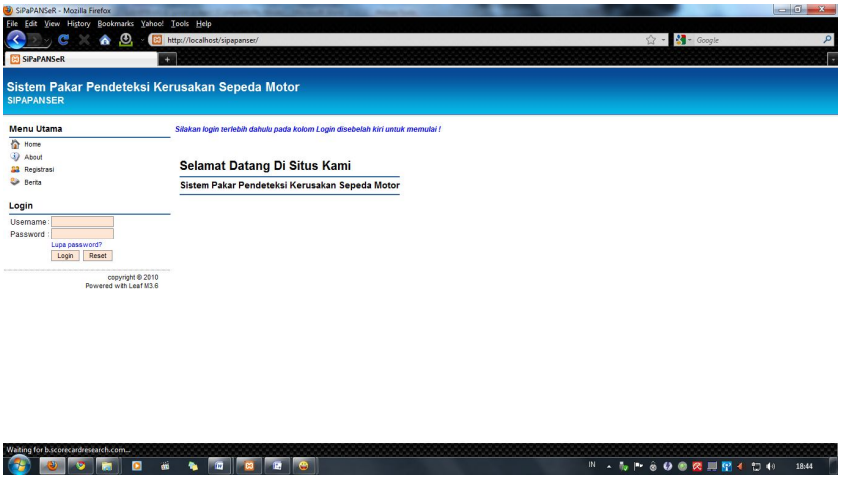
LAMPIRAN A

TAMPILAN ANTAR MUKA

LAMPIRAN A

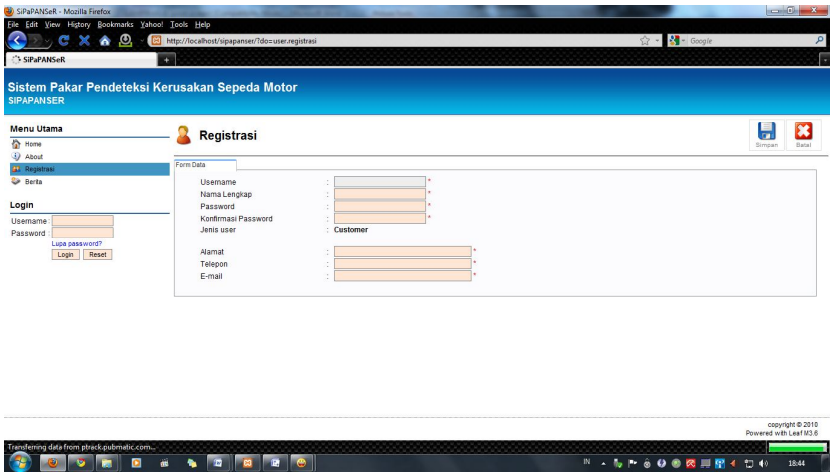
TAMPILAN ANTAR MUKA

1. Tampilan Home



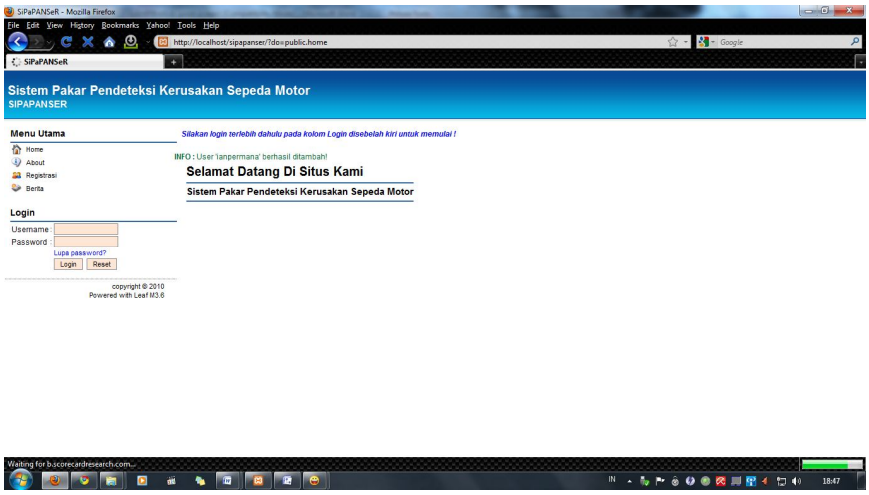
Gambar A.1 Tampilan Home

2. Tampilan Menu Registrasi



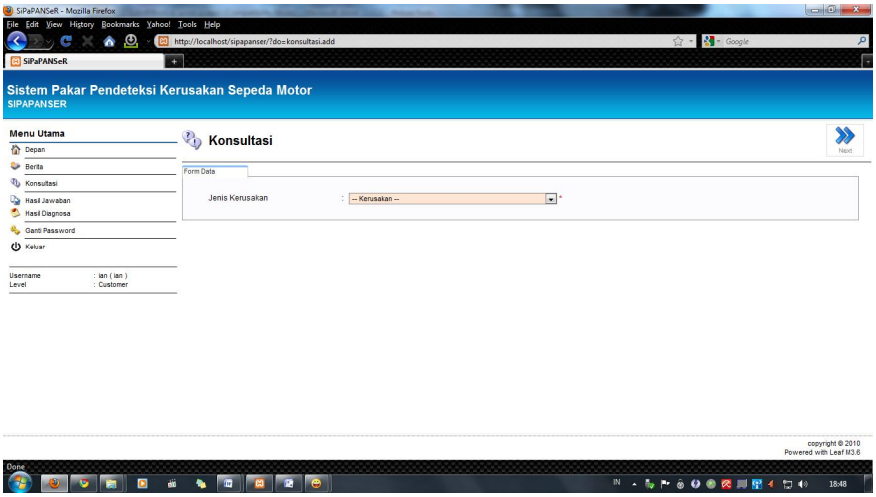
Gambar A.2 Tampilan Menu Registrasi

3. Tampilan Login



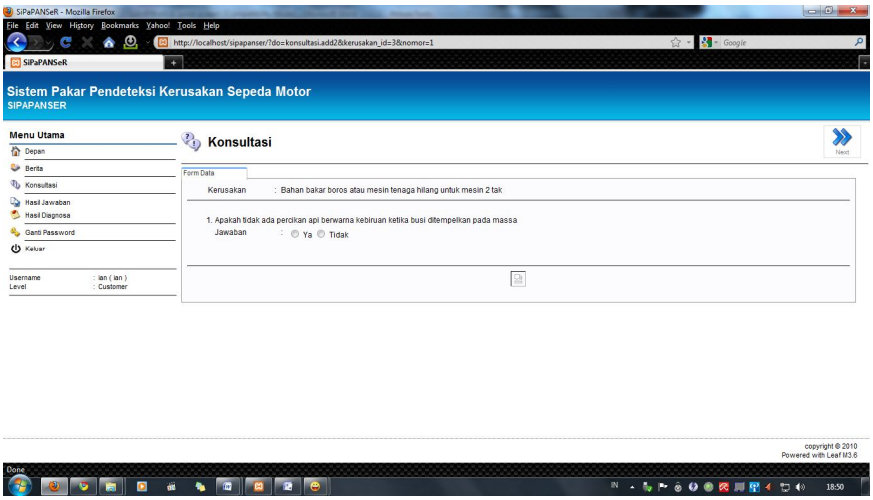
Gambar A.3Tampilan Login

4. Tampilan Diagnosa (pilihan kerusakan)



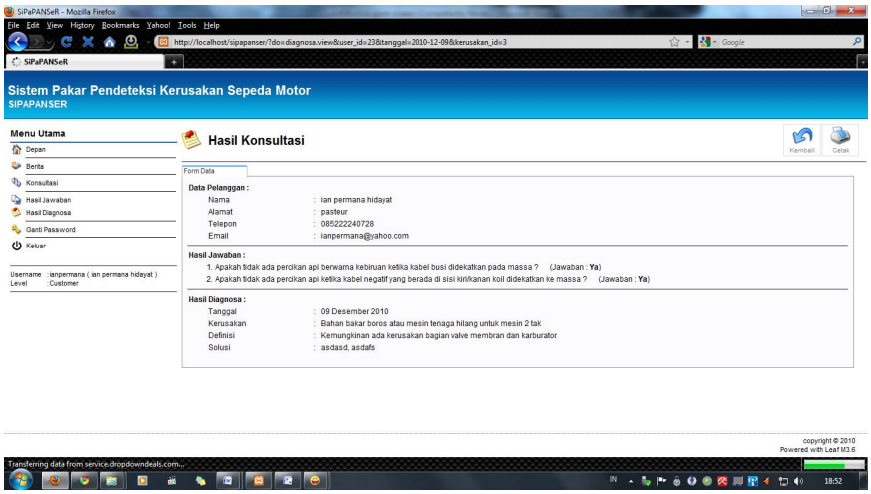
Gambar A.4 Tampilan Diagnosa (pilihan kerusakan)

5. Tampilan Diagnosa (pilihan pertanyaan)



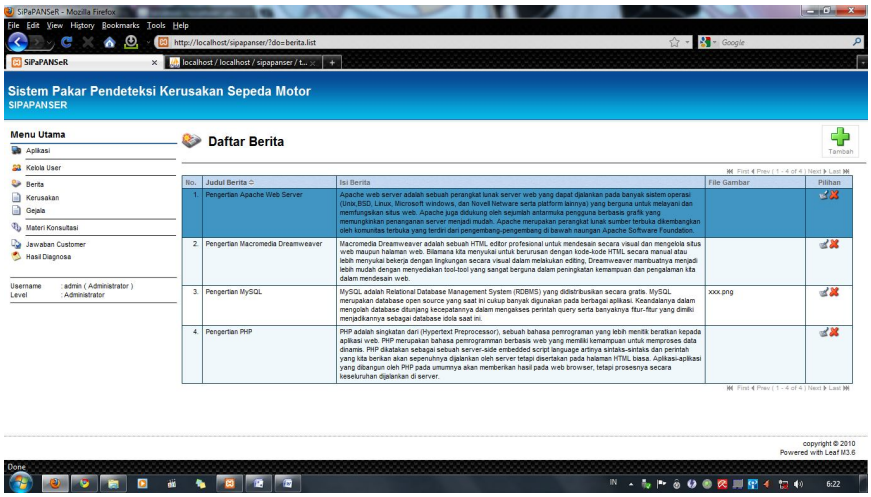
Gambar A.5 Tampilan Diagnosa (pilihan pertanyaan)

6. Tampilan Menu Hasil diagnosa



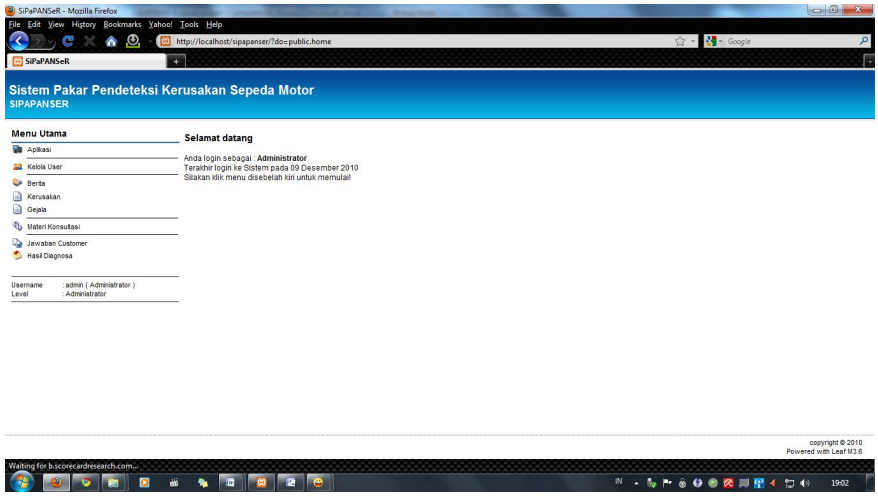
Gambar A.6 Tampilan Menu Hasil diagnosa

7. Tampilan Menu Berita



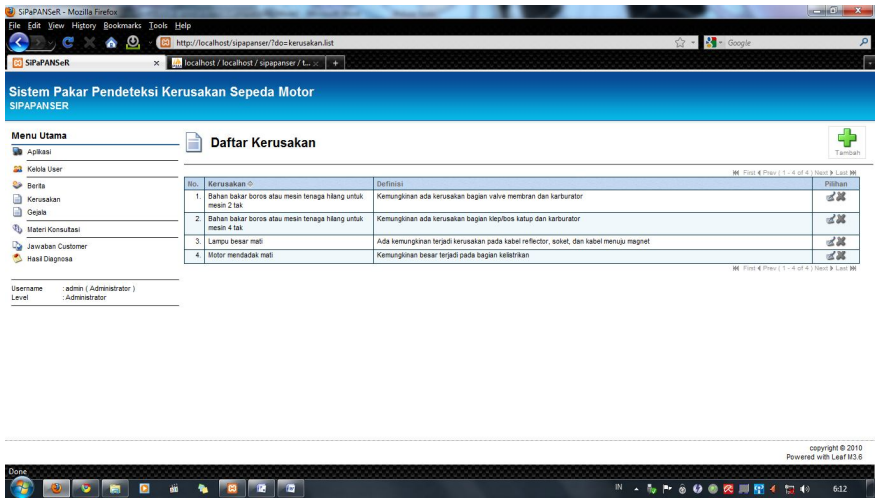
Gambar A.7 Tampilan Menu Berita

8. Tampilan Menu Admin



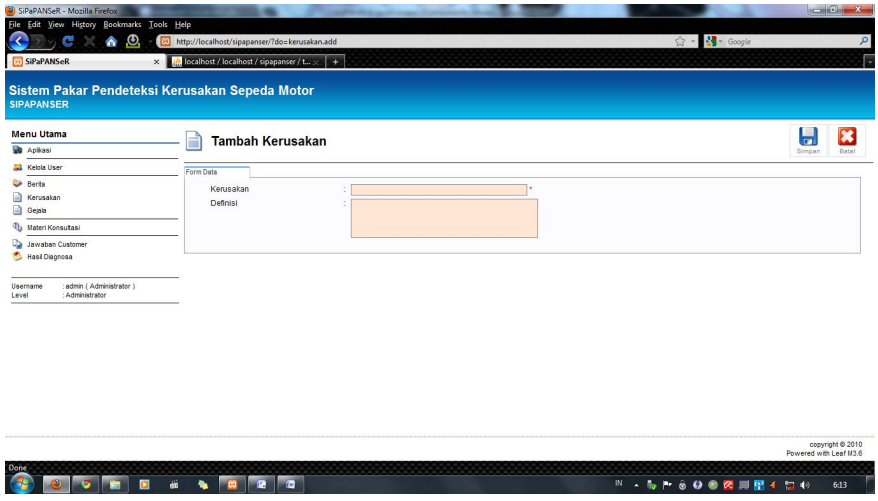
Gambar A.8 Tampilan Menu Admin

9. Tampilan Pengolahan Data kerusakan



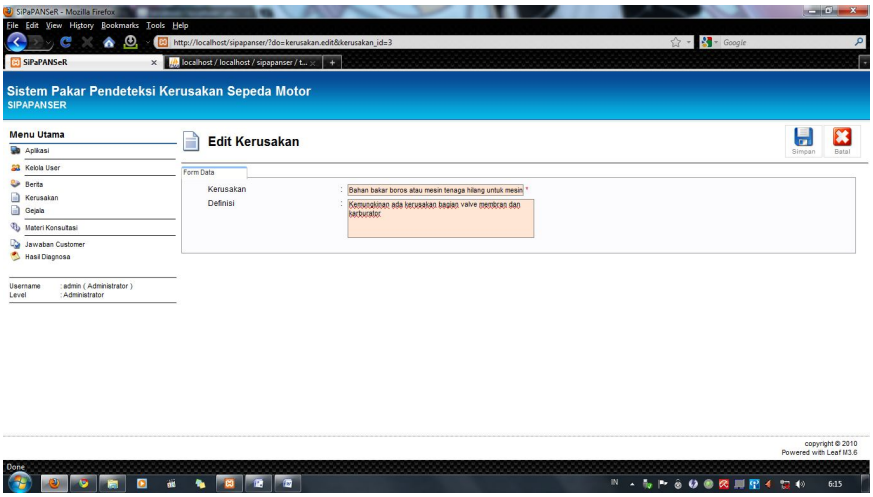
Gambar A.9 Tampilan Pengolahan Data Kerusakan

10. Tampilan Tambah Data Kerusakan



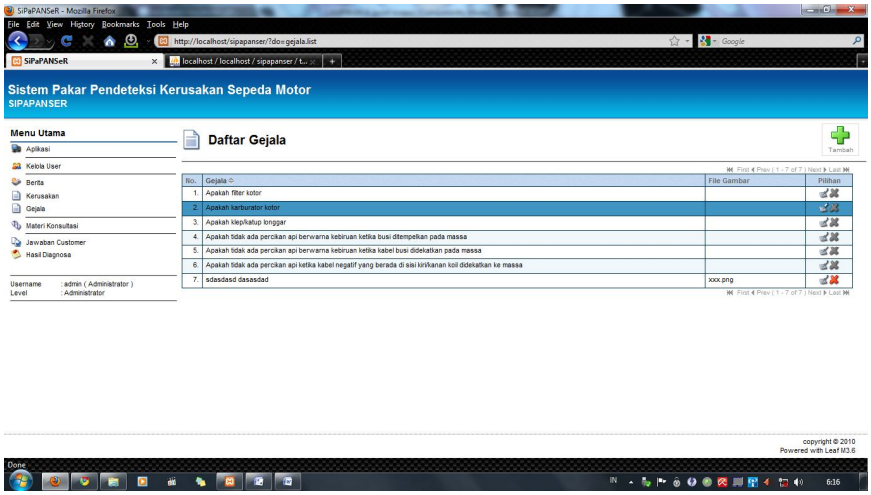
Gambar A.10 Tampilan tambah data Kerusakan

11. Tampilan Ubah Data Kerusakan



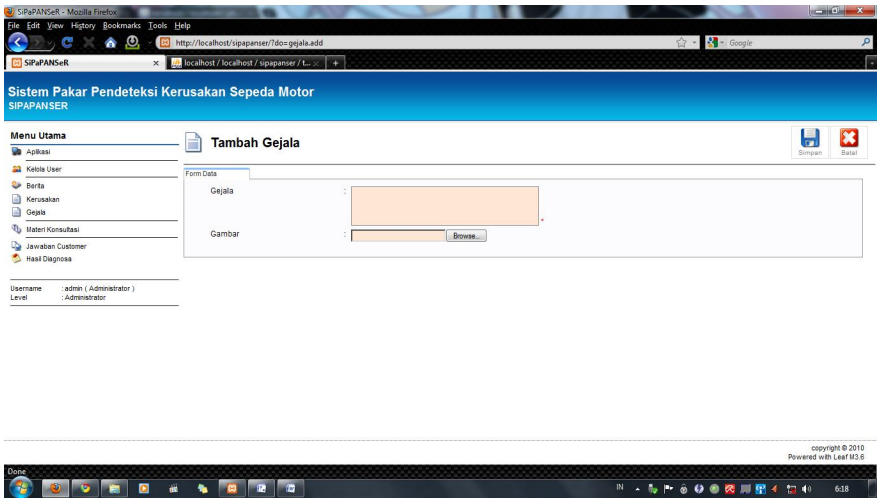
Gambar A.11 Tampilan Ubah Data Kerusakan

12. Tampilan Data Gejala



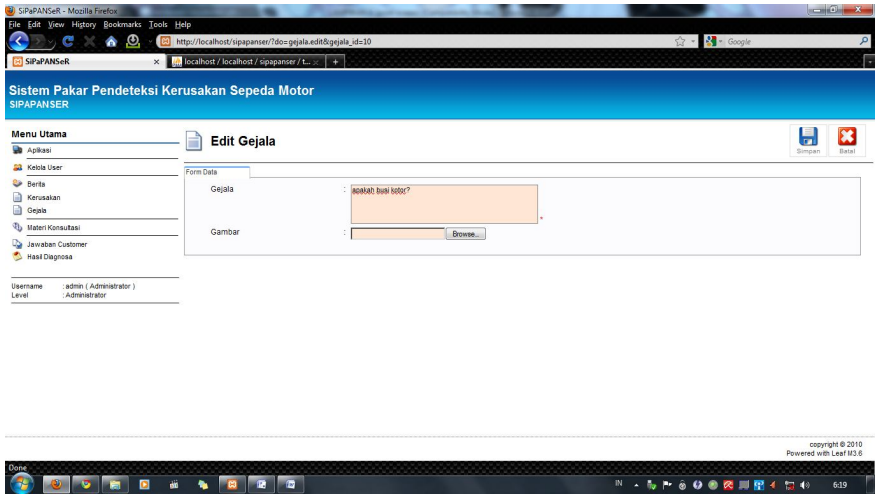
Gambar A.12 Tampilan Data Gejala

13. Tampilan Tambah Data Gejala



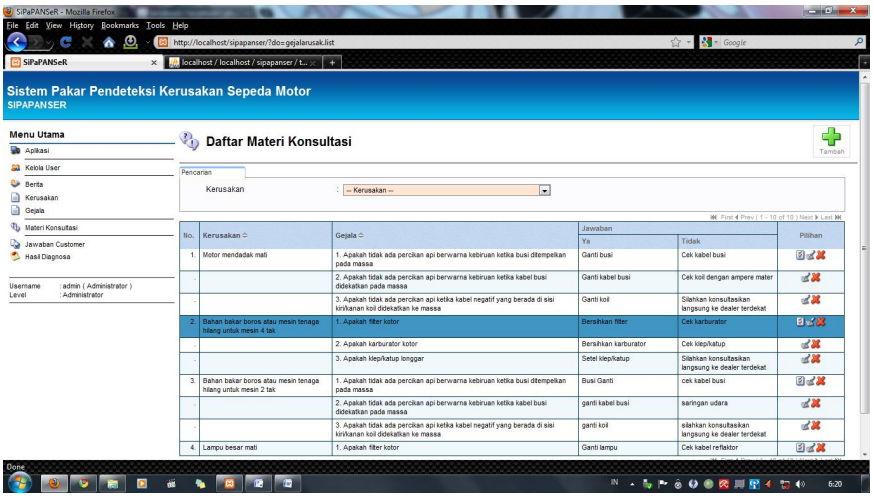
Gambar A.13 Tampilan Tambah Data Gejala

14. Tampilan Ubah data gejala



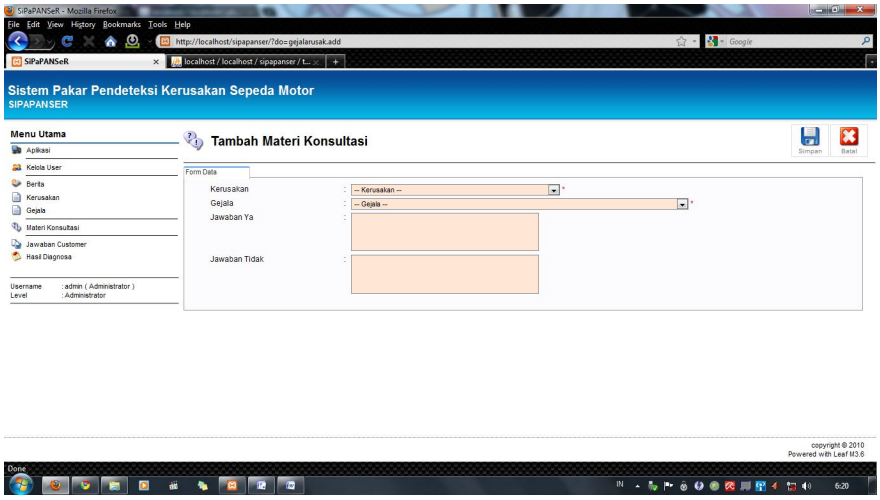
Gambar A.14 Tampilan Ubah data gejala

15. Tampilan data materi konsultasi



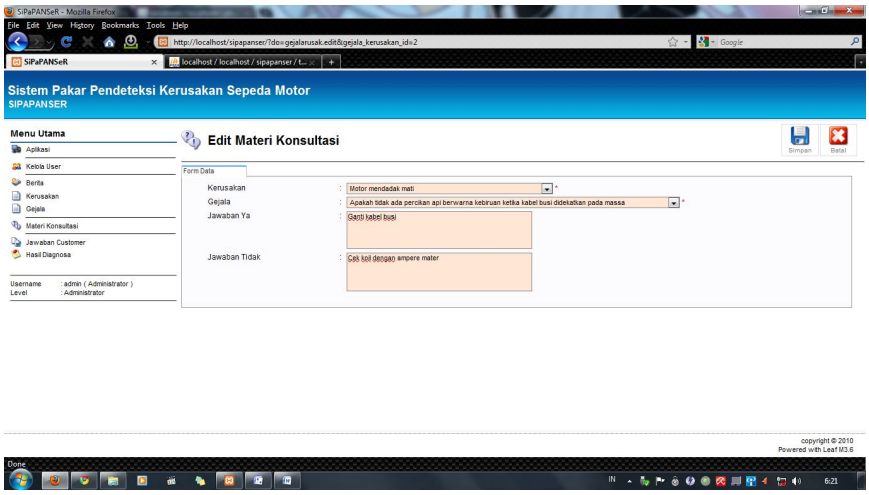
Gambar A.15 Tampilan data materi konsultasi

