

LAMPIRAN

Index.php

```

<?php

include 'functions.php';

?>

<!DOCTYPE html>

<html lang="en">

<head>

  <!-- Required meta tags -->

  <meta charset="utf-8">

  <meta name="viewport"
content="width=device-width, initial-
scale=1">

  <!-- Bootstrap CSS -->

  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@
4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvT
Nh0E263XmFcJISAwIGgFAW/dAiS6JXm"
crossorigin="anonymous">

  <!-- Bootstrap CSS -->

  <link rel="stylesheet"
href="bootstrap/css/bootstrap.min.css">

  <link rel="icon" href="logo.png" />

  <title>Pakar Ayam</title>

  <style>

    .bg-toska {

      background-color: rgba(1, 43, 41, 0.911);

    }

  </style>

</head>

```

```

<body>

<nav class="navbar navbar-expand-lg
navbar-dark bg-toska">

  <div class="container-
fluid">

    

    <a class="navbar-
brand" href="#"><strong> Pakar Ayam
</strong> </a>

    <button
class="navbar-toggler" type="button" data-
bs-toggle="collapse" data-bs-
target="#navbarNav" aria-
controls="navbarNav" aria-expanded="false"
aria-label="Toggle navigation">

    <span
class="navbar-toggler-icon"></span>

    </button>

    <div
class="collapse navbar-collapse"
id="navbarNav">

      <ul
class="navbar-nav">

        <?php if ($_SESSION['login']) : ?>

          <li><a
href="?m=penyakit" class="nav-link active">
Penyakit</a></li>

          <li><a href="?m=gejala" class="nav-
link active"> Gejala</a></li>

          <li><a href="?m=relasi" class="nav-
link active"> Relasi</a></li>

          <li><a href="?m=riwayat" class="nav-
link active"> Riwayat</a></li>

          <li><a
href="?m=password" class="nav-link active">
Password</a></li>

          <li><a
href="aksi.php?act=logout" class="btn btn-
danger" type="button"> Logout</a></li>

        <?php else : ?>

          <li><a href="?m=hitung" class="nav-
link active"><span class="glyphicon
glyphicon-stats"></span> Diagnosa </a></li>

```

```

        <li><a href="?m=login" class="btn btn-
danger" type="button">Login</a></li>

    <?php endif ?>

</ul>

</div>

</div>

</nav>

<div class="container">

    <?php

    if (file_exists($mod . '.php')){

        include $mod . '.php';

    }elseif ($_SESSION['login']) {

        include 'home_admin.php';

    }

    else {

        include 'home.php';

    }

    ?>

</div>

<footer>

</footer>

<!-- Optional JavaScript; choose one of the
two! -->

<script src="https://code.jquery.com/jquery-
3.2.1.slim.min.js" integrity="sha384-
KJ3o2DKtlkvYIK3UENzmM7KCKRr/rE9/Qpg
6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>

<script
src="https://cdn.jsdelivr.net/npm/popper.js@
1.12.9/dist/umd/popper.min.js"
integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQ
sAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>

<script
src="https://cdn.jsdelivr.net/npm/bootstrap@
4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQ
xSfFWpi1MquVdAyjUar5+76PVCmYI"
crossorigin="anonymous"></script>

```

```

<!-- Option 1: Bootstrap Bundle with Popper

<script
src="https://cdn.jsdelivr.net/npm/bootstrap@
5.1.1/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
/bQdsTh/da6pk11MST/rWKFNjaCP5gBSY4s
EBT38Q/9RBh9AH40zEOg7Hlq2THRZ"
crossorigin="anonymous"></script>

-->

<!-- Option 2: Separate Popper and
Bootstrap JS -->

<!--

<script
src="https://cdn.jsdelivr.net/npm/@popperjs/c
ore@2.9.3/dist/umd/popper.min.js"
integrity="sha384-
W8fXfP3gkOKtndU4JGtKdVxbO53Wy8SZC
QHczT5FMiiqmQfUpWbYdTil/SxwZgAN"
crossorigin="anonymous"></script>

<script
src="https://cdn.jsdelivr.net/npm/bootstrap@
5.1.1/dist/js/bootstrap.min.js"
integrity="sha384-
skAcpldS7UcVUC05LJ9Dxay8AXcDYfBJqt1
CJ85S/CFujBslzClv+I9liuYLaMQ/"
crossorigin="anonymous"></script>

-->

</body>

</html>

```

gejala.php

```

<div class="page-header">

    <h1>_____</h1>

    <h1>Data Gejala</h1>

</div>

<div class="panel panel-default">

    <div class="panel-heading">

        </div>

        <div class="form-group">

            <a class="btn btn-danger"
href="?m=gejala_tambah"> Tambah Data
+</a>

        </div>

