                                            }else{
                                                    $str_gambar=$this->config-
>item('cdn_foto_hama_url').'default.jpg';
                                            }
                                            */
                                            $str_gambar=$this->config-
>item('cdn_foto_log_identifikasi_url').$val['file_name'];
                                            //echo $val['location_id'].'<br>';
                                            if($val['location_id']=='undefined'){
                                                    $str_lokasi='Kosong';
                                            }else{

    $str_lokasi=$val['display_name'];

                                            }
                                            if($val['status_verifikasi']==''){
                                                    $status_verifikasi='Belum';
                                            }else{

    $status_verifikasi=$val['status_verifikasi'];
                                            }
                                    ?>
                                    <tr>
                                            <td><?php echo $no;?></td>
                                            <td><input type="checkbox" name="cek[]"
value="<?php echo $val['identification_id'];?>" /></td>
                                            <td><img src="<?php echo $str_gambar?>"
width="100" /></td>
                                            <td><?php echo date('d-m-Y
H:i:s',strtotime($val['request_date']));?></td>
                                            <td><?php echo
$val['pest_name_ind']?></td>
                                            <td><?php echo $str_lokasi;?></td>
                                            <td><?php echo
$status_verifikasi;?></td>
                                    </tr>
                                    <?php
                                    $no++;
                                    }
                                    }else{
                                    ?>
                                    <td colspan="3">Data tidak ada</td>
                                    <?php
                                    }
                                    ?>
                                    </tbody>
                            </table>
                            <input type="submit" value="Ya" id="btn_ya"
name="btn_ya" class="btn btn-success">
```

```
                                    <input type="submit" value="Tidak" id="btn_tidak"
name="btn_tidak" class="btn btn-danger">
                        </form>
                        </div><!-- /.box-body -->
                        <div class="box-footer clearfix">
                        <?php
                    echo ! empty($pagination) ? '<div class="pagination
pagination-sm no-margin pull-right">' . $pagination . '</div>' : '';
                    ?>
                        </div>


                        </div>
                </div>
        </div>

</section><!-- /.content -->
```

### 3. Modul Statistik Identifikasi

File /application/controller/Statistik_identifikasi.php

```php
<?php
defined('BASEPATH') OR exit('No direct script access allowed');
class Statistik_identifikasi extends CI_Controller {
    function __construct() {
        parent::__construct();
        $this->isLogin();
         $this->num_post=20;
         $this->load->model(array('M_identifikasi'));
    }

    function isLogin(){
        $login=$this->session->userdata('isLogin');
        if(! isset($login)||$login != true){
                $this->session->set_flashdata('error_login', 'Untuk Mengakses
Admin Anda Harus Login!');
                redirect('login');
        }
    }

    public function index(){
        //echo 'ini kategori';exit;
        $data['main_view']='statistik_identifikasi/main_view';
        $data['proses_cari']='statistik_identifikasi/index';

        $list_hama=$this->M_identifikasi->get_list_hama();

        $tgl_awal=date('Y-m-').'01';
        $tgl_akhir=date('Y-m-d');
        $data['tgl_awal']=$tgl_awal;
        $data['tgl_akhir']=$tgl_akhir;
```

```php
    $data['arr_status']=array('semua'=>'Semua','ya'=>'Ya','tidak'=>'Tidak','belum'
=>'Belum');

        $data['list_hama']['semua']='Semua Hama';
        if(!empty($list_hama)){
                foreach($list_hama as $row){
                        $data['list_hama'][$row['pest_id']]=$row['pest_name_ind'];
                }
        }