16. Tampilan tambah data materi konsultasi



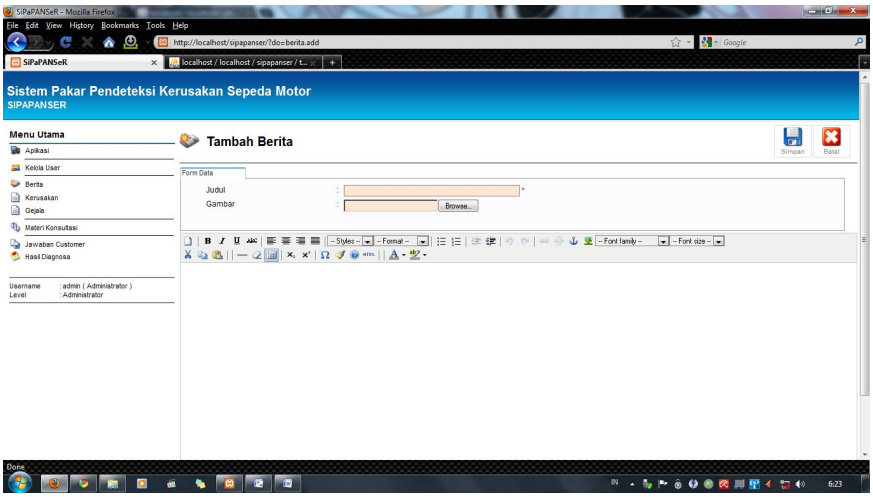
Gambar A.16 Tampilan tambah data materi konsultasi

17. Tampilan ubah data materi konsultasi



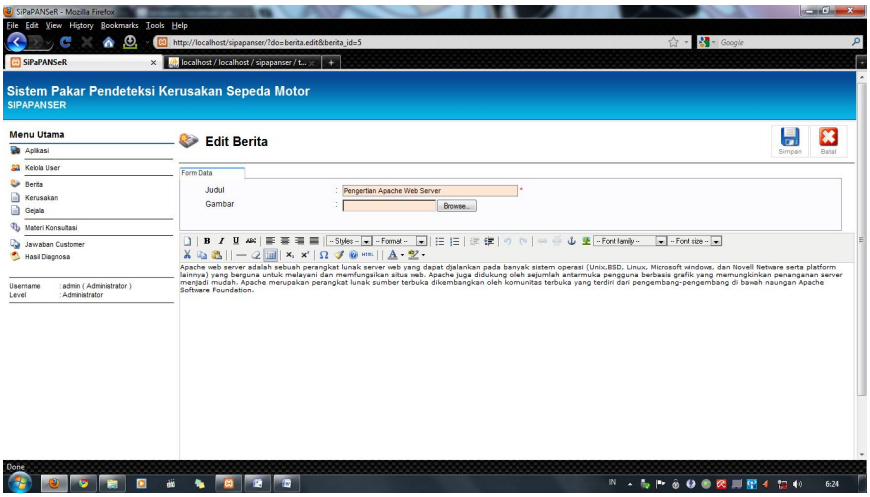
Gambar A.17 Tampilan Ubah data materi konsultasi

18. Tampilan Tambah data berita



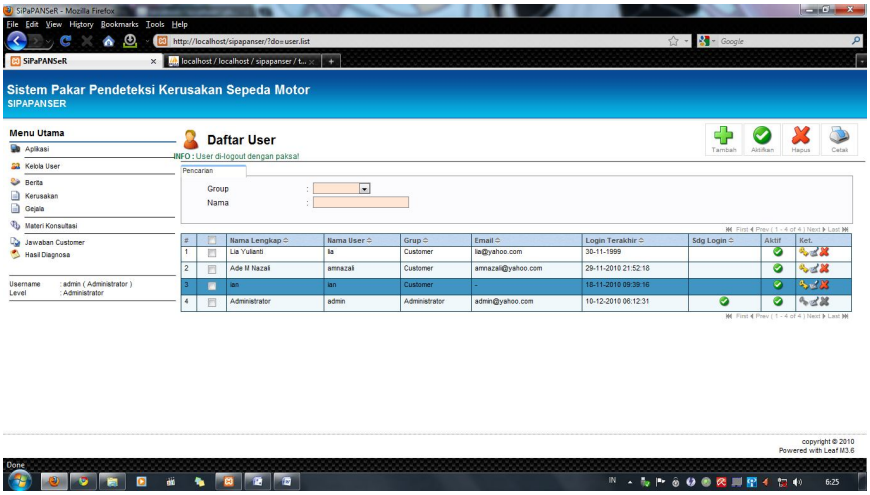
Gambar A.18 Tampilan Tambah data berita

19. Tampilan ubah data berita



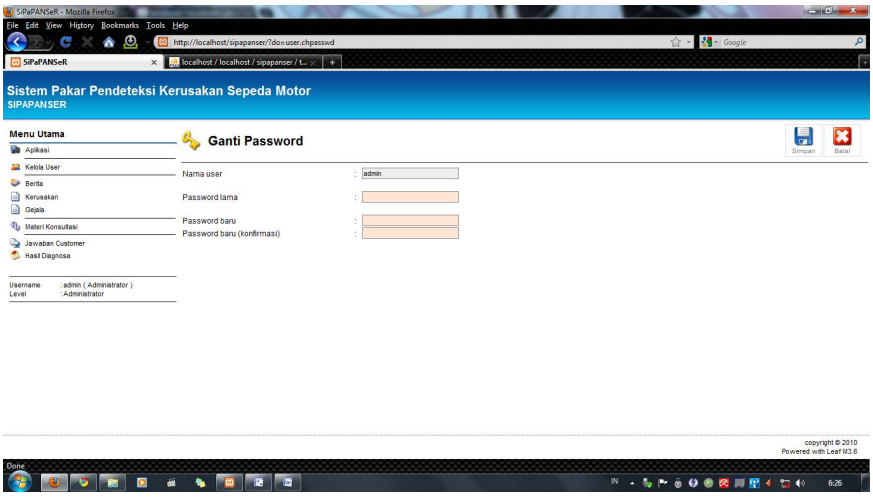
Gambar A.19 Tampilan Tambah data berita

20. Tampilan menu kelola user



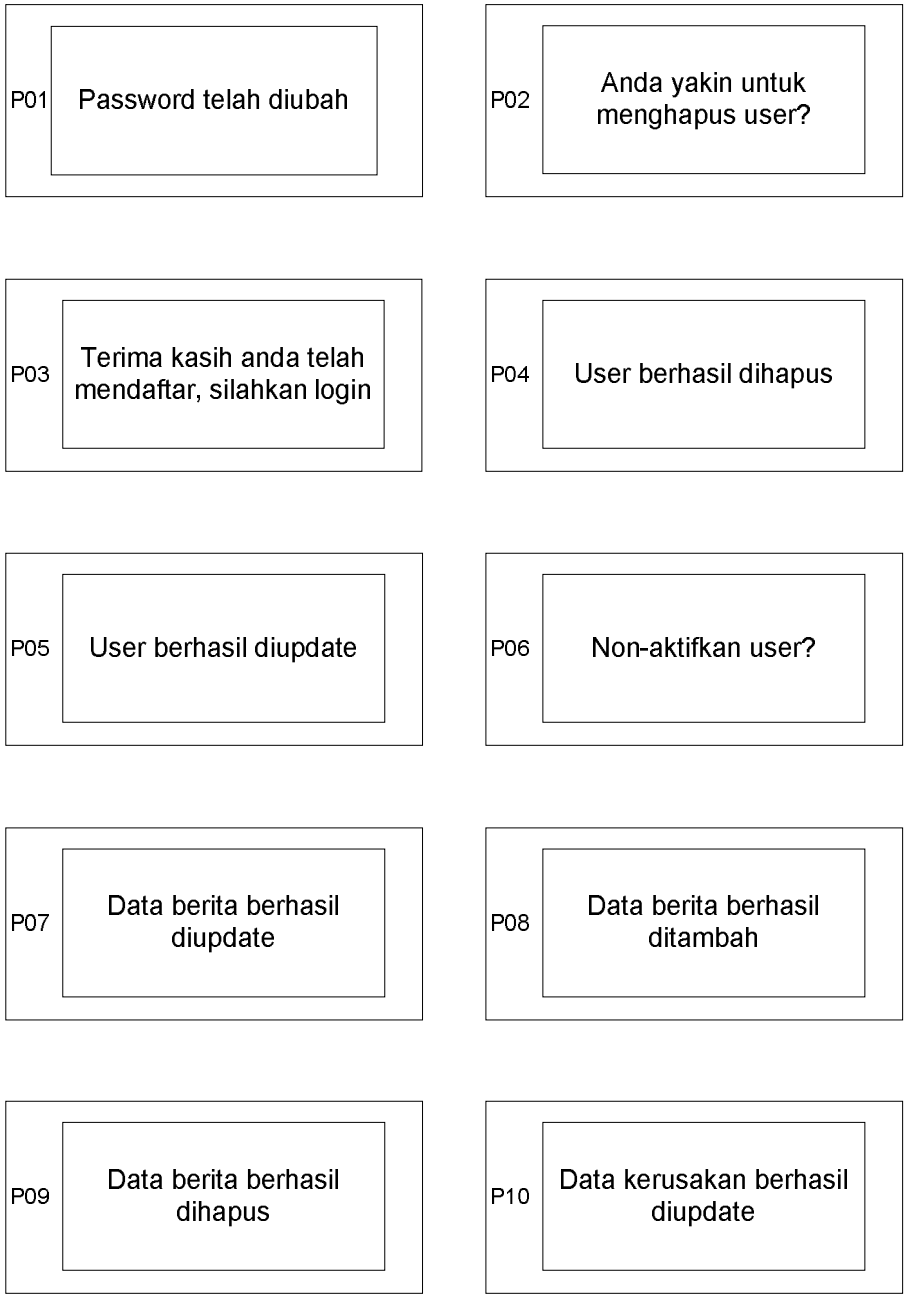
Gambar A.20 Tampilan menu kelola user

21. Tampilan ubah password



Gambar A.21 Tampilan ubah password

2.2 Tampilan Pesan



Tampilan Pesan (Lanjutan)



Gambar 2.2 Tampilan Pesan

LAMPIRAN B

LISTING PROGRAM

(Source code untuk tampilan home admin)

Menu.admin.php

```
<?xml  version='1.0'?>

<treemenu>

   <node text='Aplikasi' icon='workstation2.png'>

      <node text='Depan' link='?do=public.home'
icon='home.png'/>

      <node text='Ganti Password'
link='?do=user.chpasswd' icon='key1.png'/>

      <node text='Preferensi' link='?do=preference.main'
icon='pens.png'/>

      <node text='--split--'/>

      <node text='Keluar' link='?do=auth.logout'
icon='exit.png'/>

   </node>

   <node text='--split--'/>

   <node text='Kelola User' link='?do=user.list'
icon='users2.png'/>

   <node text='--split--'/>

   <node text='Berita' link='?do=berita.list'
icon='news_new.png'/>

   <node text='Kerusakan' link='?do=kerusakan.list'
icon='document.png'/>

   <node text='Gejala' link='?do=gejala.list'
icon='document.png'/>

   <node text='--split--'/>

   <node text='Materi Konsultasi'
link='?do=gejalarusak.list'
icon='question_and_answer.png'/>

   <node text='--split--'/>

   <node text='Jawaban Customer'
link='?do=konsultasi.list'
icon='documents_preferences.png'/>

   <node text='Hasil Diagnosa' link='?do=diagnosa.list'
icon='note_pinned.png'/>

</treemenu>
```

(Source code untuk tampilan menu customer)

Menu.customer.php

```
<?xml  version='1.0'?>

<treemenu>

   <node text='Depan' link='.' icon='home.png'/>

   <node text='--split--'/>

   <node text='Berita' link='?do=berita.view'
icon='news_new.png'/>

   <node text='--split--'/>

   <node text='Konsultasi' link='?do=konsultasi.add'
icon='question_and_answer.png'/>

   <node text='--split--'/>

   <node text='Hasil Jawaban' link='?do=konsultasi.list'
icon='documents_preferences.png'/>

   <node text='Hasil Diagnosa' link='?do=diagnosa.list'
icon='note_pinned.png'/>

   <node text='--split--'/>

   <node text='Ganti Password' link='?do=user.chpasswd'
icon='key1.png'/>

   <node text='--split--'/>

   <node text='Keluar' link='?do=auth.logout'
icon='exit.png'/>

</treemenu>
```

Menu.public.php

```
<?xml   version='1.0'?>

<treemenu>

                    <node text='Home'
link='?do=public.home' icon='home.png'/>

   <node text='About' link='?do=public.about'
icon='about.png'/>    <node text='Registrasi'
link='?do=user.registrasi' icon='users2.png'/>

   <node text='Berita' link='?do=berita.view'
icon='news_new.png'/>

</treemenu>
```

(Source code untuk tampilan konsultasi user)