```

```

        </form>
    </div>

    <table class="table table-sm">
        <thead>
            <tr>
                <th>Kode</th>
                <th>Nama Gejala</th>
                <th>Bobot</th>
                <th>Opsi</th>
            </tr>
        </thead>
        <?php
            $q = esc_field($_GET['q']);

            $rows = $db->get_results("SELECT *
            FROM tb_gejala

            WHERE kode_gejala LIKE '%" . $q . "%' OR
            nama_gejala LIKE '%" . $q . "%'

            ORDER BY kode_gejala");

            $no = 0;

            foreach ($rows as $row) : ?>
                <tr>
                    <td><?=$row->kode_gejala
                    ?></td>

                    <td><?=$row->nama_gejala
                    ?></td>

                    <td><?=$row->bobot ?></td>

                    <td class="nw">

                        <a class="btn btn-xs btn-
                        warning" href="?m=gejala_ubah&ID=<?=$
                        row->kode_gejala ?>">Edit</a>

                        <a class="btn btn-xs btn-danger"
                        href="aksi.php?act=gejala_hapus&ID=<?=$
                        row->kode_gejala ?>" onclick="return
                        confirm('Hapus data?')">Hapus</a>

                    </td>
                </tr>
            <?php endforeach;
        ?>
    </table>

```

```

    </div>

```

gejala_tambah.php

```

<div class="page-header">
    <h1>_____</h1>
    <h1>Tambah Gejala</h1>
</div>

<div class="row">
    <div class="col-sm-6">
        <?php if ($_POST) include 'aksi.php' ?>

        <form method="post">
            <div class="form-group">
                <label>Kode Gejala</label>

                <input class="form-control"
                type="text" name="kode" value="<?=$
                _POST['kode'] ?>" />
            </div>

            <div class="form-group">
                <label>Nama Gejala </label>

                <input class="form-control"
                type="text" name="nama" value="<?=$
                _POST['nama'] ?>" />
            </div>

            <div class="form-group">
                <label>Bobot </label>

                <input class="form-control"
                type="text" name="bobot" value="<?=$
                _POST['bobot'] ?>" />
            </div>

            <div class="form-group">
                <button class="btn btn-
                success"><span class="glyphicon glyphicon-
                save"></span> Simpan</button>

                <a class="btn btn-danger"
                href="?m=gejala"><span class="glyphicon
                glyphicon-arrow-left"></span> Kembali</a>
            </div>
        </form>
    </div>

```

```
</div>
```

gejala_ubah.php

```
<?php
```

```
$row = $db->get_row("SELECT * FROM  
tb_gejala WHERE  
kode_gejala='$_GET[ID]'");
```

```
?>
```

```
<div class="page-header">
```

```
<h1>_____</h1>
```

```
<h1>Ubah Gejala</h1>
```

```
</div>
```

```
<div class="row">
```

```
<div class="col-sm-6">
```

```
<?php if ($_POST) include 'aksi.php' ?>
```

```
<form method="post">
```

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

```
<label>Kode Gejala</label>
```

```
<input class="form-control"  
type="text" name="kode"  
readonly="readonly" value="<?= $row-  
>kode_gejala ?>" />
```

```
</div>
```

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

```
<label>Nama Gejala</label>
```

```
<input class="form-control"  
type="text" name="nama" value="<?= $row-  
>nama_gejala ?>" />
```

```
</div>
```

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

```
<label>Bobot</label>
```

```
<input class="form-control"  
type="text" name="bobot" value="<?= $row-  
>bobot ?>" />
```

```
</div>
```

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

```
<button class="btn btn-  
success"><span class="glyphicon glyphicon-  
save"></span> Simpan</button>
```

```
<a class="btn btn-danger"  
href="?m=gejala"><span class="glyphicon  
glyphicon-arrow-left"></span> Kembali</a>
```

```
</div>
```

```
</form>
```

```
</div>
```

```
</div>
```

penyakit.php

```
<div class="page-header">
```

```
<h1>_____</h1>
```

```
<h1>Data Penyakit</h1>
```

```
</div>
```

```
<div class="panel panel-default">
```

```
<div class="panel-heading">
```

```
<form class="form-inline">
```

```
<input type="hidden" name="m"  
value="penyakit" />
```

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

```
<a class="btn btn-danger"  
href="?m=penyakit_tambah">Tambah Data  
</a>
```

```
</div>
```

```
</form>
```

```
</div>
```

```
<div class="table-responsive">
```

```
<table class="table table-sm">
```

```
<thead>
```

```
<tr class="nw">
```

```
<th>No</th>
```

```
<th>Kode Penyakit</th>
```

```
<th>Nama Penyakit</th>
```

```
<th>Solusi</th>
```

```
<th>Penyakit</th>
```

```
<th>Opsis</th>
```

```
</tr>
```

```

</thead>

<?php
    $q = esc_field($_GET['q']);

    $rows = $db->get_results("SELECT *
FROM tb_penyakit

    WHERE kode_penyakit LIKE '%$q%' OR
nama_penyakit LIKE '%$q%' OR solusi LIKE
'%$q%' OR penyakit LIKE '%$q%'

    ORDER BY kode_penyakit");

    $no = 1;

    foreach ($rows as $row) : ?>
        <tr>
            <td><?= $no++ ?></td>
            <td><?= $row->kode_penyakit
?></td>
            <td><?= $row->nama_penyakit
?></td>
            <td><?= nl2br($row->solusi)
?></td>
            <td><?= nl2br($row->penyakit)
?></td>
            <td class="nw">
                <a class="btn btn-xs btn-
warning" href="?m=penyakit_edit&ID=<?=
$row->kode_penyakit ?>">Edit</a>

                <a class="btn btn-xs btn-
danger"
href="aksi.php?act=penyakit_hapus&ID=<?=
$row->kode_penyakit ?>">Hapus</a>

            </td>
        </tr>
    <?php endforeach ?>
</table>
</div>