        if(isset($_POST['cari'])){
                if(isset($_POST['kolom'])){
                        $data['param_cek_kolom'] = "checked";
                        $data['hide_persen']="";
                }else{
                        $data['param_cek_kolom'] = "";
                        $data['hide_persen']="none";
                }
                if(isset($_POST['bulan_tahun'])){
                        $data['param_cek_bulan'] = "checked";
                        $data['param_filter_bulan'] = "checked";
                        $data['hide_bulan']="";
                }else{
                        $data['param_cek_bulan'] = "";
                        $data['param_filter_bulan'] = "none";
                        $data['hide_bulan']="none";
                }
                $data['param_hama'] = $this->input->post('hama');
                $data['param_status'] = $this->input->post('status');
                $data['param_tgl_awal'] = $this->input->post('tgl_awal');
                $data['param_tgl_akhir'] = $this->input->post('tgl_akhir');
                $data['list'] = $this->M_identifikasi-
>get_statistik_identifikasi($data['param_hama'],$data['param_tgl_awal'],$data['pa
ram_tgl_akhir'],$data['param_status']);
                $data['tabel_stat'] = $this->M_identifikasi-
>get_tabel_statistik_identifikasi($data['param_hama'],$data['param_tgl_awal'],$da
ta['param_tgl_akhir'],$data['param_status'],$data['param_cek_bulan']);
                $jml_data=0;
                if(!empty($data['list'])){
                        foreach($data['list'] as $val){
                                $jml_data+=$val['jumlah'];
                        }
                }
                $data['jml_data'] =$jml_data;
        }

        $this->load->view('template',$data);
    }

    function
detail($id_hama,$tgl_awal,$tgl_akhir,$bulan_tahun,$status_grup_tahun,$status_veri
fikasi){
        $data['main_view']='statistik_identifikasi/detail_statistik';
```

```php
        $data['list'] = $this->M_identifikasi-
>get_detail_statistik($id_hama,$tgl_awal,$tgl_akhir,$bulan_tahun,$status_grup_tah
un,$status_verifikasi);
        $this->load->view('template',$data);
    }


}
?>
```

File /application/view/statistik_identifikasi/main_view.php

```php
<script src="<?php echo base_url();
?>assets/js/highcharts/highcharts.js"></script>
<script src="<?php echo base_url(); ?>assets/js/highcharts/jquery.highchartTable-
min.js"></script>
<script type="text/javascript">
$(function() {
    $('.tanggal').datepicker({
        format: 'yyyy-mm-dd',
        autoClose: true
    });
    $('#chart_kolom').highchartTable();
    $('#chart_donut').highchartTable();
});
</script>
<section class="content-header">
    <h1>Statistik Identifikasi</h1>

</section>

<!-- Main content -->
<section class="content">
    <div class="row">
        <div class="col-md-12">
            <div class="box box-primary">
                <div class="box-header">
                    <h3 class="box-title">Pencarian</h3>
                </div><!-- /.box-header -->

                <form role="form"  method="post" action="<?php echo
site_url($proses_cari);?>">
                    <div class="box-body">
                    <div class="form-group">
                        <div class="row">

                        <div class="col-xs-5">
                        <label for="exampleInputEmail1">Hama</label>
                        <?php
                        $js="id='hama' class='form-control'";
                        echo
form_dropdown('hama',$list_hama,isset($param_hama)? $param_hama:'',$js); ?>
                        </div>
```

```html
										</div>
										</div>

										<div class="form-group">
											<div class="row">

											<div class="col-xs-5">
											<label for="exampleInputEmail1">Status
Approve</label>

											<?php
											$js="id='status' class='form-control'";
											echo
form_dropdown('status',$arr_status,isset($param_status)? $param_status:'',$js);
?>

											</div>

										</div>
										</div>

										<div class="form-group">
											<label for="exampleInputEmail1">Tanggal
Identifikasi</label>
											<div class="row">


												<div class="col-xs-2">
												<input class="form-control
tanggal" type="text" id="tgl_awal" name="tgl_awal" value="<?php echo
set_value('tgl_awal',isset($param_tgl_awal)?$param_tgl_awal:$tgl_awal)?>"
style="border:1px solid #ccc;"/>
												</div>

												<div class="col-xs-2">
												<input type="text"
id="tgl_akhir" name="tgl_akhir" value="<?php echo
set_value('tgl_akhir',isset($param_tgl_akhir)?$param_tgl_akhir:$tgl_akhir)?>"
class="form-control tanggal" style="border:1px solid #ccc;" />
												</div>
											</div>
										</div>
										<div class="form-group">
											<div class="row">