Konsultasi.php

```
<?php


   extract($_POST);

   extract($_GET);


   switch ($action) {

      case "add" :

                        // PERTANYAAN PERTAMA DI
TABEL GEJALA KERUSAKAN

                                          $res =
$LeafDB->query("select min(nomor) as firstnumber from
".TBL_GEJALARUSAK." where kerusakan_id =
'".$kerusakan_id."'");

                              $firstNumber = $res[0]-
>firstnumber;

                              $result = 1;

                              if ($result) {

                                                $Leaf-
>MessageAlert->setMessage($msg,TRUE);

                                                header
("Location: ?do=$Leaf-
>circuit.add2&kerusakan_id=$kerusakan_id&nomor=$fir
stNumber");

                                                exit;

                                             }

                        break;

      case "add2" :

                              // USER


$user_id = $User->get("userid");

                        // TANGGAL

                        $datenow = date("Y-m-d");

                        // NOMOR SELANJUTNYA

                        $nextnumber = $nomor+1;



                        // KERUSAKAN


               $resKerusakan = $LeafDB->query("select *
from ".TBL_KERUSAKAN." where kerusakan_id =
'".$kerusakan_id."'");

                              $kerusakan_nama =
$resKerusakan[0]->kerusakan_nama;



            // JAWABAN DARI PERTANYAAN
KONSULTASI

            if ($jawaban == 1) {

                                    $result =
$LeafDB->query("insert into ".TBL_MENJAWAB."
(user_id,kerusakan_id,gejala_id,jawaban,tanggal_jawab)
```

```
values
('$user_id','$kerusakan_id','$gejala_id','$jawaban','$datenow')");

            } else {

                        $result = 1;

            }


        $resSolusi = $LeafDB->query("select count(kerusakan_id) as jmlPertanyaan from ".TBL_GEJALARUSAK." where kerusakan_id = '".$kerusakan_id."' and nomor = '".$nextnumber."'");

                        if ($resSolusi[0]->jmlPertanyaan == 0 || $resSolusi[0]->jmlPertanyaan == '') {

                        //
SOLUSI JAWABAN

            $que = "select * from ".TBL_MENJAWAB." where kerusakan_id = '".$kerusakan_id."' and user_id = '".$user_id."'";

$resSolusi = $LeafDB->query($que);

                        if
($resSolusi) {

            $solusi_jawaban = '';

            if (is_array($resSolusi)) foreach ($resSolusi as $item) {

                $res = $LeafDB->query("select jawab_ya from ".TBL_GEJALARUSAK." where kerusakan_id = '".$item->kerusakan_id."' and gejala_id = '".$item->gejala_id."'");

                $solusi_jawaban .= ($solusi_jawaban=="" ? "" : ", ").$res[0]->jawab_ya;

            }


            $result = $LeafDB->query("insert into ".TBL_DIAGNOSA." (user_id,kerusakan_id,tanggal,persentase,solusi) values ('$user_id','$kerusakan_id','$datenow','$persentase','$solusi_jawaban')");


                        $msg = "Pertanyaan yang disediakan sudah habis! Silahkan konsultasikan kerusakan lainnya!";

                    } else {

                $result = 1;


            $msg = "Tidak ada solusi untuk keluhan Anda. Silahkan konsultasikan langsung ke dealer terdekat!";

                    }

                        if
($result) {

                        $Leaf->MessageAlert->setMessage($msg,TRUE);

                        header ("Location: ?do=$Leaf->circuit.add");

                        exit;

                    }
                        } else {

                    $answer = $jawaban==1 ? "Ya" : "Tidak";
```

```
                    $msg = "Anda menjawab '$answer'! Silahkan jawab untuk pertanyaan selanjutnya!";

                if ($result) {

                    $Leaf->MessageAlert->setMessage($msg,TRUE);

                    header ("Location: ?do=$Leaf->circuit.add2&kerusakan_id=$kerusakan_id&nomor=$nextnumber");

                    exit;

                }

            }

/**

        if ($jawaban == 2) {

                //$result = $LeafDB->query("insert into ".TBL_MENJAWAB." (user_id,gejala_kerusakan_id,jawaban) values ('$user_id','$gejala_kerusakan_id','$jawaban')");

                    $nomor = $nomor+1;

                    $resSolusi = $LeafDB->query("select count(kerusakan_id) as jmlPertanyaan from ".TBL_GEJALARUSAK." where kerusakan_id = '".$kerusakan_id."' and nomor = '".$nomor."'");

                    if ($resSolusi[0]->jmlPertanyaan == 0 || $resSolusi[0]->jmlPertanyaan == '') {

$solusi_jawaban = 'Tidak ada solusi untuk keluhan Anda!';

                    $result = $LeafDB->query("insert into ".TBL_DIAGNOSA." (user_id,kerusakan_id,tanggal,persentase,solusi) values ('$user_id','$kerusakan_id','$datenow','$persentase','$solusi_jawaban')");

            $msg = "Tidak ada solusi untuk keluhan Anda. Silahkan konsultasikan langsung ke dealer terdekat!";

                if ($result) {

                    $Leaf->MessageAlert->setMessage($msg,TRUE);

                    header ("Location: ?do=$Leaf->circuit.add");

                    exit;

                }

            } else {

                    $result = 1;

                    $msg = "Silahkan jawab untuk pertanyaan selanjutnya!";

                if ($result) {

                    $Leaf->MessageAlert->setMessage($msg,TRUE);

                    header ("Location: ?do=$Leaf->circuit.add2&kerusakan_id=$kerusakan_id&nomor=$nomor");

                    exit;

                }
```

```
                    }

                    } else {

                $result = $LeafDB->query("insert into
".TBL_MENJAWAB."
(user_id,gejala_kerusakan_id,jawaban,tanggal_jawab)
values
('$user_id','$gejala_kerusakan_id','$jawaban','$datenow')")
;



                                                //
SOLUSI JAWABAN


            $resSolusi = $LeafDB->query("select
jawab_ya from ".TBL_GEJALARUSAK." where
kerusakan_id = '".$kerusakan_id."' and nomor =
'".$nomor."'");

                                    $solusi_jawaban =
$resSolusi[0]->jawab_ya;



                                    $result = $LeafDB-
>query("insert into ".TBL_DIAGNOSA."
(user_id,kerusakan_id,tanggal,persentase,solusi) values
('$user_id','$kerusakan_id','$datenow','$persentase','$solus
i_jawaban')");



                                    $msg = "Data
Konsultasi dengan kerusakan '$kerusakan_nama' berhasil
ditambah!";


if ($result) {


                    $Leaf->MessageAlert-
>setMessage($msg,TRUE);


                    header ("Location: ?do=$Leaf-
>circuit.list");


                    exit;


                }
                    }
**/

        break;


    case "edit" :

                    // GEJALA KERUSAKAN


            $resKerusakan = $LeafDB->query("select *
from ".TBL_KERUSAKAN." where kerusakan_id =
'".$kerusakan_id."'");

                    $kerusakan_nama =
$resKerusakan[0]->kerusakan_nama;

        // GEJALA KERUSAKAN

                                $resGejala =
$LeafDB->query("select * from ".TBL_GEJALA." where
gejala_id = '".$gejala_id."'");

                    $gejala_nama = $resGejala[0]-
>gejala_nama;



        $result = $LeafDB->query("update
".TBL_GEJALARUSAK." set gejala_id='$gejala_id',
kerusakan_id='$kerusakan_id', solusi='$solusi' where
gejala_kerusakan_id = '$gejala_kerusakan_id'");



        $msg = "Data Konsultasi dengan Kerusakan
'$kerusakan_nama' dan Gejala '$gejala_nama' berhasil
diupdate!";

        break;

    case "delete" :



        $resDiag = $LeafDB->query("select * from
".TBL_GEJALARUSAK." where gejala_kerusakan_id =
'$gejala_kerusakan_id'");

        // GEJALA KERUSAKAN


            $resKerusakan = $LeafDB->query("select *
```

```
from ".TBL_KERUSAKAN." where kerusakan_id =
'".$resDiag[0]->kerusakan_id."'");

                                $kerusakan_nama =
$resKerusakan[0]->kerusakan_nama;

        // GEJALA KERUSAKAN

                                                $resGejala =
$LeafDB->query("select * from ".TBL_GEJALA." where
gejala_id = '".$resDiag[0]->gejala_id."'");

                                $gejala_nama = $resGejala[0]-
>gejala_nama;



        $result = $LeafDB->query("delete from
".TBL_GEJALARUSAK." where gejala_kerusakan_id =
'$gejala_kerusakan_id'");



        $msg = "Data Konsultasi dengan Kerusakan
'$kerusakan_nama' dan Gejala '$gejala_nama' berhasil
dihapus!";

        break;

    }


    if ($result) {

        $Leaf->MessageAlert->setMessage($msg,TRUE);

        header ("Location: ?do=$Leaf->circuit.list");

        exit;

    }

?>


<circuit access="public">

            <fuseaction name="list">

                <if condition="$Auth->check(15)">

        <true>

            <include template="dsp.list.php"/>

        </true>

        <false>

                    <relocate
url="?do=public.error&amp;code=restrictedaccess" />

                </false>

        </if>

            </fuseaction>



            <fuseaction name="detil">

                <if condition="$Auth->check(15)">

        <true>

            <include template="dsp.detil.php"/>

        </true>

        <false>

                    <relocate
url="?do=public.error&amp;code=restrictedaccess" />

                </false>

        </if>

            </fuseaction>



            <fuseaction name="add">

                <if condition="$Auth->check(15)">

        <true>

            <include template="dsp.alter.php"/>

        </true>

        <false>

                    <relocate
url="?do=public.error&amp;code=restrictedaccess" />

                </false>

        </if>
```

```
        </fuseaction>


        <fuseaction name="add2">
          <if condition="$Auth->check(15)">
    <true>
      <include template="dsp.alter2.php"/>
    </true>
    <false>
              <relocate
url="?do=public.error&amp;code=restrictedaccess" />
        </false>
    </if>
        </fuseaction>


        <fuseaction name="edit">
          <if condition="$Auth->check(15)">
    <true>
      <include template="dsp.alter.php"/>
    </true>
    <false>
              <relocate
url="?do=public.error&amp;code=restrictedaccess" />
        </false>
    </if>
        </fuseaction>


        <fuseaction name="cgi">
          <if condition="$Auth->check(15)">
    <true>
      <include template="act.cgi.php"/>
    </true>
    <false>
              <relocate
url="?do=public.error&amp;code=restrictedaccess" />
        </false>
    </if>
        </fuseaction>

</circuit>


<br>
<table width="100%" border="0" cellspacing="0"
cellpadding="2">
  <tr>
    <td width="3%" align="right" valign="top"></td>
    <td width="20%" valign="top">Jenis Kerusakan</td>
    <td width="1%" valign="top">:</td>
    <td width="76%" valign="top"><select
name="kerusakan_id" id="kerusakan_id" class="editable"
onchange="getFirstNumber()"><?=$strKerusakan?></sele
ct> <font color="#FF0000">*</font></td>
  </tr>
</table>
<?php


    extract($_GET);


    switch ($Leaf->fuseaction) {
        case "edit":
          if ((isset($kerusakan_id) && ($kerusakan_id != 0))
&& (isset($gejala_id) && ($gejala_id != 0))) {
```

```
            $result = $LeafDB->query("select * from
".TBL_GEJALARUSAK." where kerusakan_id =
$kerusakan_id and gejala_id =
$gejala_id",array("fetchMode" =>
DB_FETCHMODE_ASSOC));

            if (is_array($result)) {

               extract ($result[0]);

            }

         }

         break;


      case "add" :


         break;

   }


   // GEJALA

   $res = PearDB::query("select * from
".TBL_GEJALA."");

   $strGejala = "<option value="">-- Gejala --</option>";

   if (is_array($res)) foreach ($res as $item) {

      $sel = $gejala_id == $item->gejala_id ? "selected" :
"";

      $strGejala .= "<option value='$item->gejala_id'
$sel>".$item->gejala_nama."</option>\n";

   }

   // KERUSAKAN

   $res = PearDB::query("select * from
".TBL_KERUSAKAN."");

   $strKerusakan = "<option value="">-- Kerusakan --
</option>";

   if (is_array($res)) foreach ($res as $item) {

      $sel = $kerusakan_id == $item->kerusakan_id ?
"selected" : "";

      $strKerusakan .= "<option value='$item-
>kerusakan_id' $sel>".$item-
>kerusakan_nama."</option>\n";

   }


   $con = array();

   $con_file = array("dsp.alter.form0.php");

   foreach ($con_file as $item) {

      ob_start();

      include_once($item);

      $con[] = ob_get_contents();

      ob_end_clean();

   }


   $tabC = $Leaf->factory("TabContainer");

   $tabC->add('Form Data', $con[0]);


   //$tabC->addTabPane($tab0);


   $Leaf->Toolbar->icon =
ICONPATH32."question_and_answer.png";

   $Leaf->Toolbar->title = "Konsultasi";

   $Leaf->Toolbar-
>addButton("Next","javascript:validation()","images/32/n
avigate_right2.png","Lanjutkan!");

   //$Leaf->Toolbar-
>addButton("Batal","javascript:window.history.go(-
1)","images/32/cancel.png","Batal!");


   $Leaf->Toolbar->display();


?>
```

```
<script language = "JavaScript" type = "text/javascript">

<!--

                        function validation() {

                                                if
(document.getElementById('kerusakan_id').value == '') {

          window.alert('Kerusakan belum dipilih!');

      } else {

                        document.theForm.submit();

      }

            }



// -->

</script>

<form name="theForm" method="post"
action="?do=<?=$Leaf->circuit?>.cgi">

<input name="kerusakan_id" type="hidden"
value="<?=$kerusakan_id?>">

<input name="action" type="hidden" value="<?=$Leaf-
>fuseaction?>">

<? $tabC->display();?>

</form>



<?php


   extract($_GET);


   if (isset($customer) || $customer != '') {

                        $wh .= " and user_id =
'".$customer."'";

   }


   if ($User->get("usergroupid") == 4) {

                $user_login = $User->get("userid");

                $sql = "select * from ".TBL_MENJAWAB."
where user_id = '".$user_id."' and tanggal_jawab =
'".$tanggal_jawab."'";

                $arr = array("No." =>
"width='3%'","Kerusakan" => "width='25%'","Gejala" =>
"width='%%'","Jawaban" => "width='7%'","<div
align='center'>Keterangan</div>" => "width='15%'");

            } else {

            $sql = "select * from ".TBL_MENJAWAB."
where user_id = '".$user_id."' and tanggal_jawab =
'".$tanggal_jawab."'$wh";

     $arr = array("No." => "width='3%'","Customer" =>
"width='15%'","Kerusakan" => "width='25%'","Gejala"
=> "width='%%'","Jawaban" => "width='7%'","<div
align='center'>Keterangan</div>" => "width='15%'");

            }



   $g =& $Leaf->factory("DBGridview","view",$sql);

   $g->setHeader($arr    // headers

            ,array(null,'','s')  // field kerusakan_id

            ,"user_id,gejala_id"              // default sort by
             gejala_kerusakan_id

            ,"asc"           // default order by

   );



   $data = $g->getData();

   for ($j=$g->start; $j < $g->end; $j++) {

      // CUSTOMER

                        $resCustomer = $LeafDB-
>query("select * from ".TBL_USERS." where userid =
'".$data[$j]->user_id."'");

      // GEJALA KERUSAKAN

                        $res = $LeafDB->query("select *
from ".TBL_GEJALARUSAK." where kerusakan_id =
```

```
'".$data[$j]->kerusakan_id."' and gejala_id = '".$data[$j]-
>gejala_id."'");

      // KERUSAKAN

                        $resKerusakan = $LeafDB-
>query("select * from ".TBL_KERUSAKAN." where
kerusakan_id = '".$data[$j]->kerusakan_id."'");

      // GEJALA

                        $resGejala = $LeafDB-
>query("select * from ".TBL_GEJALA." where gejala_id
= '".$data[$j]->gejala_id."'");



      $jawaban                = $data[$j]-
>jawaban==1 ? "Ya" : "Tidak";

      $keterangan = $data[$j]->jawaban==1 ? $res[0]-
>jawab_ya : $res[0]->jawab_tidak;



      // TANGGAL

      $tgl = explode("-", $data[$j]->tanggal);

      $tanggal = $tgl[2].' '.$PRESET['bulan'][$tgl[1]].'
'.$tgl[0];



                        if ($User->get("usergroupid") == 4)

                                    $arr = array("<div
align='right'>".($j+1).".</div>",


                                    $resKerusakan[0]-
>kerusakan_nama,


                                    $resGejala[0]-
>gejala_nama,


                                    $jawaban,


                                    $keterangan);
                        else

                                    $arr = array("<div
align='right'>".($j+1).".</div>",


                                    $resCustomer[0]->name,


                                    $resKerusakan[0]-
>kerusakan_nama,


                                    $resGejala[0]-
>gejala_nama,


                                    $jawaban,


                                    $keterangan);


                        $g->addRow($arr);
   }



   // CUSTOMER

   $res = PearDB::query("select * from ".TBL_USERS."
where usergroupid = '4'");

   $strCustomer = "<option value=''>-- Customer --
</option>";

   if (is_array($res)) foreach ($res as $item) {

      $sel = $customer == $item->userid ? "selected" : "";

      $strCustomer .= "<option value='$item->userid'
$sel>".$item->name."</option>\n";

   }



   $con = array();

   $con_file = array("dsp.detil.form0.php");

   foreach ($con_file as $item) {

      ob_start();

      include_once($item);

      $con[] = ob_get_contents();

      ob_end_clean();
```

```
    }


    $tabC = $Leaf->factory("TabContainer");

    $tabC->add('Pencarian', $con[0]);



    $Leaf->Toolbar->icon =
ICONPATH32."documents_preferences.png";

    $Leaf->Toolbar->addButton("Kembali","?do=$Leaf-
>circuit.list","images/32/undo.png","Kembali!");

    if ($User->get("usergroupid") != 4) {

            $Leaf->Toolbar-
>addButton("Refresh","?do=$Leaf->circuit.$Leaf-
>fuseaction&user_id=$user_id&tanggal_jawab=$tanggal_
jawab","images/32/refresh.png","Refresh!");

            $Leaf->Toolbar->title = "Hasil Jawaban
Customer";

    } else

            $Leaf->Toolbar->title = "Hasil Jawaban
".strtoupper($User->get("name"));



    //$Leaf->Toolbar-
>addButton("Excel","?".$_SERVER['QUERY_STRING'].
"&mode=excel","images/32/excel.png","Excel!");

    //$Leaf->Toolbar-
>addButton("Cetak","?".$_SERVER['QUERY_STRING']
."&mode=print","images/32/printer.png","Cetak halaman
ini!");

?>



<script language = "JavaScript" type = "text/javascript">

<!--

    function goDelete(loc,info) {

        var sure;

        sure = confirm("Anda yakin untuk menghapus '" +
info +"'?");

        if (sure) {

            location = loc;

        }

        else {

            return false;

        }

    }


// -->

</script>

<form name="theForm" method="get"
action="?do=<?=$Leaf->circuit?>.<?=$Leaf-
>fuseaction?>">

<input name="do" id="do" type="hidden"
value="<?=$Leaf->circuit?>.<?=$Leaf->fuseaction?>">

<input name="user_id" type="hidden"
value="<?=$user_id?>">

<input name="tanggal_jawab" type="hidden"
value="<?=$tanggal_jawab?>">

<table cellpadding='0' cellspacing='0' border='0'
width='100%'>

<tr><td><? $Leaf->Toolbar->display(); ?></td></tr>

<? if ($User->get("usergroupid") != 4) { ?>

<tr><td><? $tabC->display(); ?></td></tr>

<? } ?>

<tr><td><? $g->display(); ?></td></tr>

</table>

</form>


<?php

                require("script/functions.php");
```

```
    extract($_GET);


    if (isset($customer) || $customer != '') {

                        $wh .= " and user_id =
'".$customer."'";

    }


    $user_login = $User->get("userid");

    if ($User->get("usergroupid") == 4) {

            $sql = "select * from ".TBL_MENJAWAB."
where user_id = '".$user_login."' group by
tanggal_jawab";

            $arr = array("No." =>
"width='3%'","Tanggal" => "width='20%'","Jumlah
pertanyaan yang dijawab" => "width='%%'","<div
align='center'>Pilihan</div>" => "width='10%'");

        } else {

        $sql = "select * from ".TBL_MENJAWAB."
where 1$wh group by user_id, tanggal_jawab";

     $arr = array("No." => "width='3%'","Customer" =>
"width='15%'","Tanggal" => "width='20%'","Jumlah
pertanyaan yang dijawab" => "width='%%'","<div
align='center'>Pilihan</div>" => "width='10%'");

        }


    $g =& $Leaf->factory("DBGridview","view",$sql);

    $g->setHeader($arr    // headers

        ,array(null,",")  // field kerusakan_id

        ,"user_id"        // default sort by
         gejala_kerusakan_id

        ,"asc"            // default order by

    );


    $data = $g->getData();

    for ($j=$g->start; $j < $g->end; $j++) {

        // CUSTOMER

                    $resCustomer = $LeafDB-
>query("select * from ".TBL_USERS." where userid =
'".$data[$j]->user_id."'");


        // JUMLAH JAWABAN

                    $resJumlah = $LeafDB-
>query("select * from ".TBL_MENJAWAB." where
user_id = '".$data[$j]->user_id."' and tanggal_jawab =
'".$data[$j]->tanggal_jawab."'");

        $jmlJawaban = count($resJumlah);


        // TANGGAL

        $tgl = explode("-", $data[$j]->tanggal_jawab);

        $tanggal = $tgl[2].' '.$PRESET['bulan'][$tgl[1]].'
'.$tgl[0];


                    $keterangan = '<div
align="center"><a href="?do='.$Leaf-
>circuit.'.detil&user_id='.$data[$j]-
>user_id.'&tanggal_jawab='.$data[$j]->tanggal_jawab.'"
title="Lihat hasil konsultasi!"><image
src="images/16/preferences.png" border="0"></a></div>';


        if ($User->get("usergroupid") == 4)

                        $arr = array("<div
align='right'>".($j+1).".</div>",


                        $tanggal,


                        $jmlJawaban.' (
'.terbilang($jmlJawaban).') pertanyaan',


                        $keterangan);

                    else
```

```
                                $arr = array("<div
align='right'>".($j+1).".</div>",

                                $resCustomer[0]->name,

                                $tanggal,

                                $jmlJawaban.' (
'.terbilang($jmlJawaban).')',

                                $keterangan);

                        $g->addRow($arr);

    }


    // CUSTOMER

    $res = PearDB::query("select * from ".TBL_USERS."
where usergroupid = '4'");

    $strCustomer = "<option value=''>-- Customer --
</option>";

    if (is_array($res)) foreach ($res as $item) {

        $sel = $customer == $item->userid ? "selected" : "";

        $strCustomer .= "<option value='$item->userid'
$sel>".$item->name."</option>\n";

    }


    $con = array();

    $con_file = array("dsp.list.form0.php");

    foreach ($con_file as $item) {

        ob_start();

        include_once($item);

        $con[] = ob_get_contents();

        ob_end_clean();

    }


    $tabC = $Leaf->factory("TabContainer");

    $tabC->add('Pencarian', $con[0]);


    $Leaf->Toolbar->icon =
ICONPATH32."documents_preferences.png";


    if ($User->get("usergroupid") != 4) {

            $Leaf->Toolbar-
>addButton("Refresh","?do=$Leaf->circuit.$Leaf-
>fuseaction","images/32/refresh.png","Refresh!");

            $Leaf->Toolbar->title = "Hasil Jawaban
Customer";

    } else

            $Leaf->Toolbar->title = "Hasil Jawaban
".strtoupper($User->get("name"));


    //$Leaf->Toolbar-
>addButton("Excel","?".$_SERVER['QUERY_STRING'].
"&mode=excel","images/32/excel.png","Excel!");

    //$Leaf->Toolbar-
>addButton("Cetak","?".$_SERVER['QUERY_STRING']
."&mode=print","images/32/printer.png","Cetak halaman
ini!");

?>


<script language = "JavaScript" type = "text/javascript">

<!--

    function goDelete(loc,info) {

        var sure;

        sure = confirm("Anda yakin untuk menghapus '" +
info +"'?");

        if (sure) {
```

```
        location = loc;
      }
      else {
        return false;
      }
    }


// -->
</script>
<form name="theForm" method="get"
action="?do=<?=$Leaf->circuit?>.<?=$Leaf-
>fuseaction?>">
<input name="do" id="do" type="hidden"
value="<?=$Leaf->circuit?>.<?=$Leaf->fuseaction?>">
<table cellpadding='0' cellspacing='0' border='0'
width='100%'>
<tr><td><? $Leaf->Toolbar->display(); ?></td></tr>
<? if ($User->get("usergroupid") != 4) { ?>
<tr><td><? $tabC->display(); ?></td></tr>
<? } ?>
<tr><td><? $g->display(); ?></td></tr>
</table>
</form>
```