```

penyakit_edit.php

```

<?php

$row = $db->get_row("SELECT * FROM
tb_penyakit WHERE
kode_penyakit=$_GET[ID]");

```

```

?>

<div class="page-header">
    <h1>_____</h1>
    <h1>Ubah Penyakit</h1>
</div>
<div class="row">
    <div class="col-sm-6">
        <?php if ($_POST) include 'aksi.php' ?>
        <form method="post" >
            <div class="mb-4">
                <label>Kode Penyakit</label>
                <input class="form-control"
type="text" name="kode"
readonly="readonly" value="<?= $row-
>kode_penyakit ?>" />
            </div>
            <div class="mb-4">
                <label>Nama Penyakit </label>
                <input class="form-control"
type="text" name="nama" value="<?= $row-
>nama_penyakit ?>" />
            </div>
            <div class="mb-4">
                <label>Solusi</label>
                <textarea class="form-control"
name="solusi" rows="8"><?= $row->solusi
?></textarea>
            </div>
            <div class="mb-4">
                <button class="btn btn-
success"><span class="glyphicon glyphicon-
save"></span> Simpan</button>

                <a class="btn btn-danger"
href="?m=PENYAKIT"><span
class="glyphicon glyphicon-arrow-
left"></span> Kembali</a>

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

```

penyakit_tambah.php

```

<div class="page-header">
<h1>_____</h1>
    <h1>Tambah Penyakit</h1>
</div>
<div class="row">
    <div class="col-sm-6">
        <?php if ($_POST) include 'aksi.php' ?>
        <form method="post">
            <div class="mb-4">
                <label>Kode</label>
                <input class="form-control"
type="text" name="kode" value="<?=$_POST['kode'] ?>" />
            </div>
            <div class="mb-4">
                <label>Nama Penyakit</label>
                <input class="form-control"
type="text" name="nama" value="<?=$_POST['nama'] ?>" />
            </div>
            <div class="mb-4">
                <label>Solusi</label>
                <textarea class="form-control"
name="solusi" rows="4"><?=$_POST['solusi'] ?></textarea>
            </div>
            <div class="mb-4">
                <label>Penyakit</label>
                <textarea class="form-control"
name="penyakit" rows="4"><?=$_POST['penyakit'] ?></textarea>
            </div>
            <div class="mb-4">
                <button class="btn btn-success">Simpan</button>
                <a class="btn btn-danger"
href="?m=penyakit">Kembali</a>

```

</div>

</form>

</div>

</div>

relasi.php

```

<div class="page-header">
    <h1>_____</h1>
    <h1>Tambah Relasi</h1>
</div>
<div class="panel panel-default">
    <div class="panel-heading">
        <form class="form-inline">
            <input type="hidden" name="m"
value="relasi" />
            <div class="form-group">
                <a class="btn btn-danger"
href="?m=relasi_tambah">Tambah Relasi
+</a>
            </div>
        </form>
    </div>
    <div class="table-responsive">
        <table class="table table-sm">
            <thead>
                <tr class="nw">
                    <th>No</th>
                    <th>Nama Penyakit</th>
                    <th>Nama Gejala</th>
                    <th>Opsis</th>
                </tr>
            </thead>
            <?php
                $q = esc_field($_GET['q']);

```

```

$rows = $db->get_results("SELECT
r.ID, r.kode_gejala, d.kode_penyakit,
g.nama_gejala, d.nama_penyakit, g.bobot
FROM tb_relasi r INNER JOIN tb_penyakit d
ON d.kode_penyakit=r.kode_penyakit
INNER JOIN tb_gejala g ON
g.kode_gejala=r.kode_gejala WHERE
r.kode_gejala LIKE '%$q%' OR
r.kode_penyakit LIKE '%$q%' OR
g.nama_gejala LIKE '%$q%' OR
d.nama_penyakit LIKE '%$q%' ORDER BY
r.kode_penyakit, r.kode_gejala");

```

```
$no = 0;
```

```
foreach ($rows as $row) : ?>
```

```
<tr>
```

```
<td><?= ++$no ?></td>
```

```
<td><?= $row->kode_penyakit . ' ' .
$row->nama_penyakit ?></td>
```

```
<td><?= $row->kode_gejala . ' ' .
$row->nama_gejala ?></td>
```

```
<td class="nw">
```

```
<a class="btn btn-xs btn-danger"
href="aksi.php?act=relasi_hapus&ID=<?=
$row->ID ?>" onclick="return confirm('Hapus
data?')">Hapus</a>
```

```
</td>
```

```
</tr>
```

```
<?php endforeach ?>
```

```
</table>
```

```
</div>
```

relasi_tambah.php

```
<div class="page-header">
```

```
<h1>_____</h1>
```

```
<h1>Tambah Relasi</h1>
```

```
</div>
```

```
<div class="row">
```

```
<div class="col-sm-6">
```

```
<?php if ($_POST) include 'aksi.php' ?>
```

```
<form method="post">
```