											<div class="col-xs-5">
											<label for="exampleInputEmail1">Kolom
Tambahan</label>
											<table class="table table-condensed">
												<tr>
													<td><input <?php echo
isset($param_cek_kolom)?$param_cek_kolom:'';?> type="checkbox" name="kolom"
value="persen" > Persentase</td>
												</tr>
												<tr>
```

```php
                                                <td><input <?php echo
isset($param_cek_bulan)?$param_cek_bulan:'';?> type="checkbox" name="bulan_tahun"
value="bulan_tahun" > Bulan Tahun</td>
                                        </tr>
                                </table>

                        </div>

                </div>
                </div>

                        </div><!-- /.box-body -->

                        <div class="box-footer">
                                <input type="submit" name="cari"
id="cari" class="btn btn-primary" value="Cari">
                        </div>
                </form>
                <?php
                if(isset($_POST['cari'])){
                ?>
                <div class="box-body table-responsive">

                        <table class="table table-hover table-bordered">

                                <tr>
                                        <th style="width:5%">No</th>
                                        <th>Nama Hama</th>
                                        <th style="display:<?php echo
$hide_bulan?>">Bulan Tahun</th>

                                        <th>Jumlah</th>

                                        <th style="display:<?php echo
$hide_persen?>">Persentase</th>
                                </tr>
                                <tbody>
                                <?php
                                $jml_persen=0;
                                if(!empty($tabel_stat)){
                                        $no=1;
                                        foreach($tabel_stat as $val){

    $persen=round(($val['jumlah']/$jml_data*100),2);
                                                $jml_persen+=$persen;

    $url=site_url('statistik_identifikasi/detail/'.$val['pest_id'].'/'.$param_tgl_
awal.'/'.$param_tgl_akhir.'/'.$val['bulan_tahun'].'/'.$param_filter_bulan.'/'.$pa
ram_status);
                                                ?>
                                                <tr>
                                                <td><?php echo $no?></td>
                                                <td><?php echo $val['nama_hama']?></td>
                                                <td style="display:<?php echo
$hide_bulan?>"><?php echo $val['bulan_tahun'];?></td>
```

```php
                                                <td><a href="<?php echo $url?>"
target="_blank"><?php echo $val['jumlah']?></a></td>

                                                <td style="display:<?php echo
$hide_persen?>"><?php echo $persen;?></td>
                                                </tr>
                                                <?php
                                                        $no++;
                                                    }
                                                }
                                                ?>
                                                </tbody>
                                                <tfoot>
                                                <tr>
                                                        <td colspan="2">Jumlah</td>
                                                        <td style="display:<?php echo
$hide_bulan?>"></td>

                                                        <td><?php echo $jml_data;?></td>
                                                        <td style="display:<?php echo
$hide_persen?>"><?php echo $jml_persen;?></td>
                                                </tr>
                                                </tfoot>
                                        </table>

                            </div>

                            <?php
                            }
                            ?>

                    </div>
            </div>
    </div>
    <?php
    if(isset($_POST['cari'])){
    ?>
    <div class="row">
            <!-- Left col -->
            <div class="col-md-6">
                    <div class="box box-info">
                            <div class="box-header with-border">
                                <i class="fa fa-bar-chart-o"></i><h3 class="box-
title">Grafik Identifikasi</h3>

                                <div id="tabel_kolom"></div>
                                <table id="chart_kolom" class="highchart" data-graph-
container="#tabel_kolom"  data-graph-type="column" style="display:none" data-
graph-xaxis-max="<?php echo (count($list)-1)?>">
                                        <thead>
                                                <tr>
                                                        <th>Nama Hama</th>
                                                        <th>Jumlah</th>


                                                </tr>
```

```
                                                        </thead>
                                                        <tbody>
                                                        <?php
                                                        if(!empty($list)){
                                                                foreach($list as $val){