Hasildiagnosa.php

```
<?php

  extract($_POST);
  extract($_GET);

  switch ($action) {
    case "add" :
                    // USER
                    $user_id = $User->get("userid");

                    // KERUSAKAN
                    $res = $LeafDB->query("select *
from ".TBL_MENJAWAB." where menjawab_id =
'$menjawab_id'");
        $jawaban = $res[0]->jawaban;

        $result = $LeafDB->query("insert into
".TBL_DIAGNOSA."
(user_id,menjawab_id,tanggal,persentase,diagnosa) values
('$user_id','$menjawab_id','$tanggal','$persentase','$diagn
osa')");

        $msg = "Data Hasil Diagnosa '$jawaban' berhasil
ditambah!";
        break;
      case "edit" :
                    // KERUSAKAN
                    $res = $LeafDB->query("select *
from ".TBL_MENJAWAB." where menjawab_id =
'$menjawab_id'");
        $jawaban = $res[0]->jawaban;

        $result = $LeafDB->query("update
".TBL_DIAGNOSA." set menjawab_id='$menjawab_id',
tanggal='$tanggal', persentase='$persentase',
diagnosa='$diagnosa' where diagnosa_id =
'$diagnosa_id'");

        $msg = "Data Hasil Diagnosa '$jawaban' berhasil
diupdate!";
        break;
```

```
	case "delete" :


		$resDiag = $LeafDB->query("select * from
".TBL_DIAGNOSA." where diagnosa_id =
'$diagnosa_id'");

		// KERUSAKAN

				$res = $LeafDB->query("select *
from ".TBL_MENJAWAB." where menjawab_id =
'".$resDiag[0]->menjawab_id."'");

		$jawaban = $res[0]->jawaban;


		$result = $LeafDB->query("delete from
".TBL_DIAGNOSA." where diagnosa_id =
'$diagnosa_id'");


		$msg = "Data Hasil Diagnosa '$jawaban' berhasil
dihapus!";

		break;

	}


	if ($result) {

		$Leaf->MessageAlert->setMessage($msg,TRUE);

		header ("Location: ?do=$Leaf->circuit.list");

		exit;

	}

?>



<circuit access="public">

		<fuseaction name="list">

			<if condition="$Auth->check(15)">

		<true>

			<include template="dsp.list.php"/>

		</true>

		<false>

				<relocate
url="?do=public.error&amp;code=restrictedaccess" />

			</false>

		</if>

		</fuseaction>


		<fuseaction name="detil">

			<if condition="$Auth->check(15)">

		<true>

			<include template="dsp.detil.php"/>

		</true>

		<false>

				<relocate
url="?do=public.error&amp;code=restrictedaccess" />

			</false>

		</if>

		</fuseaction>


		<fuseaction name="view">

			<if condition="$Auth->check(15)">

		<true>

			<include template="dsp.view.php"/>

		</true>

		<false>

				<relocate
url="?do=public.error&amp;code=restrictedaccess" />

			</false>
```

```
    </if>
            </fuseaction>

            <fuseaction name="cgi">
               <if condition="$Auth->check(15)">
    <true>
       <include template="act.cgi.php"/>
    </true>
    <false>
                  <relocate
url="?do=public.error&amp;code=restrictedaccess" />
               </false>
    </if>
            </fuseaction>

</circuit>

<?php

   extract($_GET);

   if (isset($customer) || $customer != '') {
                        $wh .= " and user_id =
'".$customer."'";
   }

   if ($User->get("usergroupid") == 4) {
               $user_login = $User->get("userid");
               $sql = "select * from ".TBL_DIAGNOSA."
where user_id = '".$user_id."' and tanggal = '".$tanggal."'";
                  $arr = array("No." => "width='3%'","<div
align='center'>Tanggal Diagnosa</div>" =>
"width='12%'","<div align='center'>Kerusakan</div>" =>
"width='25%'","<div align='center'>Definisi</div>" =>
"width='%%'","<div align='center'>Solusi</div>" =>
"width='25%'","<div align='center'>Pilihan</div>" =>
"width='7%'");
               } else {
               $sql = "select * from ".TBL_DIAGNOSA."
where user_id = '".$user_id."' and tanggal =
'".$tanggal."'$wh";
     $arr = array("No." => "width='3%'","<div
align='center'>Customer</div>" => "width='10%'","<div
align='center'>Tanggal Diagnosa</div>" =>
"width='12%'","<div align='center'>Kerusakan</div>" =>
"width='25%'","<div align='center'>Definisi</div>" =>
"width='%%'","<div align='center'>Solusi</div>" =>
"width='25%'","<div align='center'>Pilihan</div>" =>
"width='7%'");
               }

   $g =& $Leaf->factory("DBGridview","view",$sql);
   $g->setHeader($arr    // headers
            ,array(null,",")  // field menjawab_id
            ,"user_id,kerusakan_id"            // default sort
by
            ,"asc"          // default order by
   );

   $data = $g->getData();
   for ($j=$g->start; $j < $g->end; $j++) {
      // CUSTOMER
                        $resCustomer = $LeafDB-
>query("select * from ".TBL_USERS." where userid =
'".$data[$j]->user_id."'");
      // KERUSAKAN
                        $sql = "select * from
".TBL_KERUSAKAN." where kerusakan_id =
'".$data[$j]->kerusakan_id."'";
```

```
        $res = $LeafDB->query($sql);

        // TANGGAL
        $tgl = explode("-", $data[$j]->tanggal);
        $tanggal_diag = $tgl[2].'
'.$PRESET['bulan'][$tgl[1]].' '.$tgl[0];

                        $pilihan = '<div align="center"><a
href="?do='.$Leaf->circuit.'.view&user_id='.$data[$j]-
>user_id.'&tanggal='.$data[$j]-
>tanggal.'&kerusakan_id='.$data[$j]->kerusakan_id.'"
title="Lihat hasil konsultasi!"><image
src="images/16/note_new.png" border="0"></a></div>';

                        if ($User->get("usergroupid") == 4)
                                $arr =
array("<div align='right'>".($j+1).".</div>",
                                $tanggal_diag,
                                $res[0]-
>kerusakan_nama,
                                $res[0]-
>kerusakan_definisi,
                                $data[$j]->solusi,
                                $pilihan);
                        else
                                $arr =
array("<div align='right'>".($j+1).".</div>",
                                $resCustomer[0]->name,
                                $tanggal_diag,
                                $res[0]-
>kerusakan_nama,
                                $res[0]-
>kerusakan_definisi,
                                $data[$j]->solusi,
                                $pilihan);
                        $g->addRow($arr);
        }

        // CUSTOMER
        $res = PearDB::query("select * from ".TBL_USERS."
where usergroupid = '4'");
        $strCustomer = "<option value="">-- Customer --
</option>";
        if (is_array($res)) foreach ($res as $item) {
                $sel = $customer == $item->userid ? "selected" : "";
                $strCustomer .= "<option value='$item->userid'
$sel>".$item->name."</option>\n";
        }

        $con = array();
        $con_file = array("dsp.list.form0.php");
        foreach ($con_file as $item) {
                ob_start();
                include_once($item);
                $con[] = ob_get_contents();
                ob_end_clean();
        }
```

```
   $tabC = $Leaf->factory("TabContainer");

   $tabC->add('Pencarian', $con[0]);



   $Leaf->Toolbar->icon =
ICONPATH32."note_pinned.png";

   $Leaf->Toolbar->addButton("Kembali","?do=$Leaf-
>circuit.list","images/32/undo.png","Kembali!");

   if ($User->get("usergroupid") != 4) {

            $Leaf->Toolbar-
>addButton("Refresh","?do=$Leaf->circuit.$Leaf-
>fuseaction&user_id=$user_id&tanggal=$tanggal","imag
es/32/refresh.png","Refresh!");

            $Leaf->Toolbar->title = "Hasil Diagnosa
Customer";

   } else

            $Leaf->Toolbar->title = "Hasil Diagnosa
".strtoupper($User->get("name"));

   //$Leaf->Toolbar->addButton("Preview","?do=$Leaf-
>circuit.view&user_id=$user_id&tanggal=$tanggal","ima
ges/32/document.png","Lihat Hasil Diagnosa!");

?>



<script language = "JavaScript" type = "text/javascript">

<!--

   function goDelete(loc,info) {

      var sure;

      sure = confirm("Anda yakin untuk menghapus '" +
info +"'?");

      if (sure) {

         location = loc;

      }

      else {

         return false;

      }

   }

// -->

</script>

<form name="theForm" method="get"
action="?do=<?=$Leaf->circuit?>.<?=$Leaf-
>fuseaction?>">

<input name="do" id="do" type="hidden"
value="<?=$Leaf->circuit?>.<?=$Leaf->fuseaction?>">

<input name="user_id" type="hidden"
value="<?=$user_id?>">

<input name="tanggal" type="hidden"
value="<?=$tanggal?>">

<table cellpadding='0' cellspacing='0' border='0'
width='100%'>

<tr><td><? $Leaf->Toolbar->display(); ?></td></tr>

<? if ($User->get("usergroupid") != 4) { ?>

<tr><td><? $tabC->display(); ?></td></tr>

<? } ?>

<tr><td><? $g->display(); ?></td></tr>

</table>

</form>



<?php

            require("script/functions.php");



   extract($_GET);



   if (isset($customer) || $customer != '') {

            $wh .= " and user_id =
'".$customer."'";
```

```
}

if ($User->get("usergroupid") == 4) {

        $user_login = $User->get("userid");

        $sql = "select * from ".TBL_DIAGNOSA." where user_id = '".$user_login."' group by tanggal";

        $arr = array("No." => "width='3%'","Tanggal" => "width='20%'","Jumlah hasil diagnosa" => "width='%%'","<div align='center'>Pilihan</div>" => "width='10%'");

    } else {

        $sql = "select * from ".TBL_DIAGNOSA." where 1$wh group by user_id, tanggal";

    $arr = array("No." => "width='3%'","Customer" => "width='15%'","Tanggal" => "width='20%'","Jumlah hasil diagnosa" => "width='%%'","<div align='center'>Pilihan</div>" => "width='10%'");

    }

$g =& $Leaf->factory("DBGridview","view",$sql);

$g->setHeader($arr    // headers
    ,array(null,",")  // field menjawab_id
    ,"user_id"        // default sort by
    ,"asc"            // default order by
);

$data = $g->getData();

for ($j=$g->start; $j < $g->end; $j++) {

  // CUSTOMER

        $resCustomer = $LeafDB->query("select * from ".TBL_USERS." where userid = '".$data[$j]->user_id."'");

  // JUMLAH JAWABAN

        $resJumlah = $LeafDB->query("select * from ".TBL_DIAGNOSA." where user_id = '".$data[$j]->user_id."' and tanggal = '".$data[$j]->tanggal."'");

    $jmlJawaban = count($resJumlah);

  // TANGGAL

    $tgl = explode("-", $data[$j]->tanggal);

    $tanggal = $tgl[2].' '.$PRESET['bulan'][$tgl[1]].' '.$tgl[0];

        $keterangan = '<div align="center"><a href="?do='.$Leaf->circuit.'.detil&user_id='.$data[$j]->user_id.'&tanggal='.$data[$j]->tanggal.'" title="Lihat hasil konsultasi!"><image src="images/16/preferences.png" border="0"></a></div>';

        if ($User->get("usergroupid") == 4)

            $arr = array("<div align='right'>".($j+1).".</div>",

                $tanggal,

                $jmlJawaban.' ( '.terbilang($jmlJawaban).')',

                $keterangan);

            else

            $arr = array("<div align='right'>".($j+1).".</div>",

                $resCustomer[0]->name,

                $tanggal,

                $jmlJawaban.' ( '.terbilang($jmlJawaban).')',
```

```
                                $keterangan);


                                $g->addRow($arr);
    }


    // CUSTOMER

    $res = PearDB::query("select * from ".TBL_USERS."
where usergroupid = '4'");

    $strCustomer = "<option value=''>-- Customer --
</option>";

    if (is_array($res)) foreach ($res as $item) {

        $sel = $customer == $item->userid ? "selected" : "";

        $strCustomer .= "<option value='$item->userid'
$sel>".$item->name."</option>\n";

    }



    $con = array();

    $con_file = array("dsp.list.form0.php");

    foreach ($con_file as $item) {

        ob_start();

        include_once($item);

        $con[] = ob_get_contents();

        ob_end_clean();

    }



    $tabC = $Leaf->factory("TabContainer");

    $tabC->add('Pencarian', $con[0]);



    $Leaf->Toolbar->icon =
ICONPATH32."note_pinned.png";

    if ($User->get("usergroupid") != 4) {

            $Leaf->Toolbar-
>addButton("Refresh","?do=$Leaf->circuit.$Leaf-
>fuseaction","images/32/refresh.png","Refresh!");

            $Leaf->Toolbar->title = "Hasil Diagnosa
Customer";

    } else

            $Leaf->Toolbar->title = "Hasil Diagnosa
".strtoupper($User->get("name"));

    //if ($User->get("usergroupid") == 2 || $User-
>get("usergroupid") == 4 || $User->get("usergroupid") ==
5)

    //              $Leaf->Toolbar-
>addButton("Tambah","?do=$Leaf-
>circuit.add","images/32/add.png","Tambah Hasil
Diagnosa Baru!");

    //$Leaf->Toolbar->addButton("Refresh","?do=$Leaf-
>circuit.$Leaf-
>fuseaction","images/32/refresh.png","Refresh!");

    //$Leaf->Toolbar-
>addButton("Excel","?".$_SERVER['QUERY_STRING'].
"&mode=excel","images/32/excel.png","Excel!");

    //$Leaf->Toolbar-
>addButton("Cetak","?".$_SERVER['QUERY_STRING']
."&mode=print","images/32/printer.png","Cetak halaman
ini!");

?>



<script language = "JavaScript" type = "text/javascript">

<!--

    function goDelete(loc,info) {

        var sure;

        sure = confirm("Anda yakin untuk menghapus '" +
info +"'?");

        if (sure) {

            location = loc;

        }
```

```
      else {
         return false;
      }
   }

// -->
</script>
<form name="theForm" method="get"
action="?do=<?=$Leaf->circuit?>.<?=$Leaf-
>fuseaction?>">
<input name="do" id="do" type="hidden"
value="<?=$Leaf->circuit?>.<?=$Leaf->fuseaction?>">
<table cellpadding='0' cellspacing='0' border='0'
width='100%'>
<tr><td><? $Leaf->Toolbar->display(); ?></td></tr>
<? if ($User->get("usergroupid") != 4) { ?>
<tr><td><? $tabC->display(); ?></td></tr>
<? } ?>
<tr><td><? $g->display(); ?></td></tr>
</table>
</form>

<?php

   extract($_GET);

   switch ($Leaf->fuseaction) {
      case "view":
         if (isset($diagnosa_id) && ($diagnosa_id != 0)) {
            $result = $LeafDB->query("select * from
".TBL_DIAGNOSA." where diagnosa_id =
$diagnosa_id",array("fetchMode" =>
DB_FETCHMODE_ASSOC));
            if (is_array($result)) {
               extract ($result[0]);
            }
         }

                  // MENJAWAB
                  $sql = "select
* from ".TBL_MENJAWAB." where user_id =
'".$user_id."' and kerusakan_id = '".$kerusakan_id."' and
tanggal_jawab = '".$tanggal."'";
                  $resMenjawab = $LeafDB-
>query($sql);
                  $i=0;
                  foreach ($resMenjawab
as $item) {
                  //
GEJALA KERUSAKAN

            $res = $LeafDB->query("select * from
".TBL_GEJALARUSAK." where kerusakan_id =
'".$item->kerusakan_id."' and gejala_id = '".$item-
>gejala_id."'");
                  // GEJALA

            $resGejala = $LeafDB->query("select * from
".TBL_GEJALA." where gejala_id = '".$item-
>gejala_id."'");
                  $pertanyaan
= $resGejala[0]->gejala_nama.' ? ';
                  $jawaban =
'(Jawaban : <b>'.($resMenjawab[$i]->jawaban==1 ? 'Ya' :
'Tidak').'</b>)';

            $hasiljawaban .= '<tr>
```

```
                <td width="4%" align="right"
valign="top">'.($i+1).'.</td>



                <td width="%%"
valign="top">'.$pertanyaan.'    
 '.$jawaban.'</td>



            </tr>';


            $kerusakan_id = $res[0]->kerusakan_id;


            $i++;

                                }



        // TANGGAL

                                $tgl = explode("-", $tanggal);

                                $tanggal_diag = $tgl[2].'
'.$PRESET['bulan'][$tgl[1]].' '.$tgl[0];

        $persentase     = '0 %';



        // DATA USER

                                                $resUser =
$LeafDB->query("select * from ".TBL_USERS." where
userid = '".$user_id."'");

                                $nama
                        = $resUser[0]->name;

        $alamat                                         =
$resUser[0]->address;

        $telepon                                =
$resUser[0]->phone;

        $email                                          =
$resUser[0]->email;



        // KERUSAKAN & SOLUSI

                                                $sql = "select
* from ".TBL_DIAGNOSA." where user_id =
'".$user_id."' and kerusakan_id = '".$kerusakan_id."' and
tanggal = '".$tanggal."'";

                                $resDiagnosa = $LeafDB-
>query($sql);

                                $solusi_diag = '';

                                if (is_array($resDiagnosa))
foreach ($resDiagnosa as $item) {

                                                $solusi_diag
.= ($solusi_diag=="" ? "" : ", ").($item->solusi);

                                }

                        $resKerusakan = $LeafDB-
>query("select * from ".TBL_KERUSAKAN." where
kerusakan_id = '".$kerusakan_id."'");

                                $kerusakan      =
$resKerusakan[0]->kerusakan_nama;

        $definisi       = $resKerusakan[0]-
>kerusakan_definisi;

        $solusi                         = $solusi_diag;

    break;

    //case "viewKerusakan":

    //  if (isset($kerusakan_id) && ($kerusakan_id !=
0)) {

    //      $result = $LeafDB->query("select * from
".TBL_DIAGNOSA." where diagnosa_id =
$diagnosa_id",array("fetchMode" =>
DB_FETCHMODE_ASSOC));

    //      if (is_array($result)) {

    //          extract ($result[0]);

    //      }

    //  }

    //

    //                  // MENJAWAB

                        //                  $sql = "select
* from ".TBL_MENJAWAB." where user_id =
'".$user_id."' and tanggal_jawab = '".$tanggal."'";
```

```
                    //    $resMenjawab = $LeafDB->query($sql);

                    //    $i=0;

                    //          foreach ($resMenjawab as $item) {

                                                        //              // GEJALA KERUSAKAN

                                                        //
                        $res = $LeafDB->query("select * from ".TBL_GEJALARUSAK." where kerusakan_id = '".$item->kerusakan_id."' and gejala_id = '".$item->gejala_id."'");

                    //                      // GEJALA

                                                        //
                        $resGejala = $LeafDB->query("select * from ".TBL_GEJALA." where gejala_id = '".$item->gejala_id."'");

                    //                      $pertanyaan = $resGejala[0]->gejala_nama.' ? ';

                    //                      $jawaban = '(Jawaban : <b>'.($resMenjawab[$i]->jawaban==1 ? 'Ya' : 'Tidak').'</b>)';

                    //
                        $hasiljawaban .= '<tr>

                                                        //


                            <td width="4%" align="right" valign="top">'.($i+1).'.</td>

                                                        //


                            <td width="%%" valign="top">'.$pertanyaan.'     '.$jawaban.'</td>

                                                        //


                        </tr>';

                    //
                        $kerusakan_id = $res[0]->kerusakan_id;

                    //
                        $i++;

                    //          }

    //

    //  // TANGGAL

                    //  $tgl = explode("-", $tanggal);

                    //  $tanggal_diag = $tgl[2].' '.$PRESET['bulan'][$tgl[1]].' '.$tgl[0];

    //  $persentase   = '0 %';

    //  // DATA USER

                    //                  $resUser = $LeafDB->query("select * from ".TBL_USERS." where userid = '".$user_id."'");

                    //  $nama
                        = $resUser[0]->name;

    //  $alamat                                 = $resUser[0]->address;

    //  $telepon                                = $resUser[0]->phone;

    //  $email                                  = $resUser[0]->email;

    //

    //  // KERUSAKAN & SOLUSI

                    //                  $sql = "select * from ".TBL_DIAGNOSA." where user_id = '".$user_id."' and tanggal = '".$tanggal."'";

                    //  $resDiagnosa = $LeafDB->query($sql);

                    //  $solusi_diag = '';

                    //  if (is_array($resDiagnosa)) foreach ($resDiagnosa as $item) {

                    //                  $solusi_diag .= ($solusi_diag=="" ? "" : ", ").($item->solusi);

                    //  }

    //                  $resKerusakan = $LeafDB->query("select * from ".TBL_KERUSAKAN." where kerusakan_id = '".$kerusakan_id."'");
```

```
                        //  $kerusakan      =
$resKerusakan[0]->kerusakan_nama;

    //  $definisi       = $resKerusakan[0]-
>kerusakan_definisi;

    //  $solusi                 = $solusi_diag;

    //break;

  }



  $con = array();

  $con_file = array("dsp.view.form0.php");

  foreach ($con_file as $item) {

    ob_start();

    include_once($item);

    $con[] = ob_get_contents();

    ob_end_clean();

  }



  $tabC = $Leaf->factory("TabContainer");

  $tabC->add('Form Data', $con[0]);



  //$tabC->addTabPane($tab0);



  $Leaf->Toolbar->icon =
ICONPATH32."note_pinned.png";

  $Leaf->Toolbar->title = "Hasil Konsultasi";

  $Leaf->Toolbar->addButton("Kembali","?do=$Leaf-
>circuit.detil&user_id=$user_id&tanggal=$tanggal","ima
ges/32/undo.png","Kembali!");

  $Leaf->Toolbar-
>addButton("Cetak","?".$_SERVER['QUERY_STRING']
."&mode=print","images/32/printer.png","Cetak halaman
ini!");

  $Leaf->Toolbar->display();


?>

<script language = "JavaScript" type = "text/javascript">

<!--

function validation() {

                    if
(document.getElementById('menjawab_id').value == '') {

      window.alert('Kerusakan belum dipilih!');

    } else if (document.getElementById('tanggal').value
== '') {

      window.alert('Tanggal Diagnosa belum dipilih!');

    } else {

                    document.theForm.submit();

    }

          }

// -->

</script>

<form name="theForm" method="post"
action="?do=<?=$Leaf->circuit?>.cgi">

<input name="diagnosa_id" type="hidden"
value="<?=$diagnosa_id?>">

<input name="action" type="hidden" value="<?=$Leaf-
>fuseaction?>">

<? $tabC->display();?>

</form>
```

(Source code untuk fungsi proses login)

Com.login.php

```
<?

   // ***************

   // default sets

   $COM_POSITION = "APP_LEFT";

   $COM_CIRCUIT  = "all";

   $COM_FUSE     = "all";

   // ***************

   $Leaf->HtmlHeader->addScript("script/Functions.js");

   if (!$Auth->isLogin() && ("$Leaf->circuit.$Leaf-
>fuseaction" != "auth.login")) {

?>

<form name="loginForm" method="post"
action="?do=auth.cgi">

<table class="moduletable" cellpadding="0"
cellspacing="0" border="0">

   <tbody>

   <tr><th valign="top">Login</th></tr>

   <tr><td>



   <table cellpadding="0" cellspacing="2" border="0">

   <tr>

     <td><div id="strNormal">Username</div></td>

     <td>: <input name="username" type="text"
id="username" class="editable" size="15"
maxlength="50"
onKeyup='isCharacterSmall(this,true)'></td>

   </tr>

   <tr>

     <td valign="middle"><div id="strNormal"
>Password</div></td>

     <td>: <input name="password" type="password"
id="password" class="editable" size="15"
maxlength="50"></td>

   </tr>

   <tr>

     <td><div id="strNormal"> </div></td>

     <td>  <a href="?do=auth.forgotpasswd"
title="Lupa password"><font color="blue">Lupa
password?</font></a></td>

   </tr>

   <tr>

     <td><div id="strNormal"> </div></td>

     <td>  <input type="submit"
name="submit" value="Login" class="editable"> 

      <input type="reset"  name="submit2" value="Reset"
class="editable">

      <input name="redir"  type="hidden" id="redir"
value="?do=public.home">

      <input name="action" type="hidden" id="action"
value="login">

     </td>

   </tr>

   </table>

   <!--<br>

   Tidak punya login? <a href='?do=user.register'>Klik
disini untuk mendaftar!</a>-->

   </td></tr>

   </tbody>

 </table>

</form>

<? }  ?>


<?
```

```
    // **************

    // default sets

    $COM_POSITION = "APP_MENU";

    $COM_CIRCUIT  = "all";

    $COM_FUSE     = "all";

    // **************

    // MAIN MENU ---------------------------------------

    if ($_GET["mode"] != "excel" && $_GET["mode"] !=
"print") {

        // set the left main menu

        $type   = ($User->get("type") == "")? "public" :
$User->get("type");

        $Leaf->Menu->loadData("menu/menu.$type.xml");

        $Leaf->Menu->setImageBase(ICONPATH16);



        $htmlcmenu = $Leaf->Menu->get();

        if ($Leaf->browser == "MSIE")

            $htmlcmenu =
str_replace('.png"','.gif"',$htmlcmenu);

        //$Leaf->HtmlContainer-
>add("APP_MENU",$htmlcmenu);

        if ($Leaf->Menu->type == "chorizontal") {

            echo $htmlcmenu;

        }

        else {

            echo "<table class='moduletable' cellpadding='0'
cellspacing='0' border='0'>

                <tbody>

                <tr><th valign='top'>Menu Utama</th></tr>

                <tr><td>

                $htmlcmenu

                </td></tr>

                </tbody>

                </table>

                <img src='images/default/hrz200.gif'>

            ";

            if ($User->get("userid")) {

            echo "<table class='moduletable' cellpadding='0'
cellspacing='0' border='0'>

                <tr><td colspan='3'><hr></td></tr>

                <tr>


                    <td>Username</td>


                    <td>:</td>


                    <td>".$User->get("username")." (
".$User->get("name")." )</td>


                </tr>


                <tr>


                    <td>Level</td>


                    <td>:</td>


                    <td>".$User->get("groupname")."</td>


                </tr>


                <tr><td colspan='3'><hr></td></tr>

            </table>";

        }

    }
```

```
    }
?>
```

(Konfigurasi)

Config.php

```
<?php
/**
 * Configuration for LEAF application -- default setting --
 * @author Agung Prihanggoro <agung@akhdani.com>
 */

// ************************************
// MAIN CONFIGURATION
// shouldn't be changed in runtime!
// ************************************
/**
 * core path
 */
$Leaf->corePath = 'c:/xampp/htdocs/LeafM36/';

/**
 * absolute application path
 */
$Leaf->appPath = "C:/xampp/htdocs/sipapanser/";

/**
 * Http live site for Leaf application
 */
$Leaf->coreLiveSite = 'http://localhost/LeafM36/';
$Leaf->appLiveSite = 'http://localhost/sipapanser/';

/**
 * application name
 */
$Leaf->appName = "_baseapp";

// ************************************
// DATABASE RELATED
// ************************************
$Leaf->dbHost     = "localhost";
$Leaf->dbUsername = "root";
$Leaf->dbPassword = "";
$Leaf->dbName     = "sipapanser";
$Leaf->dbType     = "mysql";

// PearDB configuration  -- old version compatibility
$GLOBALS['PEARDB_CONFIG'] = array (
    'host'      => $Leaf->dbHost,
    'username'  => $Leaf->dbUsername,
    'password'  => $Leaf->dbPassword,
    'dbname'    => $Leaf->dbName,
    'dbms'      => $Leaf->dbType
```

```
);

// ************************************
// APPLICATION RELATED
// ************************************

// application type [html | xul]
$Leaf->appType = "html";

// default title
$Leaf->appTitle = "Sistem Pakar Pendeteksi Kerusakan Sepeda Motor</div><div id='strTitle2'>SIPAPANSER";

// title on window title-bar
$Leaf->appPageTitle = "SiPaPANSeR";

// theme for HTML application
$Leaf->appTheme = "trueblue";

// menu type [chorizontal | cvertical | tree]
$Leaf->menuType = "cvertical";

/* -- custom renderer --
 * is this application use custom renderer ?
 * DEFAULT = false
 * custom renderer = apppath/leaf.renderer.php
 * default renderer = leafcore/leaf.renderer.php
 * if false then use default renderer
 * if true then use custom renderer, note: you must place a file named leaf.renderer.php
 * TIPS : if u want to use custom renderer, copy leaf.renderer.php from core, then
 * do some modification that suits your need
 */
$Leaf->outputUseCustomRenderer = false;

/* -- COMPRESSION SECTION --
 * GZIP compression, currently works on non-MSIE <=6 browsers
 * if enabled, you can save some bandwidth for your user
 * and increase the speed of page loading
 */
// if true, then compress HTML output using GZIP compression
$Leaf->outputCompressHtml = true;

// HTML output compress level
// 1 = low, 9 = high (beware of CPU load!), recommended = 6
$Leaf->outputCompressLevel = 5;

// Using specific browser setting
$Leaf->useSpecificBrowserSetting = true;

?>
```

(Source code untuk proses user)