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

```
<label>Nama Penyakit</label>
```

```
<select class="form-control"
name="kode_penyakit">
```

```
<option
value="">&nbsp;</option>
```

```
<?=
get_penyakit_option($_POST['kode_penyakit']) ?>
```

```
</select>
```

```
</div>
```

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

```
<label>Nama Gejala </label>
```

```
<select class="form-control"
name="kode_gejala">
```

```
<option
value="">&nbsp;</option>
```

```
<?=
get_gejala_option($_POST['kode_gejala']) ?>
```

```
</select>
```

```
</div>
```

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

```
<button class="btn btn-
success"><span class="glyphicon glyphicon-
save"></span> Simpan</button>
```

```
<a class="btn btn-danger"
href="?m=relasi"><span class="glyphicon
glyphicon-arrow-left"></span> Kembali</a>
```

```
</div>
```

```
</form>
```

```
</div>
```

```
</div>
```

riwayat.php

```
<div class="page-header">
```

```
<h1>_____</h1>
```

```
<h1>Histori Konsultasi</h1>
```

```
</div>
```

```
<div class="panel panel-default">
```

```
<div class="panel-heading">
```

```

</div>

<div class="table-responsive">
    <table class="table table-sm">
        <thead>
            <tr class="nw">
                <th>No</th>
                <th>Waktu</th>
                <th>Gejala</th>
                <th>Penyakit</th>
                <th>Hasil</th>
            </tr>
        </thead>
        <?php
            $q = esc_field($_GET['q']);

            $rows = $db->get_results("SELECT *
FROM tb_histori

WHERE waktu LIKE '%$q%' OR gejala
LIKE '%$q%' OR penyakit LIKE '%$q%' OR
hasil LIKE '%$q%'

ORDER BY id_histori");

            $no = 1;

            foreach ($rows as $row) : ?>
                <tr>
                    <td><?=$no++ ?></td>
                    <td><?=$row->waktu ?></td>
                    <td><?=$row->gejala
?></td>
                    <td><?=$row->penyakit
?></td>
                    <td><?=$row->hasil
?></td>
                </tr>
            <?php endforeach ?>
        </table>
    </div>

```

```

</div>

home.php
<?php include_once 'functions.php'; ?>
<div class="container">
    <h1>_____</h1>

    <div class="textintro"><h1>SELAMAT
DATANG </h1>

    <p class="lead">Silahkan klik Diagnosa di
bagian atas!</p></div>

    <style>
        body{
            background-
image:url(includes/bg1.jpg);
            background-size:cover;
            background-attachment: fixed; }
        div{ color:white; }
    </style>
</div>

```

```

home_admin.php
<?php include_once 'functions.php'; ?>

<div class="container">
    <h1>_____</h1>

    <b><h1>SELAMAT DATANG
ADMIN</h1></b>

    <style>
        body{
            background-image:url(bg1.jpg);
            background-size:cover;
            background-attachment: fixed; }
        div{ color:white; }
    </style>
</div>

```

```
</div>
```

hitung.php

```
<form method="post">
```

```
<div class="panel panel-primary">
```

```
<div class="panel-heading">
```

```
</div>
```

```
<div class="panel-body">
```

```
<div class="row">
```

```
<div class="col-md-6">
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<?php
```

```
$success = false;
```

```
if ($_POST) {
```

```
$selected = (array)
```

```
$_POST['gejala'];
```

```
$success = true;
```

```
if (count($selected) < 2) {
```

```
$success = false;
```

```
print_msg('Silahkan memilih  
gejala lebih dari 1');
```

```
} else if (!$selected) {
```

```
$success = false;
```

```
print_msg('Belum ada gejala  
yang dipilih!');
```

```
} else {
```

```
include 'hitung_hasil.php';
```

```
}
```

```
}
```

```
$_SESSION['data'] = $_POST;
```

```
?>
```

```
<div class="page-header">
```

```
<div class="col-md-6">
```

```
<div class="mb-4">
```

```
<h2>_____</h2>
```

```
<h2>Konsultasi</h2>
```

```
</div>
```

```
</div>
```

```
<form method="post">
```

```
<div class="card border-success  
mb-3">
```

```
<div class="card-header">
```

```
<b>Pilih Gejala</b>
```

```
</div>
```

```
<div class="card-body">
```

```
<div class="table-  
responsive">
```

```
<table class="table ">
```

```
<thead>
```

```
<tr>
```

```
<th><input  
type="checkbox" id="checkAll" /></th>
```

```
<th>No</th>
```

```
<th>Nama  
Gejala</th>
```

```
</tr>
```

```
</thead>
```

```
<?php
```

```
$q =  
esc_field($_GET['q']);
```

```
$rows = $db-  
>get_results("SELECT * FROM tb_gejala  
ORDER BY kode_gejala");
```

```

                $no = 1;

                foreach ($rows as $row)
                :

                    ?>

                    <tr>

                        <td><input
                        type="checkbox" name="gejala[<?= $row-
                        >kode_gejala ?>]" value="<?= $row-
                        >kode_gejala ?>" <?=
                        $_POST['gejala'][$row->kode_gejala] ?
                        'checked' : "" ?> /></td>

                        <td><?= $no++
                        ?></td>

                        <td><?= $row-
                        >nama_gejala ?></td>

                    </tr>

                <?php endforeach ?>

            </table>

            <div class="card-footer">

                <button class="btn btn-
                danger">Proses...</button>

            </div>

        </div>

    </form>

</div>

</div>

</div>

<script>

    $(function() {

        $("#checkAll").click(function() {

            $('input:checkbox').not(this).prop('checked',
            this.checked);

        });

    });

</script>