                                                        ?>
                                                                <tr>
                                                                        <td><?php echo
$val['nama_hama']?></td>
                                                                        <td><?php echo
$val['jumlah']?></td>
                                                                </tr>
                                                        <?php
                                                                }
                                                        }
                                                        ?>
                                                        </tbody>
                                </table>
                        </div>
                </div>
        </div>
        <div class="col-md-6">
                <div class="box box-info">
                        <div class="box-header with-border">
                                <i class="fa fa-bar-chart-o"></i><h3 class="box-
title">Grafik Identifikasi</h3>

                                <div id="tabel_donut"></div>
                                <table id="chart_donut" class="highchart" data-graph-
container="#tabel_donut"  data-graph-type="pie" style="display:none">
                                                <thead>
                                                        <tr>
                                                                <th>Nama Hama</th>
                                                                <th>Jumlah</th>


                                                        </tr>
                                                </thead>
                                                <tbody>
                                                <?php
                                                if(!empty($list)){
                                                        foreach($list as $val){


                                                ?>
                                                        <tr>
                                                                <td><?php echo
$val['nama_hama']?></td>
                                                                <td><?php echo
$val['jumlah']?></td>
                                                        </tr>
                                                <?php
                                                        }
```

```
                                        }
                                        ?>
                                        </tbody>
                        </table>
                    </div>
                </div>
            </div>
        </div>
        <?php
        }
        ?>
</section><!-- /.content -->
```

File /application/view/statistik_identifikasi/detail_statistik.php

```
<script type="text/javascript">
checked = false;
  function checkedAll () {
   if (checked == false){checked = true}else{checked = false}
   for (var i = 0; i < document.getElementById('form').elements.length; i++) {
        document.getElementById('form').elements[i].checked = checked;
   }
   //alert(document.getElementById('form').elements.length);
 }
$(function() {
   $('.tanggal').datepicker({
        format: 'yyyy-mm-dd',
        autoClose: true
   });
});
</script>
<section class="content-header">
   <h1>Detail Statistik Hama</h1>

</section>

<!-- Main content -->
<section class="content">
   <div class="row">
        <div class="col-md-12">
            <div class="box box-primary">


                    <div class="box-body table-responsive">

                        <table class="table table-hover table-bordered">
                            <tbody>
                            <tr>
                                <th style="width:5%">No</th>
                                <th>Gambar</th>
                                <th>Tanggal Identifikasi</th>
                                <th>Hasil Diagnosis Hama</th>
                                <th style="width:25%">Lokasi</th>
```

```php
                                                </tr>
                                                <?php
                                                if(!empty($list)){
                                                        $no=1;
                                                foreach($list as $val){
                                                        /*
                                                        $path_gambar=$this->config-
>item('cdn_foto_log_identifikasi_path').$val['file_name'];
                                                        if(file_exists($path_gambar) &&
$val['file_name']!=""){
                                                                $str_gambar=$this->config-
>item('cdn_foto_log_identifikasi_url').$val['file_name'];
                                                        }else{
                                                                $str_gambar=$this->config-
>item('cdn_foto_hama_url').'default.jpg';
                                                        }
                                                        */
                                                        $str_gambar=$this->config-
>item('cdn_foto_log_identifikasi_url').$val['file_name'];
                                                        //echo $val['location_id'].'<br>';
                                                        if($val['location_id']=='undefined'){
                                                                $str_lokasi='Kosong';
                                                        }else{

    $str_lokasi=$val['display_name'];

                                                        }
                                                ?>
                                                <tr>
                                                        <td><?php echo $no;?></td>
                                                        <td><img src="<?php echo $str_gambar?>"
width="100" /></td>
                                                        <td><?php echo date('d-m-Y
H:i:s',strtotime($val['request_date']));?></td>
                                                        <td><?php echo
$val['pest_name_ind']?></td>
                                                        <td><?php echo $str_lokasi;?></td>
                                                </tr>
                                                <?php
                                                $no++;
                                                }
                                                }else{
                                                ?>
                                                <td colspan="3">Data tidak ada</td>
                                                <?php
                                                }
                                                ?>
                                                </tbody>
                                        </table>
                                </div><!-- /.box-body -->


                        </div>
                </div>
        </div>
```

```
</section><!-- /.content -->
```