User.php

```
<?php

   /**
    * User
    * Kelas untuk mengenkapsulasi session user
    * @version $Id$
    **/
   class User {

            /**
             * application name
             */
            var $appName = "Leaf";
            /*
            var $id;
            var $username;
            var $password;
            var $name;
            */

            /**
             * constructor for User class, set all variable
             * @return void
             **/
            function User($appName = "Leaf",$params =
null) {
                $this->appName = $appName;
                if (is_array($params)) {
                    //foreach ($params as $key =>
$val) {
                    //    $this->{$key} = $val;
                    //}
                    $_SESSION[$this-
>appName]['user'] = $params;
                }
            }

            /**
             * default set variable
             * @return void
             **/
            function set($key,$val) {
                //NOTE: check if $key is a string
                $this->{$key} = $val;
                $_SESSION[$this-
>appName]['user'][$key] = $val;
            }

            /**
             * default get variable
             * @return void
             **/
            function get($key) {
                //NOTE: check if $key is a string
                return $_SESSION[$this-
>appName]['user'][$key];
            }
```

```
        /**
         * set all parameter
         * @return void
         **/
        function setParams($params) {
                if (is_array($params)) {
                    //NOTE: this keys are not saved when move to another fuseaction.. experiment with serialize
                    //foreach ($params as $key => $val) {
                    //    $this->{$key} = $val;
                    //}
                    $_SESSION[$this->appName]['user'] = $params;
                }
        }

}   /*end-of-class*/

?>
```

(Source code untuk proses berita)

Berita.php

```
<?php

extract($_POST);
extract($_GET);

switch ($action) {
    case "add" :
                // USER
                $user_id = $User->get("userid");

                if (!empty($file_gambar)) {
                //variabel-variabel yang digunakan untuk menyimpan data-data mengenai file ke database
                $tmp_name  = $_FILES['file_gambar']['tmp_name'];
                $name = $_FILES['file_gambar']['name'];
                $size = $_FILES['file_gambar']['size'];
                $type = $_FILES['file_gambar']['type'];
                // membuka atau membongkar file
                $fp = fopen($tmp_name, 'r');
            // membaca isi dari file, membaca kode binarynya
                $gambar = fread($fp, $size) or die("Error: cannot read file");
            // menyimpan kode binarynya ke variabel, ini yang nanti akan kita simpan di database
                $gambar = mysql_real_escape_string($gambar) or die("Error: cannot read file");
            //menutup kembali filenya
                fclose($fp);
                }
```

```
                    // insert berita ke database

                    $result = $LeafDB->query("insert
into ".TBL_BERITA."
(user_id,berita_judul,berita_isi,gambar_name,gambar_size
,gambar_type,gambar_data) values
('$user_id','$berita_judul','$content','$name','$size','$type','
$gambar')");


        $msg = "Data Berita '$berita_judul' berhasil
ditambah!";

        break;

      case "edit" :


        //variabel-variabel yang digunakan untuk
menyimpan data-data mengenai file ke database


            $tmp_name  =
$_FILES['file_gambar']['tmp_name'];


            $name = $_FILES['file_gambar']['name'];


            $size = $_FILES['file_gambar']['size'];


            $type = $_FILES['file_gambar']['type'];

                    // membuka atau membongkar file


            $fp = fopen($tmp_name, 'r');


          // membaca isi dari file, membaca kode
binarynya


            $gambar = fread($fp, $size) or die("Error:
cannot read file");


          // menyimpan kode binarynya ke variabel, ini
yang nanti akan kita simpan di database


            $gambar =
mysql_real_escape_string($gambar) or die("Error: cannot
read file");


                //menutup kembali filenya

                fclose($fp);


                    // update berita

        $result = $LeafDB->query("update
".TBL_BERITA." set berita_judul='$berita_judul',
berita_isi='$content', gambar_name='$name',
gambar_size='$size', gambar_type='$type',
gambar_data='$gambar' where berita_id = '$berita_id'");


        $msg = "Data Berita '$berita_judul' berhasil
diupdate!";

        break;

      case "delete" :


        $res = $LeafDB->query("select * from
".TBL_BERITA." where berita_id = '$berita_id'");

        $berita_judul = $res[0]->berita_judul;


                    $result = $LeafDB->query("delete
from ".TBL_BERITA." where berita_id = '$berita_id'");


        $msg = "Data Berita '$berita_judul' berhasil
dihapus!";

        break;

  }


  if ($result) {

    $Leaf->MessageAlert->setMessage($msg,TRUE);

    header ("Location: ?do=$Leaf->circuit.list");

    exit;

  }
```

```
?>


<circuit access="public">
		<fuseaction name="blob">
			<include template="dsp.blob.php"/>
		</fuseaction>
	<fuseaction name="view">
			<include template="dsp.view.php"/>
		</fuseaction>
	<fuseaction name="berita">
			<include template="dsp.berita.php"/>
		</fuseaction>
	<fuseaction name="list">
			<if condition="$Auth->check(15)">
		<true>
			<include template="dsp.list.php"/>
		</true>
		<false>
				<relocate
url="?do=public.error&amp;code=restrictedaccess" />
			</false>
		</if>
			</fuseaction>


			<fuseaction name="add">
			<if condition="$Auth->check(15)">
		<true>
			<include template="dsp.alter.php"/>
		</true>
		<false>
				<relocate
url="?do=public.error&amp;code=restrictedaccess" />
			</false>
		</if>
			</fuseaction>


			<fuseaction name="edit">
			<if condition="$Auth->check(15)">
		<true>
			<include template="dsp.alter.php"/>
		</true>
		<false>
				<relocate
url="?do=public.error&amp;code=restrictedaccess" />
			</false>
		</if>
			</fuseaction>


			<fuseaction name="cgi">
			<if condition="$Auth->check(15)">
		<true>
			<include template="act.cgi.php"/>
		</true>
		<false>
				<relocate
url="?do=public.error&amp;code=restrictedaccess" />
			</false>
		</if>
			</fuseaction>
```

```
</circuit>


<?php
   extract($_GET);


   $editor = $Leaf->factory("TextEditor");
   $editor->type = "word"; // simple | word


   switch ($Leaf->fuseaction) {
      case "edit":
         if (isset($berita_id) && ($berita_id != 0)) {
            $result = $LeafDB->query("select * from
".TBL_BERITA." where berita_id =
$berita_id",array("fetchMode" =>
DB_FETCHMODE_ASSOC));
            if (is_array($result)) {
               extract ($result[0]);
               $editor->loadText($berita_isi);
            }
         }
         break;


      case "add" :
         break;
   }


   $con = array();
   $con_file = array("dsp.alter.form0.php");
   foreach ($con_file as $item) {
      ob_start();
      include_once($item);
      $con[] = ob_get_contents();
      ob_end_clean();
   }


   $tabC = $Leaf->factory("TabContainer");
   $tabC->add('Form Data', $con[0]);


   //$tabC->addTabPane($tab0);


   $Leaf->Toolbar->icon =
ICONPATH32."news_new.png";
   $Leaf->Toolbar-
>addButton("Simpan","javascript:validation()","images/3
2/save.png","Simpan!");
   $Leaf->Toolbar-
>addButton("Batal","javascript:window.history.go(-
1)","images/32/cancel.png","Batal!");


   $Leaf->Toolbar->display();


?>
<script language = "JavaScript" type = "text/javascript">
<!--
function validation() {
                  if
(document.getElementById('berita_judul').value == '') {
         window.alert('Judul Berita belum diisi!');
      } else {
                  document.theForm.submit();
      }
```

```
            }
// -->
</script>

<form name="theForm" method="post"
action="?do=<?=$Leaf->circuit?>.cgi"
enctype="multipart/form-data">

<input name="berita_id" type="hidden"
value="<?=$berita_id?>">

<input name="action" type="hidden" value="<?=$Leaf-
>fuseaction?>">


<table width="100%" border="0" cellspacing="1"
cellpadding="0">
  <tr>
    <td colspan="6" valign="top">
      <? $tabC->display();?>
    </td>
  </tr>
  <tr>
    <td colspan="6" valign="top">
      <?=$editor->get()?>
    </td>
  </tr>
  </table>
</form>



<?php


  extract($_GET);
```

```
  switch ($Leaf->fuseaction) {

    case "berita":

      if (isset($berita_id) && ($berita_id != 0)) {

        $result = $LeafDB->query("select * from
".TBL_BERITA." where berita_id =
$berita_id",array("fetchMode" =>
DB_FETCHMODE_ASSOC));

        if (is_array($result)) {

          extract ($result[0]);

        }


         $viewBerita .= '<tr>

                                <td valign="top"
width="%%"> </td>

                              </tr>

                              <tr>

                              <td valign="top"
style="font-weight:bold;font-
size:15">'.$berita_judul.'</td>

                              </tr>

                              <tr>

                              <td valign="top"
width="%%"> </td>

                              </tr>

                              <tr>

                              <td valign="top"
width="%%"><img
src="?do=berita.blob&berita_id='.$berita_id.'"></td>

                              </tr>

                              <tr>

                               <td valign="top"
width="%%"><p>'.$berita_isi.'</p></td>

                               </tr>

                              <tr>
```

```
                                    <td valign="top"
width="%%"><hr></td>

                                    </tr>';

          }

      break;

   }



   $con = array();

   $con_file = array("dsp.view.form0.php");

   foreach ($con_file as $item) {

      ob_start();

      include_once($item);

      $con[] = ob_get_contents();

      ob_end_clean();

   }



   $tabC = $Leaf->factory("TabContainer");

   $tabC->add('Berita', $con[0]);



   $Leaf->Toolbar->icon =
ICONPATH32."news_new.png";

   $Leaf->Toolbar->title = "Berita";

   $Leaf->Toolbar->addButton("Kembali","?do=$Leaf-
>circuit.view","images/32/undo.png","Simpan!");



?>

<form name="theForm" method="get"
action="?do=<?=$Leaf->circuit?>.<?=$Leaf-
>fuseaction?>">

<input name="do" id="do" type="hidden"
value="<?=$Leaf->circuit?>.<?=$Leaf->fuseaction?>">

<table cellpadding='0' cellspacing='0' border='0'
width='100%'>

<tr><td><? $Leaf->Toolbar->display(); ?></td></tr>

<tr><td><?=$viewBerita?></td></tr>

</table>

</form>



<?php

   extract($_GET);

                    global $LeafDB;



   // Query untuk mengambil data ke database untuk
ditampilkan. Untuk contoh, kita akan ambil gambar
pertama dari database kita,, ditandai dengan id=1

   if (isset($berita_id) && ($berita_id != 0)) {

                    $result = $LeafDB->query("select *
from ".TBL_BERITA." where berita_id =
$berita_id",array("fetchMode" =>
DB_FETCHMODE_ASSOC));

                    if (is_array($result)) {

                       extract ($result[0]);

                    }

   }



                    $content = $gambar_data;



                    // header untuk memberi tahu
browser jenis data yang akan ditampilkan

                    header("Content-type:
$gambar_type");



   die($gambar_data);
```

```
?>


<?php


   extract($_GET);


   $sql = "select * from ".TBL_BERITA." ";


   $g =& $Leaf->factory("DBGridview","view",$sql);

   if ($User->get("usergroupid") != 4)

            $arr = array("No." => "width='3%'","Judul
Berita" => "width='20%'","Isi Berita" =>
"width=%%'","File Gambar" => "width='15%'","<div
align='center'>Pilihan</div>" => "width='7%'");

   else

            $arr = array("No." => "width='3%'","Judul
Berita" => "width='20%'","Isi Berita" =>
"width=%%'","File Gambar" => "width='15%'");

   $g->setHeader($arr    // headers

            ,array(null,'berita_judul')  // field berita_judul

            ,"berita_judul"            // default sort by

            ,"asc"           // default order by

   );


   $data = $g->getData();

   for ($j=$g->start; $j < $g->end; $j++) {

      //$sql = "select * from ".TBL_CATATTR." where
berita_id = '".$data[$j]->berita_id."'";

      //$res = $LeafDB->query($sql);

      $delete = empty($res[0]->berita_id) ?

            '<a href="#"
onClick="javascript:goDelete(\'?do='.$Leaf-
>circuit.'.cgi&action=delete&berita_id='.$data[$j]-
>berita_id.'\',\''.$data[$j]->berita_judul.'\');"
title="Hapus"><image src="images/16/delete2.png"
border="0"></a>'

            : '<a href="#" title="Hapus"><image
src="images/16/delete0.png" border="0"></a>';


            if ($User->get("usergroupid") != 4)
{

               $isi = explode(' ',
$data[$j]->berita_isi);

            for ($a==0; $a <= 10; $a++) {

               $isi_berita .= $isi[$a]."
";

            }

            $tes = $isi_berita;

               $arr = array("<div
align='right'>".($j+1).".</div>",

               $data[$j]->berita_judul,

               $data[$j]->berita_isi,

               $data[$j]-
>gambar_name,

               '<div align =
"center"><a href="?do='.$Leaf-
>circuit.'.edit&berita_id='.$data[$j]->berita_id.'"
title="Edit"><image src="images/16/edit.png"
border="0"></a>'.$delete.'</div>');

            } else

               $arr = array("<div
align='right'>".($j+1).".</div>",

               $data[$j]->berita_judul,

               $data[$j]->berita_isi,
```

```
                                        $data[$j]-
>gambar_name);


                            $g->addRow($arr);
    }


    $con = array();
    $con_file = array("dsp.list.form0.php");
    foreach ($con_file as $item) {
        ob_start();
        include_once($item);
        $con[] = ob_get_contents();
        ob_end_clean();
    }


    $tabC = $Leaf->factory("TabContainer");
    $tabC->add('Pencarian', $con[0]);


    $Leaf->Toolbar->icon =
ICONPATH32."news_new.png";
    if ($User->get("usergroupid") != 4)
                            $Leaf->Toolbar-
>addButton("Tambah","?do=$Leaf-
>circuit.add","images/32/add.png","Tambah Berita
Baru!");
    //$Leaf->Toolbar->addButton("Refresh","?do=$Leaf-
>circuit.$Leaf-
>fuseaction","images/32/refresh.png","Refresh!");
    //$Leaf->Toolbar-
>addButton("Excel","?".$_SERVER['QUERY_STRING'].
"&mode=excel","images/32/excel.png","Excel!");
    //$Leaf->Toolbar-
>addButton("Cetak","?".$_SERVER['QUERY_STRING']
."&mode=print","images/32/printer.png","Cetak halaman
ini!");
?>


<script language = "JavaScript" type = "text/javascript">
<!--
    function goDelete(loc,info) {
        var sure;
        sure = confirm("Anda yakin untuk menghapus '" +
info +"'?");
        if (sure) {
            location = loc;
        }
        else {
            return false;
        }
    }


// -->
</script>
<form name="theForm" method="get"
action="?do=<?=$Leaf->circuit?>.<?=$Leaf-
>fuseaction?>">
<input name="do" id="do" type="hidden"
value="<?=$Leaf->circuit?>.<?=$Leaf->fuseaction?>">
<table cellpadding='0' cellspacing='0' border='0'
width='100%'>
<tr><td><? $Leaf->Toolbar->display(); ?></td></tr>
<tr><td><? $g->display(); ?></td></tr>
</table>
</form>
```

```
<?php

   extract($_GET);


   $sql = "select * from ".TBL_BERITA."";

   $result = $LeafDB->query($sql);

   $cResult = count($result);

   if ($cResult > 0) {

                        $i=0;

                        foreach ($result as $item) {

                                                $isi =
explode(" ", $result[$i]->berita_isi);

                                                $berita_isi =
$isi[0].' '.$isi[1].' '.$isi[2].' '.$isi[3].' '.$isi[4].' '.$isi[5].'
'.$isi[6].' '.$isi[7].' '.$isi[8].' '.$isi[9].' '.$isi[10].' '.$isi[11].'
'.$isi[12].' '.$isi[13].' '.$isi[14].' '.$isi[15].' .....';

                                                //$j=0;

                                                //for($x==1;
$x<15; $x++){

                                                //$berita_isi
.= $isi[$j].' ';

                                                //$j++;

                                                //}

                                                $viewBerita
.= '<tr>


                                        <td valign="top"
width="%%"> </td>


                                </tr>


                                <tr>


                                        <td valign="top"
style="font-weight:bold;font-size:15">'.$result[$i]-
>berita_judul.'</td>


                                </tr>


                                <tr>


                                        <td valign="top"
width="%%"> </td>


                                </tr>


                                <tr>


                                        <td valign="top"
width="%%"><img
src="?do=berita.blob&berita_id='.$result[$i]-
>berita_id.'"></td>


                                </tr>


                                <tr>


                                        <td valign="top"
width="%%">'.$berita_isi.'.....</td>


                                </tr>


                                <tr>
```

```
                                        <td valign="top"
width="%%"><a href="?do='.$Leaf-
>circuit.'.berita&berita_id='.$result[$i]->berita_id.'"
title="Lihat berita selengkapnya!"><font color="blue"> [
selengkapnya... ] </font></a></td>

                                    </tr>

                                    <tr>

                                      <td valign="top"
width="%%"><hr></td>

                                    </tr>';

                                        $i++;

                        }

    }
```

```
    $con = array();

    $con_file = array("dsp.view.form0.php");

    foreach ($con_file as $item) {

        ob_start();

        include_once($item);

        $con[] = ob_get_contents();

        ob_end_clean();

    }


    $tabC = $Leaf->factory("TabContainer");

    $tabC->add('Berita', $con[0]);

    $Leaf->Toolbar->icon =
ICONPATH32."news_new.png";

    $Leaf->Toolbar->title = "Berita";


?>

<form name="theForm" method="get"
action="?do=<?=$Leaf->circuit?>.<?=$Leaf-
>fuseaction?>">

<input name="do" id="do" type="hidden"
value="<?=$Leaf->circuit?>.<?=$Leaf->fuseaction?>">

<table cellpadding='0' cellspacing='0' border='0'
width='100%'>

<tr><td><? $Leaf->Toolbar->display(); ?></td></tr>

<tr><td><? require("dsp.view.form0.php"); ?></td></tr>

</table>

</form>
```

(Source code untuk fungsi proses konsultasi)

Kerusakan.php

```
<?php


    extract($_POST);

    extract($_GET);


    switch ($action) {

        case "add" :


            $result = $LeafDB->query("insert into
".TBL_KERUSAKAN."
```

```
(kerusakan_nama,kerusakan_definisi) values
('$kerusakan_nama','$kerusakan_definisi')");


        $msg = "Data Kerusakan '$kerusakan_nama'
berhasil ditambah!";

        break;

      case "edit" :


        $result = $LeafDB->query("update
".TBL_KERUSAKAN." set
kerusakan_nama='$kerusakan_nama',
kerusakan_definisi='$kerusakan_definisi' where
kerusakan_id = '$kerusakan_id'");


        $msg = "Data Kerusakan '$kerusakan_nama'
berhasil diupdate!";

        break;

      case "delete" :


        $res = $LeafDB->query("select * from
".TBL_KERUSAKAN." where kerusakan_id =
'$kerusakan_id'");

        $kerusakan_nama = $res[0]-
>kerusakan_nama;


        $result = $LeafDB->query("delete from
".TBL_KERUSAKAN." where kerusakan_id =
'$kerusakan_id'");


        $msg = "Data Kerusakan '$kerusakan_nama'
berhasil dihapus!";

        break;

   }

   if ($result) {

      $Leaf->MessageAlert-
>setMessage($msg,TRUE);

      header ("Location: ?do=$Leaf->circuit.list");

      exit;

   }

?>


<circuit access="public">

        <fuseaction name="list">

          <if condition="$Auth->check(15)">

      <true>

        <include template="dsp.list.php"/>

      </true>

      <false>

            <relocate
url="?do=public.error&amp;code=restrictedaccess"
/>

          </false>

      </if>

        </fuseaction>


        <fuseaction name="add">

          <if condition="$Auth->check(15)">

      <true>

        <include template="dsp.alter.php"/>

      </true>
```

```
    <false>
            <relocate
url="?do=public.error&amp;code=restrictedaccess"
/>
        </false>
    </if>
        </fuseaction>

        <fuseaction name="edit">
          <if condition="$Auth->check(15)">
    <true>
      <include template="dsp.alter.php"/>
    </true>
    <false>
            <relocate
url="?do=public.error&amp;code=restrictedaccess"
/>
        </false>
    </if>
        </fuseaction>

        <fuseaction name="cgi">
          <if condition="$Auth->check(15)">
    <true>
      <include template="act.cgi.php"/>
    </true>
    <false>
            <relocate
url="?do=public.error&amp;code=restrictedaccess"
/>
        </false>
    </if>
        </fuseaction>

</circuit>

<?php

  extract($_GET);

  switch ($Leaf->fuseaction) {
    case "edit":
      if (isset($kerusakan_id) && ($kerusakan_id
!= 0)) {
        $result = $LeafDB->query("select * from
".TBL_KERUSAKAN." where kerusakan_id =
$kerusakan_id",array("fetchMode" =>
DB_FETCHMODE_ASSOC));
        if (is_array($result)) {
          extract ($result[0]);
        }
      }
      break;

    case "add" :
      break;
  }

  $con = array();
```

```
   $con_file = array("dsp.alter.form0.php");

   foreach ($con_file as $item) {

      ob_start();

      include_once($item);

      $con[] = ob_get_contents();

      ob_end_clean();

   }


   $tabC = $Leaf->factory("TabContainer");

   $tabC->add('Form Data', $con[0]);


   //$tabC->addTabPane($tab0);


   $Leaf->Toolbar->icon =
ICONPATH32."document.png";

   $Leaf->Toolbar-
>addButton("Simpan","javascript:validation()","im
ages/32/save.png","Simpan!");

   $Leaf->Toolbar-
>addButton("Batal","javascript:window.history.go(
-1)","images/32/cancel.png","Batal!");


   $Leaf->Toolbar->display();


?>

<script language = "JavaScript" type =
"text/javascript">

<!--

function validation() {

                  if
(document.getElementById('kerusakan_nama').valu
e == '') {

         window.alert('Kerusakan belum diisi!');

      } else {

                  document.theForm.submit();

      }

            }

// -->

</script>

<form name="theForm" method="post"
action="?do=<?=$Leaf->circuit?>.cgi">

<input name="kerusakan_id" type="hidden"
value="<?=$kerusakan_id?>">

<input name="action" type="hidden"
value="<?=$Leaf->fuseaction?>">

<? $tabC->display();?>

</form>


<?php


   extract($_GET);


   $sql = "select * from ".TBL_KERUSAKAN." ";


   $g =& $Leaf-
>factory("DBGridview","view",$sql);

   $g->setHeader(array("No." =>
"width='3%'","Kerusakan" =>
"width='25%'","Definisi" => "width='%%'","<div
align='center'>Pilihan</div>" => "width='7%'")   //
headers
```

```
            ,array(null,'kerusakan_nama')  // field
kerusakan_nama

            ,"kerusakan_nama"            // default sort
by

            ,"asc"           // default order by

   );


   $data = $g->getData();

   for ($j=$g->start; $j < $g->end; $j++) {

      $sql = "select * from
".TBL_GEJALARUSAK." where kerusakan_id =
'".$data[$j]->kerusakan_id."'";

      $res = $LeafDB->query($sql);

      $delete = empty($res[0]->kerusakan_id) ?

            '<a href="#"
onClick="javascript:goDelete(\'?do='.$Leaf-
>circuit.'.cgi&action=delete&kerusakan_id='.$data[
$j]->kerusakan_id.'\',\''.$data[$j]-
>kerusakan_nama.'\');" title="Hapus"><image
src="images/16/delete2.png" border="0"></a>'

            : '<a href="#" title="Hapus"><image
src="images/16/delete0.png" border="0"></a>';


            $g->addRow(array(

            "<div align='right'>".($j+1).".</div>",

            $data[$j]->kerusakan_nama,

            $data[$j]->kerusakan_definisi,

            '<div align = "center"><a
href="?do='.$Leaf-
>circuit.'.edit&kerusakan_id='.$data[$j]-
>kerusakan_id.'" title="Edit"><image
src="images/16/edit.png"
border="0"></a>'.$delete.'</div>'

      ));

   }


   $con = array();

   $con_file = array("dsp.list.form0.php");

   foreach ($con_file as $item) {

      ob_start();

      include_once($item);

      $con[] = ob_get_contents();

      ob_end_clean();

   }


   $tabC = $Leaf->factory("TabContainer");

   $tabC->add('Pencarian', $con[0]);


   $Leaf->Toolbar->icon =
ICONPATH32."document.png";

   if ($User->get("usergroupid") == 2 || $User-
>get("usergroupid") == 4 || $User-
>get("usergroupid") == 5)

                  $Leaf->Toolbar-
>addButton("Tambah","?do=$Leaf-
>circuit.add","images/32/add.png","Tambah
Kerusakan Baru!");

   //$Leaf->Toolbar-
>addButton("Refresh","?do=$Leaf->circuit.$Leaf-
>fuseaction","images/32/refresh.png","Refresh!");

   //$Leaf->Toolbar-
>addButton("Excel","?".$_SERVER['QUERY_ST
RING']."&mode=excel","images/32/excel.png","Ex
cel!");

   //$Leaf->Toolbar-
>addButton("Cetak","?".$_SERVER['QUERY_ST
RING']."&mode=print","images/32/printer.png","C
etak halaman ini!");
```

```
?>


<script language = "JavaScript" type =
"text/javascript">

<!--

   function goDelete(loc,info) {

      var sure;

      sure = confirm("Anda yakin untuk menghapus
'" + info +"'?");

      if (sure) {

         location = loc;

      }

      else {

         return false;

      }

   }


// -->

</script>

<form name="theForm" method="get"
action="?do=<?=$Leaf->circuit?>.<?=$Leaf-
>fuseaction?>">

<input name="do" id="do" type="hidden"
value="<?=$Leaf->circuit?>.<?=$Leaf-
>fuseaction?>">

<table cellpadding='0' cellspacing='0' border='0'
width='100%'>

<tr><td><? $Leaf->Toolbar->display();
?></td></tr>

<tr><td><? $g->display(); ?></td></tr>

</table>

</form>
```