```

hitung_hasil.php

```

<h1>_____</h1>

<h1>Hasil Konsultasi</h1>

<h2>Penyakit</h2>

<h1></h1>

<?php

$selected = (array) $_POST['gejala'];

if (!$selected) :

    print_msg('Belum ada gejala terpilih. <a
    href="?m=konsultasi">Kembali</a>');

else :

    $rows = $db->get_results("SELECT *
    FROM tb_gejala WHERE kode_gejala IN (" .
    implode(",", $selected) . ")");

    ?><h1>_____</h1>

    <div id="accordion" role="tablist" aria-
    multiselectable="true">

        <div class="card border-success mb-
        3">

            <div class="card-header text-white
            bg-toska" role="tab" id="headingOne">

                <a class="mb-0" style="color:
                #FFFFFF" data-toggle="collapse" data-
                parent="#accordion" href="#collapseOne"
                aria-expanded="true" aria-
                controls="collapseOne">

                    <b>Gejala Terpilih</b>

                </a>

            </div>

            <div id="collapseOne"
            class="collapse show" role="tabpanel" aria-
            labelledby="headingOne">

                <div class="card-body">

                    <table class="table table-sm">

                        <thead>

```

```

        <tr>
            <th>No</th>
            <th>Nama Gejala</th>
        </tr>
    </thead>
    <?php
        $no = 1;
        foreach ($rows as $row) : ?>
            <tr>
                <td><?=$no++ ?></td>
                <td><?=$row-
>nama_gejala ?></td>
            </tr>
        <?php endforeach;
    ?>
    </table>
</div>
</div>
</div>

```

```

<?php
$GEJALA = DS_gejala();
$PENYAKIT = DS_penyakit();

$hasil[] = array(
    'arr' => array_keys($PENYAKIT),
    'name' => implode(',',
array_keys($PENYAKIT)),
    'value' => 1,
);

```

```

        foreach ($selected as $kode) :
            $new_hasil = array();
            $arr_penyakit =
DS_get_penyakit($kode);
            ?>
            <div class="card border-success mb-
3">
                <div class="card-header text-white
bg-toska">
                    <b> <a data-parent="#accordion"
style="color: #FFFFFF" href="#<?=$kode
?>" data-toggle="collapse"><?=$
$GEJALA[$kode]['nama'] . ' ' . implode(', ',
$arr_penyakit) . ' ' ?></a>
                </b>
            </div>
            <div class="card-body collapse "
id="#<?=$kode ?>">
                <table class="table table-sm">
                    <thead>
                        <tr>
                            <th>#</th>
                            <th><?=$ implode(',',
$arr_penyakit) . ' &raquo; ' .
$GEJALA[$kode]['bobot'] ?></th>
                            <th>&oslash; &raquo; <?=$
1 - $GEJALA[$kode]['bobot'] ?></th>
                        </tr>
                    </thead>
                    <?php foreach ($hasil as $row) :
                        $tanggal_diagnosa = date('Y-
m-d');
                        $arr =
array_intersect($row['arr'], $arr_penyakit);
                        $name = implode(',', $arr);
                        $value = $row['value'] *
$GEJALA[$kode]['bobot'];
                        $no = 1;
                        $new_hasil[] = array(
                            'arr' => $arr,
                            'name' => $name,

```

```

        'value' => $value,
    );

    $arr2 =
    array_intersect($row['arr'],
    array_keys($PENYAKIT));

    $name2 = implode(',', $arr2);

    $value2 = $row['value'] * (1 -
    $GEJALA[$kode]['bobot']);

    $new_hasil[] = array(
        'arr' => $arr2,
        'name' => $name2,
        'value' => $value2,
    );

    $hasil = $new_hasil;
?>
<tr>
    <td><?=$row['name'] ?>
    &raquo; <?=$round($row['value'], 4) ?></td>
    <td><?=$name ?> &raquo;
    <?=$round($value, 4) ?></td>
    <td><?=$name2 ?>
    &raquo; <?=$round($value2, 4) ?></td>
</tr>
<?php endforeach; ?>
</table>
<?php
$unik = array();
foreach ($hasil as $row) {
    $unik[$row['name']] = $row['arr'];
}

$new_hasil = DS_hitung($unik,
$hasil);
$hasil = $new_hasil;
?>