(Source code untuk fungsi proses konsultasi)

gejala.php

```
<?php


   extract($_POST);

   extract($_GET);


   switch ($action) {

      case "add" :

                  if (!empty($file_gambar)) {

                  //variabel-variabel yang digunakan
untuk menyimpan data-data mengenai file ke database


            $tmp_name  =
$_FILES['file_gambar']['tmp_name'];


            $name = $_FILES['file_gambar']['name'];


            $size = $_FILES['file_gambar']['size'];


            $type = $_FILES['file_gambar']['type'];

                  // membuka atau membongkar file


            $fp = fopen($tmp_name, 'r');


         // membaca isi dari file, membaca kode
binarynya


            $content = fread($fp, $size) or die("Error:
cannot read file");
```

```
            // menyimpan kode binarynya ke variabel, ini
yang nanti akan kita simpan di database

                $content =
mysql_real_escape_string($content) or die("Error: cannot
read file");

            //menutup kembali filenya

                fclose($fp);

                    }


                    //die($type);

        // insert dokumen ke database

                    $result = $LeafDB->query("insert
into ".TBL_GEJALA."
(gejala_nama,gambar_name,gambar_size,gambar_type,ga
mbar_data) values
('$gejala_nama','$name','$size','$type','$content')");



        $msg = "Data Gejala '$gejala_nama' berhasil
ditambah!";

        break;

      case "edit" :



                    //variabel-variabel yang digunakan
untuk menyimpan data-data mengenai file ke database


                $tmp_name  =
$_FILES['file_gambar']['tmp_name'];

                $name = $_FILES['file_gambar']['name'];

                $size = $_FILES['file_gambar']['size'];

                $type = $_FILES['file_gambar']['type'];

                    // membuka atau membongkar file
                $fp = fopen($tmp_name, 'r');

            // membaca isi dari file, membaca kode
binarynya

                $content = fread($fp, $size) or die("Error:
cannot read file");

            // menyimpan kode binarynya ke variabel, ini
yang nanti akan kita simpan di database

                $content =
mysql_real_escape_string($content) or die("Error: cannot
read file");

            //menutup kembali filenya

                fclose($fp);



        $result = $LeafDB->query("update
".TBL_GEJALA." set gejala_nama='$gejala_nama',
gambar_name='$name', gambar_size='$size',
gambar_type='$type', gambar_data='$content' where
gejala_id = '$gejala_id'");



        $msg = "Data Gejala '$gejala_nama' berhasil
diupdate!";

        break;

      case "delete" :



        $res = $LeafDB->query("select * from
".TBL_GEJALA." where gejala_id = '$gejala_id'");

        $gejala_nama = $res[0]->gejala_nama;


        $result = $LeafDB->query("delete from
".TBL_GEJALA." where gejala_id = '$gejala_id'");
```

```
        $msg = "Data Gejala '$gejala_nama' berhasil
dihapus!";
        break;
    }

    if ($result) {
        $Leaf->MessageAlert->setMessage($msg,TRUE);
        header ("Location: ?do=$Leaf->circuit.list");
        exit;
    }
?>

<circuit access="public">
            <fuseaction name="blob">
                <if condition="$Auth->check(15)">
        <true>
            <include template="dsp.blob.php"/>
        </true>
        <false>
                    <relocate
url="?do=public.error&amp;code=restrictedaccess" />
                </false>
        </if>
            </fuseaction>

            <fuseaction name="list">
                <if condition="$Auth->check(15)">
        <true>
            <include template="dsp.list.php"/>
        </true>
        <false>
                    <relocate
url="?do=public.error&amp;code=restrictedaccess" />
                </false>
        </if>
            </fuseaction>

            <fuseaction name="add">
                <if condition="$Auth->check(15)">
        <true>
            <include template="dsp.alter.php"/>
        </true>
        <false>
                    <relocate
url="?do=public.error&amp;code=restrictedaccess" />
                </false>
        </if>
            </fuseaction>

            <fuseaction name="edit">
                <if condition="$Auth->check(15)">
        <true>
            <include template="dsp.alter.php"/>
        </true>
        <false>
                    <relocate
url="?do=public.error&amp;code=restrictedaccess" />
                </false>
        </if>
            </fuseaction>
```

```
            <fuseaction name="cgi">
              <if condition="$Auth->check(15)">
    <true>
      <include template="act.cgi.php"/>
    </true>
    <false>
                <relocate
url="?do=public.error&amp;code=restrictedaccess" />
              </false>
    </if>
            </fuseaction>

</circuit>
```

```
<?php
  extract($_GET);

  switch ($Leaf->fuseaction) {
    case "edit":
      if (isset($gejala_id) && ($gejala_id != 0)) {
        $result = $LeafDB->query("select * from
".TBL_GEJALA." where gejala_id =
$gejala_id",array("fetchMode" =>
DB_FETCHMODE_ASSOC));
        if (is_array($result)) {
          extract ($result[0]);
        }
      }
      break;
    case "add" :
      break;
  }

  $con = array();
  $con_file = array("dsp.alter.form0.php");
  foreach ($con_file as $item) {
    ob_start();
    include_once($item);
    $con[] = ob_get_contents();
    ob_end_clean();
  }

  $tabC = $Leaf->factory("TabContainer");
  $tabC->add('Form Data', $con[0]);

  //$tabC->addTabPane($tab0);

  $Leaf->Toolbar->icon =
ICONPATH32."document.png";
  $Leaf->Toolbar-
>addButton("Simpan","javascript:validation()","images/3
2/save.png","Simpan!");
  $Leaf->Toolbar-
>addButton("Batal","javascript:window.history.go(-
1)","images/32/cancel.png","Batal!");

  $Leaf->Toolbar->display();

?>

<script language = "JavaScript" type = "text/javascript">
```

```
<!--

function validation() {

                        if
(document.getElementById('gejala_nama').value == '') {

          window.alert('Gejala belum diisi!');

      } else {

                        document.theForm.submit();

      }

            }

// -->

</script>

<form name="theForm" method="post"
action="?do=<?=$Leaf->circuit?>.cgi"
enctype="multipart/form-data">

<input name="gejala_id" type="hidden"
value="<?=$gejala_id?>">

<input name="action" type="hidden" value="<?=$Leaf-
>fuseaction?>">

<? $tabC->display();?>

</form>



<?php

   extract($_GET);

                        global $LeafDB;



   // Query untuk mengambil data ke database untuk
ditampilkan. Untuk contoh, kita akan ambil gambar
pertama dari database kita,, ditandai dengan id=1

   if (isset($gejala_id) && ($gejala_id != 0)) {

                        $result = $LeafDB->query("select *
from ".TBL_GEJALA." where gejala_id =
$gejala_id",array("fetchMode" =>
DB_FETCHMODE_ASSOC));

                        if (is_array($result)) {

                              extract ($result[0]);

                        }

   }



                        $content = $gambar_data;



                        // header untuk memberi tahu
browser jenis data yang akan ditampilkan

                        header("Content-type:
$gambar_type");



   die($gambar_data);



?>



<?php



   extract($_GET);



   $sql = "select * from ".TBL_GEJALA." ";



   $g =& $Leaf->factory("DBGridview","view",$sql);

   $g->setHeader(array("No." => "width='3%'","Gejala"
=> "width='%%'","File Gambar" => "width='15%'","<div
align='center'>Pilihan</div>" => "width='7%'")    //
headers

            ,array(null,'gejala_nama')  // field gejala_nama

            ,"gejala_nama"            // default sort by

            ,"asc"          // default order by

   );
```

```
   $data = $g->getData();

   for ($j=$g->start; $j < $g->end; $j++) {

      $sql = "select * from ".TBL_GEJALARUSAK."
where gejala_id = '".$data[$j]->gejala_id."'";

      $res = $LeafDB->query($sql);

      $delete = empty($res[0]->gejala_id) ?

            '<a href="#"
onClick="javascript:goDelete(\'?do='.$Leaf-
>circuit.'.cgi&action=delete&gejala_id='.$data[$j]-
>gejala_id.'\',\''.$data[$j]->gejala_nama.'\');"
title="Hapus"><image src="images/16/delete2.png"
border="0"></a>'

            : '<a href="#" title="Hapus"><image
src="images/16/delete0.png" border="0"></a>';



            $g->addRow(array(

            "<div align='right'>".($j+1).".</div>",

            $data[$j]->gejala_nama,

            $data[$j]->gambar_name,

            '<div align = "center"><a href="?do='.$Leaf-
>circuit.'.edit&gejala_id='.$data[$j]->gejala_id.'"
title="Edit"><image src="images/16/edit.png"
border="0"></a>'.$delete.'</div>'

      ));

   }


   $con = array();

   $con_file = array("dsp.list.form0.php");

   foreach ($con_file as $item) {

      ob_start();

      include_once($item);

      $con[] = ob_get_contents();

      ob_end_clean();

   }

   $tabC = $Leaf->factory("TabContainer");

   $tabC->add('Pencarian', $con[0]);



   $Leaf->Toolbar->icon =
ICONPATH32."document.png";

   if ($User->get("usergroupid") == 2 || $User-
>get("usergroupid") == 4 || $User->get("usergroupid") ==
5)

                  $Leaf->Toolbar-
>addButton("Tambah","?do=$Leaf-
>circuit.add","images/32/add.png","Tambah Gejala
Baru!");

   //$Leaf->Toolbar->addButton("Refresh","?do=$Leaf-
>circuit.$Leaf-
>fuseaction","images/32/refresh.png","Refresh!");

   //$Leaf->Toolbar-
>addButton("Excel","?".$_SERVER['QUERY_STRING'].
"&mode=excel","images/32/excel.png","Excel!");

   //$Leaf->Toolbar-
>addButton("Cetak","?".$_SERVER['QUERY_STRING']
."&mode=print","images/32/printer.png","Cetak halaman
ini!");

?>



<script language = "JavaScript" type = "text/javascript">

<!--

   function goDelete(loc,info) {

      var sure;

      sure = confirm("Anda yakin untuk menghapus '" +
info +"'?");

      if (sure) {

         location = loc;

      }

      else {

         return false;
```

```
    }

  }


// -->

</script>

<form name="theForm" method="get"
action="?do=<?=$Leaf->circuit?>.<?=$Leaf-
>fuseaction?>">

<input name="do" id="do" type="hidden"
value="<?=$Leaf->circuit?>.<?=$Leaf->fuseaction?>">

<table cellpadding='0' cellspacing='0' border='0'
width='100%'>

<tr><td><? $Leaf->Toolbar->display(); ?></td></tr>

<tr><td><? $g->display(); ?></td></tr>

</table>

</form>
```

Field Gejala_kerusakan

Act.cgi.php

```
<?php


  extract($_POST);

  extract($_GET);


  switch ($action) {

    case "nomor" :

                    // KERUSAKAN


          $resKerusakan = $LeafDB->query("select *
from ".TBL_KERUSAKAN." where kerusakan_id =
'".$kerusakan_id."'");

                    $kerusakan_nama =
$resKerusakan[0]->kerusakan_nama;


                    if (is_array($kerusakan_id)) {

                        $update = array();

                        $i=0;

                        foreach ($kerusakan_id
as $id) {

                    $update[] =
array($nomor[$i],$id,$gejala_id[$i]);

                    $i++;

                }

                    //echo "<pre>";

                    //echo print_r($update); die();

                    //echo "</pre>";

                    $result = PearDB::queries($update,
"update ".TBL_GEJALARUSAK." set nomor = ? where
kerusakan_id = ? and gejala_id = ?");

                }


          $msg = "Data penomoran untuk kerusakan
'$kerusakan_nama' berhasil diupdate!";

        break;

      case "add" :

                    // MAX

                        $res =
$LeafDB->query("select max(nomor) as maxNumber
from ".TBL_GEJALARUSAK." where kerusakan_id =
'".$kerusakan_id."'");

                    $number = empty($res[0]-
>maxNumber) ? 1 : ($res[0]->maxNumber+1);

                    // GEJALA KERUSAKAN
```

```
            $resKerusakan = $LeafDB->query("select *
from ".TBL_KERUSAKAN." where kerusakan_id =
'".$kerusakan_id."'");

                                $kerusakan_nama =
$resKerusakan[0]->kerusakan_nama;

        // GEJALA KERUSAKAN

                                                $resGejala =
$LeafDB->query("select * from ".TBL_GEJALA." where
gejala_id = '".$gejala_id."'");

                                $gejala_nama = $resGejala[0]-
>gejala_nama;



        $result = $LeafDB->query("insert into
".TBL_GEJALARUSAK."
(gejala_id,kerusakan_id,jawab_ya,jawab_tidak,nomor)
values
('$gejala_id','$kerusakan_id','$jawab_ya','$jawab_tidak','$
number')");



        $msg = "Data Konsultasi dengan gejala
'$gejala_nama' berhasil ditambah!";

        //$msg = "Data Konsultasi dengan Kerusakan
'$kerusakan_nama' dan Gejala '$gejala_nama' berhasil
ditambah!";

        break;

      case "edit" :

                        // KERUSAKAN


            $resKerusakan = $LeafDB->query("select
kerusakan_nama from ".TBL_KERUSAKAN." where
kerusakan_id = '".$kerusakan_id."'");

                                $kerusakan_nama =
$resKerusakan[0]->kerusakan_nama;

        // GEJALA

                                                $resGejala =
$LeafDB->query("select gejala_nama from
".TBL_GEJALA." where gejala_id = '".$gejala_id."'");

                                $gejala_nama = $resGejala[0]-
>gejala_nama;



        $result = $LeafDB->query("update
".TBL_GEJALARUSAK." set gejala_id='$gejala_id',
kerusakan_id='$kerusakan_id', jawab_ya='$jawab_ya',
jawab_tidak='$jawab_tidak' where kerusakan_id =
'".$kerusakan_id."' and gejala_id = '".$gejala_id."'");



        $msg = "Data Konsultasi dengan gejala
'$gejala_nama' berhasil diupdate!";

        //$msg = "Data Konsultasi dengan Kerusakan
'$kerusakan_nama' dan Gejala '$gejala_nama' berhasil
diupdate!";

        break;

      case "delete" :



        // KERUSAKAN


            $resKerusakan = $LeafDB->query("select
kerusakan_nama from ".TBL_KERUSAKAN." where
kerusakan_id = '".$kerusakan_id."'");

                                $kerusakan_nama =
$resKerusakan[0]->kerusakan_nama;

        // GEJALA

                                                $resGejala =
$LeafDB->query("select gejala_nama from
".TBL_GEJALA." where gejala_id = '".$gejala_id."'");

                                $gejala_nama = $resGejala[0]-
>gejala_nama;



        $result = $LeafDB->query("delete from
".TBL_GEJALARUSAK." where kerusakan_id =
'".$kerusakan_id."' and gejala_id = '".$gejala_id."'");



        $msg = "Data Konsultasi dengan gejala
'$gejala_nama' berhasil dihapus!";

        break;

    }
```

```
    if ($result) {
        $Leaf->MessageAlert->setMessage($msg,TRUE);
        header ("Location: ?do=$Leaf->circuit.list");
        exit;
    }
?>
```

Dsp.alter.php

```
<?php

    extract($_GET);

    switch ($Leaf->fuseaction) {
        case "nomor":
            if (isset($kerusakan_id) && ($kerusakan_id != ""))
{
                $result = $LeafDB->query("select * from
".TBL_GEJALARUSAK." where kerusakan_id =
$kerusakan_id",array("fetchMode" =>
DB_FETCHMODE_ASSOC));
                if (is_array($result)) {
                    extract ($result[0]);
                }
                            $res = $LeafDB->query("select
kerusakan_nama from ".TBL_KERUSAKAN." where
kerusakan_id = $kerusakan_id");
                            $kerusakan = $res[0]-
>kerusakan_nama;
            }
            break;
        case "edit":
            if (($kerusakan_id != '') && ($gejala_id != '')) {
                $result = $LeafDB->query("select * from
".TBL_GEJALARUSAK." where kerusakan_id =
$kerusakan_id and gejala_id =
$gejala_id",array("fetchMode" =>
DB_FETCHMODE_ASSOC));
                if (is_array($result)) {
                    extract ($result[0]);
                }
            }
            break;

        case "add" :
            break;
    }

    // GEJALA
    $res = PearDB::query("select * from
".TBL_GEJALA."");
    $strGejala = "<option value=''>-- Gejala --</option>";
    if (is_array($res)) foreach ($res as $item) {
        $sel = $gejala_id == $item->gejala_id ? "selected" :
"";
        $strGejala .= "<option value='$item->gejala_id'
$sel>".$item->gejala_nama."</option>\n";
    }
    // KERUSAKAN
    $res = PearDB::query("select * from
".TBL_KERUSAKAN."");
    $strKerusakan = "<option value=''>-- Kerusakan --
</option>";
    if (is_array($res)) foreach ($res as $item) {
```

```
    $sel = $kerusakan_id == $item->kerusakan_id ? "selected" : "";

    $strKerusakan .= "<option value='$item->kerusakan_id' $sel>".$item->kerusakan_nama."</option>\n";

  }


  if (!empty($kerusakan_id)) {

                $sql = "select * from ".TBL_GEJALARUSAK." where kerusakan_id = '".$kerusakan_id."'";

                $res = PearDB::query($sql);


                $tblor = '';

                        $counter = 0;

                        foreach ($res as $item) {

        $resGejala = PearDB::query("select * from ".TBL_GEJALA." where gejala_id = '".$item->gejala_id."'");

                                                $tblor .= '<tr>


                <td align="right"><input type="text" name="nomor['.$counter.']" class="editable" id="nomor'.$counter.'" value="'.$item->nomor.'" size="5" maxlength="4" style="text-align:center"> <font color="#FF0000">*</font>



            <input type="hidden" name="kerusakan_id['.$counter.']" class="editable" id="kerusakan_id'.$counter.'" value="'.$item->kerusakan_id.'" size="5" maxlength="10">



            <input type="hidden" name="gejala_id['.$counter.']" class="editable" id="gejala_id'.$counter.'" value="'.$item->gejala_id.'" size="5" maxlength="10"></td>



                <td align="left">'.$resGejala[0]->gejala_nama.'</td>


                <td align="left">'.(empty($item->jawab_ya) ? ' ' : $item->jawab_ya).'</td>


                <td align="left">'.(empty($item->jawab_tidak) ? ' ' : $item->jawab_tidak).'</td>


            </tr>';

                $counter++;

                                                }

                $numOfRows = $counter;

                        }


  $con = array();

  if ($Leaf->fuseaction == 'nomor')

        $con_file = array("dsp.alter.form1.php");

  else

        $con_file = array("dsp.alter.form0.php");

  foreach ($con_file as $item) {

    ob_start();

    include_once($item);

    $con[] = ob_get_contents();

    ob_end_clean();

  }
```

```
   $tabC = $Leaf->factory("TabContainer");

   if ($Leaf->fuseaction == 'nomor')

            $tabC->add('Penomoran', $con[0]);

   else

            $tabC->add('Form Data', $con[0]);



   //$tabC->addTabPane($tab0);



   $Leaf->Toolbar->icon =
ICONPATH32."question_and_answer.png";

   if ($Leaf->fuseaction == 'nomor')

            $Leaf->Toolbar->title = "Penomoran Materi
Konsultasi";

   $Leaf->Toolbar-
>addButton("Simpan","javascript:validation()","images/3
2/save.png","Simpan!");

   $Leaf->Toolbar-
>addButton("Batal","javascript:window.history.go(-
1)","images/32/cancel.png","Batal!");



   $Leaf->Toolbar->display();



?>

<? if ($Leaf->fuseaction == 'nomor') { ?>

<script language="JavaScript" type="text/javascript">

<!--

                  function validation() {

                                    var jml = 0;

                                    <? for ($i=0;
$i < $numOfRows; $i++) { ?>


            var num = <?=$i?>;

                                                      if
(document.getElementById('nomor'+num).value == '') {


            var counter = num+1;

                                    window.alert('Pertanyaan ke-
'+counter+' belum diberi nomor!');


                        var jml = jml+counter;

                  } else

                        var jum = 0;

                        <? } ?>

                        if (jml == 0) {


            document.theForm.submit();

                  }

            }

// -->

</script>

<? } else { ?>

<script language="JavaScript" type="text/javascript">

<!--

                        function validation() {

                        if
(document.getElementById('gejala_id').value == '') {

      window.alert('Gejala belum dipilih!');

   } else if
(document.getElementById('kerusakan_id').value == '') {

      window.alert('Kerusakan belum dipilih!');

   } else {

                        document.theForm.submit();

   }

            }
```

```
/**
        function addRow(theID){
                //if (typeof addRow.idx == "undefined")
                //    addRow.idx = 0;
                //addRow.idx++;

                var tr, td;
            tbody = document.getElementById(theID);
                idNumber = tbody.rows.length;

                var input_customer = '<input type=\'text\' name=\'customer['+idNumber+']\' class=\'editable\' id=\'customer'+ idNumber +'\' size=\'40\'><a title=\'Pilih Customer\' href=\'#\' onclick=\'return window.open("?do=customer.select&fInput=customer'+ idNumber +'&fId=customerid'+idNumber+'&mode=popup","test","width=800,height=600,resizable=1,scrollbars=1");\'> <img border=0 src=\'images/16/folder_out.png\'></a> <input type=\'hidden\' name=\'customerid['+idNumber+']\' class=\'editable\' id=\'customerid'+idNumber+'\'>';

                //row
            tr = tbody.insertRow(idNumber);
                var counter=idNumber+1;

                td = tr.insertCell(tr.cells.length);
        td.innerHTML = counter+'.';
        td.align='right';

                td = tr.insertCell(tr.cells.length);
        td.innerHTML = input_customer;
        td.align='center';

                td = tr.insertCell(tr.cells.length);
        td.innerHTML = addRow();
        td.align='center';

                //x++;
        }

        function delRow(theID){
            var tbody = document.getElementById(theID);
                idNumber = tbody.rows.length;
                if (idNumber != 1)
        tbody.deleteRow((tbody.rows.length - 1));
        }
**/
// -->
</script>
<? } ?>
<form name="theForm" method="post" action="?do=<?=$Leaf->circuit?>.cgi">
<input name="kerusakan_id" type="hidden" value="<?=$kerusakan_id?>">
```

```
<input name="gejala_id" type="hidden"
value="<?=$gejala_id?>">

<input name="action" type="hidden" value="<?=$Leaf-
>fuseaction?>">

<? $tabC->display();?>

</form>
```