```

```

<table class="table ">
    <tr>
        <th>Kombinasi Penyakit</th>
        <th>Rumus</th>
        <th>Nilai</th>
    </tr>
    <?php foreach ($hasil as $key
=> $val) :

        ?>
        <tr>
            <td><?=$val['name']
?></td>
            <td><?=$val['desc']
?></td>
            <td>: <?=$
round($val['value'], 4) ?></td>
        </tr>
    <?php endforeach ?>
</table>
</div>
</div>
<?php endforeach;

function DS_get_best($hasil)
{
    $num = 0;
    $max = array();
    foreach ($hasil as $val) {
        if ($val['value'] > $num) {
            $num = $val['value'];
            $max = $val;
        }
    }
    return $max;
}

```

```

$best = DS_get_best($hasil);

$diags = array();
//print_r($best);

foreach ($best['arr'] as $val) {
    $diags[] = '<a ' . $val . "
target='_blank'>' . $PENYAKIT[$val]-
>nama_penyakit . '</a>';
}

$db->query("INSERT INTO tb_histori
(waktu, gejala, penyakit, hasil)

VALUES (NOW(), " . implode(' ',
$selected) . " , " . implode(' ', $diags) . " ,
'$best[value]')");

?>

<div class="card border-success mb-3"
id="#hasil">

    <div class="card-header">

        <b>Kesimpulan</b>

    </div>

    <div class="card-body">

        <p>Terdeteksi penyakit <strong><? =
implode(' ', $diags) ?></strong> dengan
derajat kepercayaan <strong><? =
round($best['value'] * 100)
?>%</strong>.</p>

    </div>

    <?php foreach ($best['arr'] as $val) : ?>

        <div class="card-body">

            <b><h5>Solusi</h5></b>

            <p><? =
br_to_enter($PENYAKIT[$val]->solusi)
?></p>

            <b><h5>Tentang
Penyakit</h5></b>

            <p><? =
br_to_enter($PENYAKIT[$val]->penyakit)
?></p>

        </div>

```

```

<?php endforeach ?>

<div class="card-footer">

    <a class="btn btn-danger"
href="?m=hitung" type="button">Konsultasi
Lagi !!!</a>

</div>

</div>

</div>

<?php endif;

```

login.php

```

<div class="page-header">

<h1>_____</h1>

    <h1>Login</h1>

</div>

<div class="row">

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

        <?php if ($_POST) include 'aksi.php';
        ?>

        <form class="form-signin"
method="post">

            <div class="form-group">

                <div class="mb-4">

                    <label>Username</label>

                    <input type="text" class="form-
control" placeholder="Username"
name="user" autofocus />

                </div>

                <div class="form-group">

                    <div class="mb-4">

                        <label>Password</label>

                        <input type="password"
id="inputPassword" class="form-control"
placeholder="Password" name="pass" />

                    </div>

                    <div class="form-group">

                        <div class="mb-4">

```

```

        <button class="btn btn-danger"
type="submit"><span class="glyphicon
glyphicon-log-in"></span> Masuk</button>

```

```

    </div>

```

```

    </form>

```

```

</div>

```

```

</div>

```

password.php

```

<div class="page-header">

```

```

<h1>_____</h1>

```

```

    <h1>Ubah Password</h1>

```

```

</div>

```

```

<div class="row">

```

```

    <div class="col-sm-5">

```

```

        <?php if ($_POST) include 'aksi.php' ?>

```

```

        <form method="post">

```

```

            <div class="mb-4">

```

```

                <label>Password Lama <span
class="text-danger">*</span></label>

```

```

                <input class="form-control"
type="password" name="pass1" />

```

```

            </div>

```

```

            <div class="mb-4">

```

```

                <label>Password Baru <span
class="text-danger">*</span></label>

```

```

                <input class="form-control"
type="password" name="pass2" />

```

```

            </div>

```

```

            <div class="mb-4">

```

```

                <label>Konfirmasi Password Baru
<span class="text-danger">*</span></label>

```

```

                <input class="form-control"
type="password" name="pass3" />

```

```

            </div>

```

```

            <button class="btn btn-
danger"><span class="glyphicon glyphicon-
save"></span> Simpan</button>

```

```

        </form>

```

```

    </div>

```

```

</div>

```

aksi.php

```

<?php

```

```

require_once 'functions.php';

```

```

$demo = false;

```

```

/** LOGIN */

```

```

if ($mod == 'login') {

```

```

    $user = esc_field($_POST['user']);

```

```

    $pass = esc_field($_POST['pass']);

```

```

    $row = $db->get_row("SELECT * FROM
tb_admin WHERE user='$user' AND
pass='$pass'");

```

```

    if ($row) {

```

```

        $_SESSION['login'] = $row->user;

```

```

        redirect_js("index.php");

```

```

    } else {

```

```

        print_msg("Salah, periksa username
dan password.");

```

```

    }

```

```

} else if ($mod == 'password') {

```

```

    $pass1 = $_POST['pass1'];

```

```

    $pass2 = $_POST['pass2'];

```

```

    $pass3 = $_POST['pass3'];

```

```

    $row = $db->get_row("SELECT * FROM
tb_admin WHERE user='$_SESSION[login]'
AND pass='$pass1'");

```

```

    if ($pass1 == "" || $pass2 == "" || $pass3 ==
"")

```

```

        print_msg("Field bertanda * harus diisi.");

```

```

    elseif (!$row)

```

```

        print_msg("Password lama salah.");

```

```

    elseif ($pass2 != $pass3)

```

```

        print_msg('Password baru dan
konfirmasi password baru tidak sama.');
```

```

    else {

        $db->query("UPDATE tb_admin SET
pass='$pass2' WHERE
user='$_SESSION[login]'");

        print_msg('Password berhasil diubah.',
'success');
    }
} elseif ($act == 'logout') {
    unset($_SESSION['login']);
    header("location:index.php");
}

/** penyakit */
elseif ($mod == 'penyakit_tambah') {
    $kode = $_POST['kode'];
    $nama = $_POST['nama'];
    $solusi = $_POST['solusi'];
    $penyakit = $_POST['penyakit'];
    if ($kode == "" || $nama == "")
        print_msg("Form harus dilengkapi !");

    elseif ($db->get_results("SELECT * FROM
tb_penyakit WHERE
kode_penyakit='$kode'"))
        print_msg("Kode sudah ada!");
    else {
        $db->query("INSERT INTO tb_penyakit
(kode_penyakit, nama_penyakit, solusi,
penyakit) VALUES ('$kode', '$nama',
'$solusi', '$penyakit')");
        redirect_js("index.php?m=penyakit");
    }
} else if ($mod == 'penyakit_edit') {
    $kode = $_POST['kode'];
    $nama = $_POST['nama'];
    $solusi = $_POST['solusi'];
    $penyakit = $_POST['penyakit'];
    if ($kode == "" || $nama == "")

```

```

        print_msg("Form harus dilengkapi !");
    else {

        $db->query("UPDATE tb_penyakit SET
nama_penyakit='$nama' , solusi='$solusi' ,
penyakit='$penyakit' WHERE
kode_penyakit='$_GET[ID]'");
        redirect_js("index.php?m=penyakit");
    }
} else if ($act == 'penyakit_hapus') {
    $db->query("DELETE FROM tb_penyakit
WHERE kode_penyakit='$_GET[ID]'");
    $db->query("DELETE FROM tb_relasi
WHERE kode_penyakit='$_GET[ID]'");
    header("location:index.php?m=penyakit");
}

/** GEJALA */
if ($mod == 'gejala_tambah') {
    $kode = $_POST['kode'];
    $nama = $_POST['nama'];
    $bobot = $_POST['bobot'];

    if (!$kode || !$nama || !$bobot)
        print_msg("Form harus dilengkapi !");
    elseif ($db->get_results("SELECT * FROM
tb_gejala WHERE kode_gejala='$kode'"))
        print_msg("Kode sudah ada!");
    else {
        $db->query("INSERT INTO tb_gejala
(kode_gejala, nama_gejala, bobot) VALUES
('$kode', '$nama', '$bobot')");
        redirect_js("index.php?m=gejala");
    }
} else if ($mod == 'gejala_ubah') {
    $kode = $_POST['kode'];
    $nama = $_POST['nama'];
    $bobot = $_POST['bobot'];

```

```

        if (!$kode || !$nama || !$bobot)

            print_msg("Field bertanda * tidak boleh
kosong!");

        else {

            $db->query("UPDATE tb_gejala SET
nama_gejala='$nama', bobot='$bobot'
WHERE kode_gejala=$_GET[ID]");

            redirect_js("index.php?m=gejala");

        }

    } else if ($act == 'gejala_hapus') {

        $db->query("DELETE FROM tb_gejala
WHERE kode_gejala=$_GET[ID]");

        $db->query("DELETE FROM tb_relasi
WHERE kode_gejala=$_GET[ID]");

        header("location:index.php?m=gejala");

    }

    /** RELASI TAMBAH */

    else if ($mod == 'relasi_tambah') {

        $kode_penakit =
$_POST['kode_penakit'];

        $kode_gejala = $_POST['kode_gejala'];

        $kombinasi_ada = $db-
>get_row("SELECT * FROM tb_relasi
WHERE kode_penakit='$kode_penakit'
AND kode_gejala='$kode_gejala'");

        if ($kode_penakit == " || $kode_gejala ==
")

            print_msg("Form penyakit dan gejala
harus diisi !");

        elseif ($kombinasi_ada)

            print_msg("Kombinasi penyakit dan
gejala sudah ada!");

        else {

            $db->query("INSERT INTO tb_relasi
(kode_penakit, kode_gejala) VALUES
('$kode_penakit', '$kode_gejala')");

            redirect_js("index.php?m=relasi");