dsp.list.php

```
<?php

   extract($_GET);

   if (isset($kerusakan_id) || $kerusakan_id != '') {

                        $wh .= " and kerusakan_id =
'".$kerusakan_id."'";

   }

   $sql = "select * from ".TBL_GEJALARUSAK." where
1$wh";

   $g =& $Leaf->factory("DBGridview","view",$sql);

   $g->setHeader(array("No." => "width='3%'
rowspan='2'","Kerusakan" => "width='20%'
rowspan='2'","Gejala" => "width='%%'
rowspan='2'","Jawaban" => "width='30%'
colspan='2'","<div align='center'>Pilihan</div>" =>
"width='10%' rowspan='2'")    // headers

            ,array(null,'kerusakan_id','gejala_id')  // field
kerusakan_id

            ,"kerusakan_id, nomor"            // default sort
by

            ,"asc"          // default order by

   );

   $g->addRow(array("Ya" => "width='15%'","Tidak" =>
"width='15%'"),0,array("rowType"=>"th"));

   $data = $g->getData();

   $num=0;

   for ($j=$g->start; $j < $g->end; $j++) {

      // KERUSAKAN

                        $sql = "select * from
".TBL_KERUSAKAN." where kerusakan_id =
'".$data[$j]->kerusakan_id."'";

      $resKerusakan = $LeafDB->query($sql);

      // GEJALA

                        $sql = "select * from
".TBL_GEJALA." where gejala_id = '".$data[$j]-
>gejala_id."'";

      $resGejala = $LeafDB->query($sql);

      $konsultasi = 'Data Kerusakan '.$resKerusakan[0]-
>kerusakan_nama.' dengan Gejala '.$resGejala[0]-
>gejala_nama.";

      $delete = '<a href="#"
onClick="javascript:goDelete(\'?do='.$Leaf-
>circuit.'.cgi&action=delete&kerusakan_id='.$data[$j]-
>kerusakan_id.'&gejala_id='.$data[$j]-
>gejala_id.'\',\''.$konsultasi.'\');" title="Hapus"><image
src="images/16/delete2.png" border="0"></a>';

      $kerusakan = ($data[$j]->kerusakan_id == $data[$j-
1]->kerusakan_id) ? "" : $resKerusakan[0]-
>kerusakan_nama;

                        $gejala       = $data[$j]->nomor.'.
'.$resGejala[0]->gejala_nama;

                        if ($data[$j]->kerusakan_id ==
$data[$j-1]->kerusakan_id)

                                    $pilihan = '<div
align="center"><a href="?do='.$Leaf-
>circuit.'.edit&kerusakan_id='.$data[$j]-
>kerusakan_id.'&gejala_id='.$data[$j]->gejala_id."'
```

```
title="Edit"><image src="images/16/edit.png"
border="0"></a>'.$delete.'</div>';

                        else

                                $pilihan = '<div
align="center"><a href="?do='.$Leaf-
>circuit.'.nomor&kerusakan_id='.$data[$j]-
>kerusakan_id.'" title="Penomoran"><image
src="images/16/preferences.png" border="0"></a><a
href="?do='.$Leaf-
>circuit.'.edit&kerusakan_id='.$data[$j]-
>kerusakan_id.'&gejala_id='.$data[$j]->gejala_id.'"
title="Edit"><image src="images/16/edit.png"
border="0"></a>'.$delete.'</div>';



                        $g->addRow(array(

            "<div align='right'>".(($data[$j]->kerusakan_id
== $data[$j-1]->kerusakan_id) ? "" : ($num+1)).".</div>",

            $kerusakan,

            $gejala,

            $data[$j]->jawab_ya,

            $data[$j]->jawab_tidak,

            $pilihan

      ));



                        $data[$j]->kerusakan_id ==
$data[$j-1]->kerusakan_id ? "" : ($num++);

   }



   // KERUSAKAN

   $res = PearDB::query("select * from
".TBL_KERUSAKAN."");

   $strKerusakan = "<option value="">-- Kerusakan --
</option>";

   if (is_array($res)) foreach ($res as $item) {

      $sel = $kerusakan_id == $item->kerusakan_id ?
"selected" : "";

      $strKerusakan .= "<option value='$item-
>kerusakan_id' $sel>".$item-
>kerusakan_nama."</option>\n";

   }



   $con = array();

   $con_file = array("dsp.list.form0.php");

   foreach ($con_file as $item) {

      ob_start();

      include_once($item);

      $con[] = ob_get_contents();

      ob_end_clean();

   }



   $tabC = $Leaf->factory("TabContainer");

   $tabC->add('Pencarian', $con[0]);



   $Leaf->Toolbar->icon =
ICONPATH32."question_and_answer.png";

   if ($User->get("usergroupid") == 2 || $User-
>get("usergroupid") == 4 || $User->get("usergroupid") ==
5)

                        $Leaf->Toolbar-
>addButton("Tambah","?do=$Leaf-
>circuit.add","images/32/add.png","Tambah Gejala
Kerusakan Baru!");

   //$Leaf->Toolbar->addButton("Refresh","?do=$Leaf-
>circuit.$Leaf-
>fuseaction","images/32/refresh.png","Refresh!");

   //$Leaf->Toolbar-
>addButton("Excel","?".$_SERVER['QUERY_STRING'].
"&mode=excel","images/32/excel.png","Excel!");

   //$Leaf->Toolbar-
>addButton("Cetak","?".$_SERVER['QUERY_STRING']
."&mode=print","images/32/printer.png","Cetak halaman
ini!");
```

```
?>

<script language = "JavaScript" type = "text/javascript">

<!--

   function goDelete(loc,info) {

      var sure;

      sure = confirm("Anda yakin untuk menghapus '" +
info +"'?");

      if (sure) {

         location = loc;

      }

      else {

         return false;

      }

   }


// -->

</script>

<form name="theForm" method="get"
action="?do=<?=$Leaf->circuit?>.<?=$Leaf-
>fuseaction?>">

<input name="do" id="do" type="hidden"
value="<?=$Leaf->circuit?>.<?=$Leaf->fuseaction?>">

<table cellpadding='0' cellspacing='0' border='0'
width='100%'>

<tr><td><? $Leaf->Toolbar->display(); ?></td></tr>

<tr><td><? $tabC->display(); ?></td></tr>

<tr><td><? $g->display(); ?></td></tr>

</table>

</form>
```

File hasildiagnosa

Act.cgi.php

```
<?php


   extract($_POST);

   extract($_GET);


   switch ($action) {

      case "add" :

                        // USER

                        $user_id = $User->get("userid");


                        // KERUSAKAN

                        $res = $LeafDB->query("select *
from ".TBL_MENJAWAB." where menjawab_id =
'$menjawab_id'");

         $jawaban = $res[0]->jawaban;


         $result = $LeafDB->query("insert into
".TBL_DIAGNOSA."
(user_id,menjawab_id,tanggal,persentase,diagnosa) values
('$user_id','$menjawab_id','$tanggal','$persentase','$diagn
osa')");


         $msg = "Data Hasil Diagnosa '$jawaban' berhasil
ditambah!";

         break;

      case "edit" :

                        // KERUSAKAN
```

```
                        $res = $LeafDB->query("select *
from ".TBL_MENJAWAB." where menjawab_id =
'$menjawab_id'");

        $jawaban = $res[0]->jawaban;



        $result = $LeafDB->query("update
".TBL_DIAGNOSA." set menjawab_id='$menjawab_id',
tanggal='$tanggal', persentase='$persentase',
diagnosa='$diagnosa' where diagnosa_id =
'$diagnosa_id'");



        $msg = "Data Hasil Diagnosa '$jawaban' berhasil
diupdate!";

        break;

      case "delete" :



        $resDiag = $LeafDB->query("select * from
".TBL_DIAGNOSA." where diagnosa_id =
'$diagnosa_id'");

        // KERUSAKAN

                        $res = $LeafDB->query("select *
from ".TBL_MENJAWAB." where menjawab_id =
'".$resDiag[0]->menjawab_id."'");

        $jawaban = $res[0]->jawaban;



        $result = $LeafDB->query("delete from
".TBL_DIAGNOSA." where diagnosa_id =
'$diagnosa_id'");



        $msg = "Data Hasil Diagnosa '$jawaban' berhasil
dihapus!";

        break;

   }



   if ($result) {

      $Leaf->MessageAlert->setMessage($msg,TRUE);

      header ("Location: ?do=$Leaf->circuit.list");

      exit;

   }

?>



dsp.detil.php



<?php



   extract($_GET);



   if (isset($customer) || $customer != '') {

                        $wh .= " and user_id =
'".$customer."'";

   }



   if ($User->get("usergroupid") == 4) {

                $user_login = $User->get("userid");

                $sql = "select * from ".TBL_DIAGNOSA."
where user_id = '".$user_id."' and tanggal = '".$tanggal."'";

                $arr = array("No." => "width='3%'","<div
align='center'>Tanggal Diagnosa</div>" =>
"width='12%'","<div align='center'>Kerusakan</div>" =>
"width='25%'","<div align='center'>Definisi</div>" =>
"width='%%'","<div align='center'>Solusi</div>" =>
"width='25%'","<div align='center'>Pilihan</div>" =>
"width='7%'");

             } else {

             $sql = "select * from ".TBL_DIAGNOSA."
where user_id = '".$user_id."' and tanggal =
'".$tanggal."'$wh";

     $arr = array("No." => "width='3%'","<div
align='center'>Customer</div>" => "width='10%'","<div
align='center'>Tanggal Diagnosa</div>" =>
"width='12%'","<div align='center'>Kerusakan</div>" =>
"width='25%'","<div align='center'>Definisi</div>" =>
```

```
"width='%%'","<div align='center'>Solusi</div>" =>
"width='25%'","<div align='center'>Pilihan</div>" =>
"width='7%'");

                }


   $g =& $Leaf->factory("DBGridview","view",$sql);

   $g->setHeader($arr    // headers

            ,array(null,",")  // field menjawab_id

            ,"user_id,kerusakan_id"            // default sort
by

            ,"asc"          // default order by

   );


   $data = $g->getData();

   for ($j=$g->start; $j < $g->end; $j++) {

      // CUSTOMER

                        $resCustomer = $LeafDB-
>query("select * from ".TBL_USERS." where userid =
'".$data[$j]->user_id."'");

      // KERUSAKAN

                        $sql = "select * from
".TBL_KERUSAKAN." where kerusakan_id =
'".$data[$j]->kerusakan_id."'";

      $res = $LeafDB->query($sql);


      // TANGGAL

      $tgl = explode("-", $data[$j]->tanggal);

      $tanggal_diag = $tgl[2].'
'.$PRESET['bulan'][$tgl[1]].' '.$tgl[0];


                        $pilihan = '<div align="center"><a
href="?do='.$Leaf->circuit.'.view&user_id='.$data[$j]-
>user_id.'&tanggal='.$data[$j]-
>tanggal.'&kerusakan_id='.$data[$j]->kerusakan_id.'"
title="Lihat hasil konsultasi!"><image
src="images/16/note_new.png" border="0"></a></div>';


                        $nomor
                        = ($data[$j]->user_id == $data[$j-
1]->user_id) ? "" : ($j+1);

      $nama_customer          = $resCustomer[0]-
>name;//($data[$j]->user_id == $data[$j-1]->user_id) ? ""
: $resCustomer[0]->name;

      //$nama_customer          = ($data[$j]->user_id ==
$data[$j-1]->user_id) ? "" : $resCustomer[0]->name;


      if ($User->get("usergroupid") == 4)

                                    $arr =
array("<div align='right'>".($j+1).".</div>",

                                    $tanggal_diag,

                                    $res[0]-
>kerusakan_nama,

                                    $res[0]-
>kerusakan_definisi,

                                    $data[$j]->solusi,

                                    $pilihan);
                                    else

                                    $arr =
array("<div align='right'>".($j+1).".</div>",

                                    $nama_customer,

                                    $tanggal_diag,

                                    $res[0]-
>kerusakan_nama,
```

```
                                $res[0]-
>kerusakan_definisi,

                                $data[$j]->solusi,

                                $pilihan);

                                $g->addRow($arr);

    }


    // CUSTOMER

    $res = PearDB::query("select * from ".TBL_USERS."
where usergroupid = '4'");

    $strCustomer = "<option value="">-- Customer --
</option>";

    if (is_array($res)) foreach ($res as $item) {

        $sel = $customer == $item->userid ? "selected" : "";

        $strCustomer .= "<option value='$item->userid'
$sel>".$item->name."</option>\n";

    }


    $con = array();

    $con_file = array("dsp.list.form0.php");

    foreach ($con_file as $item) {

        ob_start();

        include_once($item);

        $con[] = ob_get_contents();

        ob_end_clean();

    }


    $tabC = $Leaf->factory("TabContainer");

    $tabC->add('Pencarian', $con[0]);


    $Leaf->Toolbar->icon =
ICONPATH32."note_pinned.png";

    $Leaf->Toolbar->addButton("Kembali","?do=$Leaf-
>circuit.list","images/32/undo.png","Kembali!");

    if ($User->get("usergroupid") != 4) {

            $Leaf->Toolbar-
>addButton("Refresh","?do=$Leaf->circuit.$Leaf-
>fuseaction&user_id=$user_id&tanggal=$tanggal","imag
es/32/refresh.png","Refresh!");

            $Leaf->Toolbar->title = "Hasil Diagnosa
Customer";

    } else

            $Leaf->Toolbar->title = "Hasil Diagnosa
".strtoupper($User->get("name"));

    //$Leaf->Toolbar->addButton("Preview","?do=$Leaf-
>circuit.view&user_id=$user_id&tanggal=$tanggal","ima
ges/32/document.png","Lihat Hasil Diagnosa!");

?>



<script language = "JavaScript" type = "text/javascript">

<!--

    function goDelete(loc,info) {

        var sure;

        sure = confirm("Anda yakin untuk menghapus '" +
info +"'?");

        if (sure) {

            location = loc;

        }

        else {

            return false;

        }

    }
```

```
// -->

</script>

<form name="theForm" method="get"
action="?do=<?=$Leaf->circuit?>.<?=$Leaf-
>fuseaction?>">

<input name="do" id="do" type="hidden"
value="<?=$Leaf->circuit?>.<?=$Leaf->fuseaction?>">

<input name="user_id" type="hidden"
value="<?=$user_id?>">

<input name="tanggal" type="hidden"
value="<?=$tanggal?>">

<table cellpadding='0' cellspacing='0' border='0'
width='100%'>

<tr><td><? $Leaf->Toolbar->display(); ?></td></tr>

<? if ($User->get("usergroupid") != 4) { ?>

<tr><td><? $tabC->display(); ?></td></tr>

<? } ?>

<tr><td><? $g->display(); ?></td></tr>

</table>

</form>
```

Dsp.list.php

```
<?php

                require("script/functions.php");


   extract($_GET);


   if (isset($customer) || $customer != '') {

                $wh .= " and user_id =
'".$customer."'";

   }


   if ($User->get("usergroupid") == 4) {

                $user_login = $User->get("userid");

                $sql = "select * from ".TBL_DIAGNOSA."
where user_id = '".$user_login."' group by tanggal";

                $arr = array("No." =>
"width='3%'","Tanggal" => "width='20%'","Jumlah hasil
diagnosa" => "width=%%'","<div
align='center'>Pilihan</div>" => "width='10%'");

            } else {

            $sql = "select * from ".TBL_DIAGNOSA."
where 1$wh group by user_id, tanggal";

     $arr = array("No." => "width='3%'","Customer" =>
"width='15%'","Tanggal" => "width='20%'","Jumlah hasil
diagnosa" => "width=%%'","<div
align='center'>Pilihan</div>" => "width='10%'");

            }


   $g =& $Leaf->factory("DBGridview","view",$sql);

   $g->setHeader($arr    // headers

            ,array(null,",")  // field menjawab_id

            ,"user_id"            // default sort by

            ,"asc"          // default order by

   );


   $data = $g->getData();

   for ($j=$g->start; $j < $g->end; $j++) {

      // CUSTOMER

                $resCustomer = $LeafDB-
>query("select * from ".TBL_USERS." where userid =
'".$data[$j]->user_id."'");


      // JUMLAH JAWABAN
```

```
                    $resJumlah = $LeafDB->query("select * from ".TBL_DIAGNOSA." where user_id = '".$data[$j]->user_id."' and tanggal = '".$data[$j]->tanggal."'");

    $jmlJawaban = count($resJumlah);


    // TANGGAL

    $tgl = explode("-", $data[$j]->tanggal);

    $tanggal = $tgl[2].' '.$PRESET['bulan'][$tgl[1]].' '.$tgl[0];


                    $keterangan = '<div align="center"><a href="?do='.$Leaf->circuit.'.detil&user_id='.$data[$j]->user_id.'&tanggal='.$data[$j]->tanggal.'" title="Lihat hasil konsultasi!"><image src="images/16/preferences.png" border="0"></a></div>';


                    if ($User->get("usergroupid") == 4)

                                    $arr = array("<div align='right'>".($j+1).".</div>",

                                    $tanggal,

                                    $jmlJawaban.' ('.terbilang($jmlJawaban).')',

                                    $keterangan);

                                    else

                                    $arr = array("<div align='right'>".($j+1).".</div>",

                                    $resCustomer[0]->name,

                                    $tanggal,

                                    $jmlJawaban.' ('.terbilang($jmlJawaban).')',

                                    $keterangan);


                                    $g->addRow($arr);

    }


    // CUSTOMER

    $res = PearDB::query("select * from ".TBL_USERS." where usergroupid = '4'");

    $strCustomer = "<option value="">-- Customer --</option>";

    if (is_array($res)) foreach ($res as $item) {

        $sel = $customer == $item->userid ? "selected" : "";

        $strCustomer .= "<option value='$item->userid' $sel>".$item->name."</option>\n";

    }


    $con = array();

    $con_file = array("dsp.list.form0.php");

    foreach ($con_file as $item) {

        ob_start();

        include_once($item);

        $con[] = ob_get_contents();

        ob_end_clean();

    }


    $tabC = $Leaf->factory("TabContainer");

    $tabC->add('Pencarian', $con[0]);


    $Leaf->Toolbar->icon = ICONPATH32."note_pinned.png";
```

```
   if ($User->get("usergroupid") != 4) {

            $Leaf->Toolbar-
>addButton("Refresh","?do=$Leaf->circuit.$Leaf-
>fuseaction","images/32/refresh.png","Refresh!");

            $Leaf->Toolbar->title = "Hasil Diagnosa
Customer";

   } else

            $Leaf->Toolbar->title = "Hasil Diagnosa
".strtoupper($User->get("name"));

   //if ($User->get("usergroupid") == 2 || $User-
>get("usergroupid") == 4 || $User->get("usergroupid") ==
5)

   //                $Leaf->Toolbar-
>addButton("Tambah","?do=$Leaf-
>circuit.add","images/32/add.png","Tambah Hasil
Diagnosa Baru!");

   //$Leaf->Toolbar->addButton("Refresh","?do=$Leaf-
>circuit.$Leaf-
>fuseaction","images/32/refresh.png","Refresh!");

   //$Leaf->Toolbar-
>addButton("Excel","?".$_SERVER['QUERY_STRING'].
"&mode=excel","images/32/excel.png","Excel!");

   //$Leaf->Toolbar-
>addButton("Cetak","?".$_SERVER['QUERY_STRING']
."&mode=print","images/32/printer.png","Cetak halaman
ini!");

?>


<script language = "JavaScript" type = "text/javascript">

<!--

   function goDelete(loc,info) {

      var sure;

      sure = confirm("Anda yakin untuk menghapus '" +
info +"'?");

      if (sure) {

         location = loc;

      }

      else {

         return false;

      }

   }


// -->

</script>

<form name="theForm" method="get"
action="?do=<?=$Leaf->circuit?>.<?=$Leaf-
>fuseaction?>">

<input name="do" id="do" type="hidden"
value="<?=$Leaf->circuit?>.<?=$Leaf->fuseaction?>">

<table cellpadding='0' cellspacing='0' border='0'
width='100%'>

<tr><td><? $Leaf->Toolbar->display(); ?></td></tr>

<? if ($User->get("usergroupid") != 4) { ?>

<tr><td><? $tabC->display(); ?></td></tr>

<? } ?>

<tr><td><? $g->display(); ?></td></tr>

</table>

</form>


Field konsultasi


Act.cgi.php


<?php


   extract($_POST);

   extract($_GET);
```

```
switch ($action) {

    case "add" :

                    // PERTANYAAN PERTAMA DI TABEL GEJALA KERUSAKAN

                                $res = $LeafDB->query("select min(nomor) as firstnumber from ".TBL_GEJALARUSAK." where kerusakan_id = '".$kerusakan_id."'");

                        $firstNumber = $res[0]->firstnumber;



                    $result = 1;

                    if ($result) {

                                $Leaf->MessageAlert->setMessage($msg,TRUE);

                                header ("Location: ?do=$Leaf->circuit.add2&kerusakan_id=$kerusakan_id&nomor=$firstNumber");

                                exit;

                            }

                    break;

    case "add2" :

                        // USER


            $user_id = $User->get("userid");

                    // TANGGAL

                    $datenow = date("Y-m-d");

                    // NOMOR SELANJUTNYA

                    $nextnumber = $nomor+1;



                    // KERUSAKAN

                    $resKerusakan = $LeafDB->query("select * from ".TBL_KERUSAKAN." where kerusakan_id = '".$kerusakan_id."'");

                            $kerusakan_nama = $resKerusakan[0]->kerusakan_nama;



        // JAWABAN DARI PERTANYAAN KONSULTASI

        if ($jawaban == 1) {

                                $result = $LeafDB->query("insert into ".TBL_MENJAWAB." (user_id,kerusakan_id,gejala_id,jawaban,tanggal_jawab) values ('$user_id','$kerusakan_id','$gejala_id','$jawaban','$datenow')");


            } else {

                        $result = 1;


            }



        $resSolusi = $LeafDB->query("select count(kerusakan_id) as jmlPertanyaan from ".TBL_GEJALARUSAK." where kerusakan_id = '".$kerusakan_id."' and nomor = '".$nextnumber."'");

                            if ($resSolusi[0]->jmlPertanyaan == 0 || $resSolusi[0]->jmlPertanyaan == '') {

                                //
SOLUSI JAWABAN


            $que = "select * from ".TBL_MENJAWAB." where kerusakan_id = '".$kerusakan_id."' and user_id = '".$user_id."'";


$resSolusi = $LeafDB->query($que);
```

```
                                        if
($resSolusi) {

                $solusi_jawaban = '';

                if (is_array($resSolusi)) foreach
($resSolusi as $item) {

                        $res = $LeafDB->query("select
jawab_ya from ".TBL_GEJALARUSAK." where
kerusakan_id = '".$item->kerusakan_id."' and gejala_id =
'".$item->gejala_id."'");

                        $solusi_jawaban .=
($solusi_jawaban=="" ? "" : ", ").$res[0]->jawab_ya;

                }


            $result = $LeafDB->query("insert into
".TBL_DIAGNOSA."
(user_id,kerusakan_id,tanggal,persentase,solusi) values
('$user_id','$kerusakan_id','$datenow','$persentase','$solus
i_jawaban')");



                                $msg = "Pertanyaan
yang disediakan sudah habis! Silahkan konsultasikan
kerusakan lainnya!";

                } else {

                $result = 1;


            $msg = "Tidak ada solusi untuk keluhan Anda.
Silahkan konsultasikan langsung ke dealer terdekat!";

                }

                                        if
($result) {

                                        $Leaf-
>MessageAlert->setMessage($msg,TRUE);

                                        header ("Location:
?do=$Leaf->circuit.list");

                                        exit;

                                }

                                        } else {

                                $answer = $jawaban==1
? "Ya" : "Tidak";

                        $msg = "Anda menjawab
'$answer'! Silahkan jawab untuk pertanyaan selanjutnya!";

                if ($result) {

                                        $Leaf-
>MessageAlert->setMessage($msg,TRUE);

                                        header ("Location:
?do=$Leaf-
>circuit.add2&kerusakan_id=$kerusakan_id&nomor=$ne
xtnumber");

                                        exit;

                                }

        }


    break;


case "edit" :

                // GEJALA KERUSAKAN

        $resKerusakan = $LeafDB->query("select *
```

```
from ".TBL_KERUSAKAN." where kerusakan_id =
'".$kerusakan_id."'");

                        $kerusakan_nama =
$resKerusakan[0]->kerusakan_nama;

        // GEJALA KERUSAKAN

                                    $resGejala =
$LeafDB->query("select * from ".TBL_GEJALA." where
gejala_id = '".$gejala_id."'");

                        $gejala_nama = $resGejala[0]-
>gejala_nama;



        $result = $LeafDB->query("update
".TBL_GEJALARUSAK." set gejala_id='$gejala_id',
kerusakan_id='$kerusakan_id', solusi='$solusi' where
gejala_kerusakan_id = '$gejala_kerusakan_id'");



        $msg = "Data Konsultasi dengan Kerusakan
'$kerusakan_nama' dan Gejala '$gejala_nama' berhasil
diupdate!";

        break;

      case "delete" :



        $resDiag = $LeafDB->query("select * from
".TBL_GEJALARUSAK." where gejala_kerusakan_id =
'$gejala_kerusakan_id'");

        // GEJALA KERUSAKAN


            $resKerusakan = $LeafDB->query("select *
from ".TBL_KERUSAKAN." where kerusakan_id =
'".$resDiag[0]->kerusakan_id."'");

                        $kerusakan_nama =
$resKerusakan[0]->kerusakan_nama;

        // GEJALA KERUSAKAN

                                    $resGejala =
$LeafDB->query("select * from ".TBL_GEJALA." where
gejala_id = '".$resDiag[0]->gejala_id."'");

                        $gejala_nama = $resGejala[0]-
>gejala_nama;

        $result = $LeafDB->query("delete from
".TBL_GEJALARUSAK." where gejala_kerusakan_id =
'$gejala_kerusakan_id'");



        $msg = "Data Konsultasi dengan Kerusakan
'$kerusakan_nama' dan Gejala '$gejala_nama' berhasil
dihapus!";

        break;

    }


    if ($result) {

        $Leaf->MessageAlert->setMessage($msg,TRUE);

        header ("Location: ?do=$Leaf->circuit.list");

        exit;

    }

?>


Dsp.alter.php


<?php


    extract($_GET);



    switch ($Leaf->fuseaction) {

        case "edit":

        if ((isset($kerusakan_id) && ($kerusakan_id != 0))
&& (isset($gejala_id) && ($gejala_id != 0))) {

            $result = $LeafDB->query("select * from
".TBL_GEJALARUSAK." where kerusakan_id =
$kerusakan_id and gejala_id =
$gejala_id",array("fetchMode" =>
DB_FETCHMODE_ASSOC));
```

```
            if (is_array($result)) {
                extract ($result[0]);
            }
        }
        break;

    case "add" :

        break;
}

// GEJALA
$res = PearDB::query("select * from ".TBL_GEJALA."");
$strGejala = "<option value="">-- Gejala --</option>";
if (is_array($res)) foreach ($res as $item) {
    $sel = $gejala_id == $item->gejala_id ? "selected" : "";
    $strGejala .= "<option value='$item->gejala_id' $sel>".$item->gejala_nama."</option>\n";
}

// KERUSAKAN
$res = PearDB::query("select * from ".TBL_KERUSAKAN."");
$strKerusakan = "<option value="">-- Kerusakan --</option>";
if (is_array($res)) foreach ($res as $item) {
    $sel = $kerusakan_id == $item->kerusakan_id ? "selected" : "";
    $strKerusakan .= "<option value='$item->kerusakan_id' $sel>".$item->kerusakan_nama."</option>\n";
}

$con = array();
$con_file = array("dsp.alter.form0.php");
foreach ($con_file as $item) {
    ob_start();
    include_once($item);
    $con[] = ob_get_contents();
    ob_end_clean();
}

$tabC = $Leaf->factory("TabContainer");
$tabC->add('Form Data', $con[0]);

//$tabC->addTabPane($tab0);

$Leaf->Toolbar->icon = ICONPATH32."question_and_answer.png";
$Leaf->Toolbar->title = "Konsultasi";
$Leaf->Toolbar->addButton("Next","javascript:validation()","images/32/navigate_right2.png","Lanjutkan!");
//$Leaf->Toolbar->addButton("Batal","javascript:window.history.go(-1)","images/32/cancel.png","Batal!");

$Leaf->Toolbar->display();

?>

<script language = "JavaScript" type = "text/javascript">

<!--

            function validation() {
```

```
                                                    if
(document.getElementById('kerusakan_id').value == '') {

          window.alert('Kerusakan belum dipilih!');

      } else {

                        document.theForm.submit();

      }

            }



// -->

</script>

<form name="theForm" method="post"
action="?do=<?=$Leaf->circuit?>.cgi">

<input name="kerusakan_id" type="hidden"
value="<?=$kerusakan_id?>">

<input name="action" type="hidden" value="<?=$Leaf-
>fuseaction?>">

<? $tabC->display();?>

</form>
```

Dsp.detail.php

```
<?php


   extract($_GET);


   if (isset($customer) || $customer != '') {

                        $wh .= " and user_id =
'".$customer."'";

   }


   if ($User->get("usergroupid") == 4) {

                $user_login = $User->get("userid");

                $sql = "select * from ".TBL_MENJAWAB."
where user_id = '".$user_id."' and tanggal_jawab =
'".$tanggal_jawab."'";

                $arr = array("No." =>
"width='3%'","Kerusakan" => "width='25%'","Gejala" =>
"width='%%'","Jawaban" => "width='7%'","<div
align='center'>Keterangan</div>" => "width='15%'");

            } else {

            $sql = "select * from ".TBL_MENJAWAB."
where user_id = '".$user_id."' and tanggal_jawab =
'".$tanggal_jawab."'$wh";

     $arr = array("No." => "width='3%'","Customer" =>
"width='15%'","Kerusakan" => "width='25%'","Gejala"
=> "width='%%'","Jawaban" => "width='7%'","<div
align='center'>Keterangan</div>" => "width='15%'");

            }


   $g =& $Leaf->factory("DBGridview","view",$sql);

   $g->setHeader($arr    // headers

         ,array(null,',','s')  // field kerusakan_id

         ,"user_id,gejala_id"          // default sort by
          gejala_kerusakan_id

         ,"asc"          // default order by

   );


   $data = $g->getData();

   for ($j=$g->start; $j < $g->end; $j++) {

      // CUSTOMER

                  $resCustomer = $LeafDB-
>query("select * from ".TBL_USERS." where userid =
'".$data[$j]->user_id."'");

      // GEJALA KERUSAKAN

                  $res = $LeafDB->query("select *
from ".TBL_GEJALARUSAK." where kerusakan_id =
'".$data[$j]->kerusakan_id."' and gejala_id = '".$data[$j]-
>gejala_id."'");
```

```
	// KERUSAKAN

				$resKerusakan = $LeafDB->query("select * from ".TBL_KERUSAKAN." where kerusakan_id = '".$data[$j]->kerusakan_id."'");

	// GEJALA

				$resGejala = $LeafDB->query("select * from ".TBL_GEJALA." where gejala_id = '".$data[$j]->gejala_id."'");



	$jawaban		= $data[$j]->jawaban==1 ? "Ya" : "Tidak";

	$keterangan = $data[$j]->jawaban==1 ? $res[0]->jawab_ya : $res[0]->jawab_tidak;


	// TANGGAL

	$tgl = explode("-", $data[$j]->tanggal);

	$tanggal = $tgl[2].' '.$PRESET['bulan'][$tgl[1]].' '.$tgl[0];


				$nomor = $j+1;//($data[$j]->user_id == $data[$j-1]->user_id) ? "" : ($j+1);

	$nama_customer		= $resCustomer[0]->name;//($data[$j]->user_id == $data[$j-1]->user_id) ? "" : $resCustomer[0]->name;

	$nama_kerusakan = $resKerusakan[0]->kerusakan_nama;//($data[$j]->kerusakan_id == $data[$j-1]->kerusakan_id) ? "" : $resKerusakan[0]->kerusakan_nama;


	if ($User->get("usergroupid") == 4)

				$arr = array("<div align='right'>".($nomor).".</div>",


				$resKerusakan[0]->kerusakan_nama,

				$resGejala[0]->gejala_nama,

				$jawaban,

				$keterangan);
		else

				$arr = array("<div align='right'>".($nomor).".</div>",

				$nama_customer,

				$nama_kerusakan,

				$resGejala[0]->gejala_nama,

				$jawaban,

				$keterangan);


		$g->addRow($arr);

	}


	// CUSTOMER

	$res = PearDB::query("select * from ".TBL_USERS." where usergroupid = '4'");

	$strCustomer = "<option value=''>-- Customer --</option>";

	if (is_array($res)) foreach ($res as $item) {

		$sel = $customer == $item->userid ? "selected" : "";

		$strCustomer .= "<option value='$item->userid' $sel>".$item->name."</option>\n";

	}
```

```
   $con = array();

   $con_file = array("dsp.detil.form0.php");

   foreach ($con_file as $item) {

      ob_start();

      include_once($item);

      $con[] = ob_get_contents();

      ob_end_clean();

   }

      $tabC = $Leaf->factory("TabContainer");

   $tabC->add('Pencarian', $con[0]);

      $Leaf->Toolbar->icon =
ICONPATH32."documents_preferences.png";

   $Leaf->Toolbar->addButton("Kembali","?do=$Leaf-
>circuit.list","images/32/undo.png","Kembali!");

   if ($User->get("usergroupid") != 4) {

            $Leaf->Toolbar-
>addButton("Refresh","?do=$Leaf->circuit.$Leaf-
>fuseaction&user_id=$user_id&tanggal_jawab=$tanggal_
jawab","images/32/refresh.png","Refresh!");

            $Leaf->Toolbar->title = "Hasil Jawaban
Customer";

   } else

            $Leaf->Toolbar->title = "Hasil Jawaban
".strtoupper($User->get("name"));



   //$Leaf->Toolbar-
>addButton("Excel","?".$_SERVER['QUERY_STRING'].
"&mode=excel","images/32/excel.png","Excel!");

   //$Leaf->Toolbar-
>addButton("Cetak","?".$_SERVER['QUERY_STRING']
."&mode=print","images/32/printer.png","Cetak halaman
ini!");

?>



<script language = "JavaScript" type = "text/javascript">

<!--

   function goDelete(loc,info) {

      var sure;

      sure = confirm("Anda yakin untuk menghapus '" +
info +"'?");

      if (sure) {

         location = loc;

      }

      else {

         return false;      }

   }

   // -->

</script>

<form name="theForm" method="get"
action="?do=<?=$Leaf->circuit?>.<?=$Leaf-
>fuseaction?>">

<input name="do" id="do" type="hidden"
value="<?=$Leaf->circuit?>.<?=$Leaf->fuseaction?>">

<input name="user_id" type="hidden"
value="<?=$user_id?>">

<input name="tanggal_jawab" type="hidden"
value="<?=$tanggal_jawab?>">

<table cellpadding='0' cellspacing='0' border='0'
width='100%'>

<tr><td><? $Leaf->Toolbar->display(); ?></td></tr>

<? if ($User->get("usergroupid") != 4) { ?>

<tr><td><? $tabC->display(); ?></td></tr>

<? } ?>

<tr><td><? $g->display(); ?></td></tr>

</table>

</form>
```

LAMPIRAN C

KUESIONER

KUESIONER

Nama : Asep. Sopyan

Petunjuk : Kuesioner ini dibuat untuk mengetahui pendapat responden terhadap pembangunan Aplikasi Sistem Pakar Untuk Membantu Menyelesaikan Masalah Kerusakan Dan Perawatan Sepeda Motor Berbasis Web. Responden dapat memilih jawaban dengan melingkari salah satu pilihan.

1. Perangkat Lunak yang dibangun mudah digunakan ?
   a. Sangat Setuju
   (b) Setuju
   c. Cukup Setuju
   d. Biasa-biasa saja
   e. Kurang Setuju
   f. Tidak Setuju
   g. Tidak Sangat Setuju
2. Perangkat Lunak yang dibangun mudah dipelajari ?
   a. Sangat Mudah Dipelajari
   b. Mudah Dipelajari
   (c) Cukup Mudah Dipelajari
   d. Biasa-biasa Saja
   e. Kurang Mudah Dipelajari

f. Tidak Mudah Dipelajari

g. Sangat Tidak Mudah Dipelajari

3. Apakah tampilan aplikasi yang dibangun Menarik ?

(a.) Sangat Menarik

b. Menarik

c. Cukup Menarik

d. Biasa-biasa Saja

e. Kurang Menarik

f. Tidak Menarik

g. Sangat Tidak Menarik

4. Apakah aplikasi ini dapat membantu dalam menyelesaikan kerusakan pada sepeda motor ?

(a.) Sangat Setuju

b. Setuju

c. Cukup Setuju

d. Biasa-biasa Saja

e. Kurang Setuju

f. Tidak Setuju

g. Sangat Tidak Setuju

5. Apakah pada aplikasi ini, gejala dan kerusakan sesuai dengan kenyataan?

a. Sangat Setuju

b. Setuju

c. Cukup Setuju

(d) Biasa-biasa Saja

e. Kurang Setuju

f. Tidak Setuju

g. Sangat Tidak Setuju

6. Apakah solusi yang diberikan sesuai dengan kebutuhan?

a. Sangat Setuju

b. Setuju

(c) Cukup Setuju

d. Biasa-biasa Saja

e. Kurang Setuju

f. Tidak Setuju

g. Sangat Tidak Setuju

Saran Dan Kritik

. Tolong Gejala dan Kausa kan dilengkapi, Dan tampilan Gambar diperjelas.

Tanda Tangan Responden

(Asep-Sopyan)

KUESIONER

Nama : Andri Hardiansyah

Petunjuk : Kuesioner ini dibuat untuk mengetahui pendapat responden terhadap pembangunan Aplikasi Sistem Pakar Untuk Membantu Menyelesaikan Masalah Kerusakan Dan Perawatan Sepeda Motor Berbasis Web. Responden dapat memilih jawaban dengan melingkari salah satu pilihan.

1. Perangkat Lunak yang dibangun mudah digunakan ?
   a. Sangat Setuju
   (b) Setuju
   c. Cukup Setuju
   d. Biasa-biasa saja
   e. Kurang Setuju
   f. Tidak Setuju
   g. Tidak Sangat Setuju
2. Perangkat Lunak yang dibangun mudah dipelajari ?
   a. Sangat Mudah Dipelajari
   (b) Mudah Dipelajari
   c. Cukup Mudah Dipelajari
   d. Biasa-biasa Saja
   e. Kurang Mudah Dipelajari

f. Tidak Mudah Dipelajari

g. Sangat Tidak Mudah Dipelajari

3. Apakah tampilan aplikasi yang dibangun Menarik ?

(a.) Sangat Menarik

b. Menarik

c. Cukup Menarik

d. Biasa-biasa Saja

e. Kurang Menarik

f. Tidak Menarik

g. Sangat Tidak Menarik

4. Apakah aplikasi ini dapat membantu dalam menyelesaikan kerusakan pada sepeda motor ?

(a.) Sangat Setuju

b. Setuju

c. Cukup Setuju

d. Biasa-biasa Saja

e. Kurang Setuju

f. Tidak Setuju

g. Sangat Tidak Setuju

5. Apakah pada aplikasi ini, gejala dan kerusakan sesuai dengan kenyataan?

a. Sangat Setuju

b. Setuju

c. Cukup Setuju

d. Biasa-biasa Saja

e. Kurang Setuju

f. Tidak Setuju

g. Sangat Tidak Setuju

6. Apakah solusi yang diberikan sesuai dengan kebutuhan?

a. Sangat Setuju

b. Setuju

c. Cukup Setuju

d. Biasa-biasa Saja

e. Kurang Setuju

f. Tidak Setuju

g. Sangat Tidak Setuju

Saran Dan Kritik

: Tolong dikembangkan lagi dengan menambahkan video tutorial

Tanda Tangan Responden

(Andri)

KUESIONER

Nama : TISNO ISWANTOVO

Petunjuk : Kuesioner ini dibuat untuk mengetahui pendapat responden terhadap pembangunan Aplikasi Sistem Pakar Untuk Membantu Menyelesaikan Masalah Kerusakan Dan Perawatan Sepeda Motor Berbasis Web. Responden dapat memilih jawaban dengan melingkari, menchek list, atau menyilang salah satu pilihan.

1. Apakah aplikasi yang dibangun mudah digunakan ?
   a. Sangat Setuju
   (b) Setuju
   c. Cukup Setuju
   d. Biasa-biasa saja
   e. Kurang Setuju
   f. Tidak Setuju
   g. Tidak Sangat Setuju
2. Apakah aplikasi yang dibangun mudah dipelajari ?
   a. Sangat Mudah Dipelajari
   (b) Mudah Dipelajari
   c. Cukup Mudah Dipelajari
   d. Biasa-biasa Saja
   e. Kurang Mudah Dipelajari

f. Tidak Mudah Dipelajari

g. Sangat Tidak Mudah Dipelajari

3. Apakah tampilan aplikasi yang dibangun Menarik ?

(a.) Sangat Menarik

b. Menarik

c. Cukup Menarik

d. Biasa-biasa Saja

e. Kurang Menarik

f. Tidak Menarik

g. Sangat Tidak Menarik

4. Apakah aplikasi ini dapat membantu dalam menyelesaikan kerusakan pada sepeda motor ?

(a.) Sangat Setuju

b. Setuju

c. Cukup Setuju

d. Biasa-biasa Saja

e. Kurang Setuju

f. Tidak Setuju

g. Sangat Tidak Setuju

5. Apakah pada aplikasi ini, gejala dan kerusakan sesuai dengan kenyataan?

a. Sangat Setuju

b. Setuju

c. Cukup Setuju

d. Biasa-biasa Saja

e. Kurang Setuju

f. Tidak Setuju

g. Sangat Tidak Setuju

6. Apakah solusi yang diberikan sesuai dengan kebutuhan?

a. Sangat Setuju

b. Setuju

c. Cukup Setuju

d. Biasa-biasa Saja

e. Kurang Setuju

f. Tidak Setuju

g. Sangat Tidak Setuju

Saran Dan Kritik

semoga Aplikasi ini bermanfaat, lebih menambahkan gejala dan kemungkinan

Tanda Tangan Responden

(Tisno Iswantoro)

KUESIONER

Nama : Wawan S.

Petunjuk : Kucsioncr ini dibuat untuk mengetahui pendapat responden terhadap pembangunan Aplikasi Sistem Pakar Untuk Membantu Menyelesaikan Masalah Kerusakan Dan Perawatan Sepeda Motor Berbasis Web. Responden dapat memilih jawaban dengan melingkari salah satu pilihan.

1. Perangkat Lunak yang dibangun mudah digunakan ?
   a. Sangat Setuju
   b. Setuju
   c. Cukup Setuju
   d. Biasa-biasa saja
   e. Kurang Setuju
   f. Tidak Setuju
   g. Tidak Sangat Setuju
2. Perangkat Lunak yang dibangun mudah dipelajari ?
   a. Sangat Mudah Dipelajari
   b. Mudah Dipelajari
   c. Cukup Mudah Dipelajari
   d. Biasa-biasa Saja
   e. Kurang Mudah Dipelajari

f. Tidak Mudah Dipelajari

g. Sangat Tidak Mudah Dipelajari

3. Apakah tampilan aplikasi yang dibangun Menarik ?

(a.) Sangat Menarik

b. Menarik

c. Cukup Menarik

d. Biasa-biasa Saja

e. Kurang Menarik

f. Tidak Menarik

g. Sangat Tidak Menarik

4. Apakah aplikasi ini dapat membantu dalam menyelesaikan kerusakan pada sepeda motor ?

(a.) Sangat Setuju

b. Setuju

c. Cukup Setuju

d. Biasa-biasa Saja

e. Kurang Setuju

f. Tidak Setuju

g. Sangat Tidak Setuju

5. Apakah pada aplikasi ini, gejala dan kerusakan sesuai dengan kenyataan?

a. Sangat Setuju

b. Setuju

c. Cukup Setuju

d. Biasa-biasa Saja

e. Kurang Setuju

f. Tidak Setuju

g. Sangat Tidak Setuju

6. Apakah solusi yang diberikan sesuai dengan kebutuhan?

a. Sangat Setuju

(b.) Setuju

c. Cukup Setuju

d. Biasa-biasa Saja

e. Kurang Setuju

f. Tidak Setuju

g. Sangat Tidak Setuju

Saran Dan Kritik

:.....

.....

.....

Tanda Tangan Responden

(Wawan.S,)