```

```

        }

    } else if ($mod == 'relasi_ubah') {

        $kode_penakit =
$_POST['kode_penakit'];

        $kode_gejala = $_POST['kode_gejala'];

        $kombinasi_ada = $db-
>get_row("SELECT * FROM tb_relasi
WHERE kode_penakit='$kode_penakit'
AND kode_gejala='$kode_gejala' AND
ID<>$_GET[ID]");

        if ($kode_penakit == " || $kode_gejala ==
")

            print_msg("Form penyakit dan gejala
harus diisi !");

        elseif ($kombinasi_ada)

            print_msg("Kombinasi penyakit dan
gejala sudah ada!");

        else {

            $db->query("UPDATE tb_relasi SET
kode_penakit='$kode_penakit',
kode_gejala='$kode_gejala' WHERE
ID=$_GET[ID]");

            redirect_js("index.php?m=relasi");

        }

        header("location:index.php?m=relasi");

    } else if ($act == 'relasi_hapus') {

        $db->query("DELETE FROM tb_relasi
WHERE ID=$_GET[ID]");

        header("location:index.php?m=gejala");

    }

```

config.php

```

<?php

$config["server"] = 'localhost';

$config["username"] = 'root';

$config["password"] = "";

$config["database_name"] = 'spds2';

```

functions.php

```

<?php

error_reporting(~E_NOTICE);

session_start();

DEFINE('ABSPATH', dirname(__FILE__) .
'/');

include 'config.php';
include 'includes/db.php';

$db = new DB($config['server'],
$config['username'], $config['password'],
$config['database_name']);

$mod = $_GET['m'];
$act = $_GET['act'];

$GEJALA = array();

$rows = $db->get_results("SELECT * FROM
tb_gejala ORDER BY kode_gejala");

foreach ($rows as $row) {
    $GEJALA[$row->kode_gejala] = $row;
}

$JK = array(
    'Laki-laki' => 'Laki-laki',
    'Perempuan' => 'Perempuan',
);

function parse_file_name($file_name)
{
    $x = strtolower($file_name);
    $x = str_replace(array(' ', '-'), $x);
    return $x;
}

function br_to_enter($text)
{
    return str_replace("\r\n", '<br />', $text);

```

```

}

function get_jk_option($selected = "")
{
    global $JK;
    $a = "";
    foreach ($JK as $key => $val) {
        if ($key == $selected)
            $a .= "<option value='$key'
selected>$val</option>";
        else
            $a .= "<option
value='$key'>$val</option>";
    }
    return $a;
}

function set_value($key = null, $default =
null)
{
    global $_POST;
    if (isset($_POST[$key]))
        return $_POST[$key];

    if (isset($_GET[$key]))
        return $_GET[$key];

    return $default;
}

function get_words($str, $limit = 20)
{
    $str = strip_tags($str);
    $str_arr = explode(' ', $str, $limit + 1);

    if (count($str_arr) > $limit) {

```

```

        array_pop($str_arr);

        $str = implode(' ', $str_arr) . ' . . .';
    } else {
        $str = implode(' ', $str_arr);
    }
    return $str;
}

function esc_field($str)
{
    return addslashes($str);
}

function redirect_js($url)
{
    echo '<script
type="text/javascript">window.location.replac
e("'" . $url . "'");</script>';
}

function alert($url)
{
    echo '<script type="text/javascript">alert("'"
. $url . "'");</script>';
}

function print_msg($msg, $type = 'danger')
{
    echo ('<div class="alert alert-' . $type . '
alert-dismissible" role="alert">

    <button type="button" class="close" data-
dismiss="alert" aria-label="Close"><span
aria-hidden="true">&times;</span></button>'
. $msg . '</div>');
}

function get_penyakit_option($selected = "")
{
    global $db;

    $rows = $db->get_results("SELECT
kode_penyakit, nama_penyakit FROM
tb_penyakit ORDER BY kode_penyakit");

    $a = "";

    foreach ($rows as $row) {
        if ($row->kode_penyakit == $selected)
            $a .= "<option value='$row-
>kode_penyakit' selected>[ $row-
>kode_penyakit] $row-
>nama_penyakit</option>";
        else
            $a .= "<option value='$row-
>kode_penyakit'>[ $row->kode_penyakit]
$row->nama_penyakit</option>";
    }

    return $a;
}

function get_gejala_option($selected = "")
{
    global $db;

    $rows = $db->get_results("SELECT
kode_gejala, nama_gejala FROM tb_gejala
ORDER BY kode_gejala");

    $a = "";

    foreach ($rows as $row) {
        if ($row->kode_gejala == $selected)
            $a .= "<option value='$row-
>kode_gejala' selected>[ $row->kode_gejala]
$row->nama_gejala</option>";
        else
            $a .= "<option value='$row-
>kode_gejala'>[ $row->kode_gejala] $row-
>nama_gejala</option>";
    }

    return $a;
}

function DS_gejala()

```

```

{
    global $db;

    $rows = $db->get_results("SELECT *
FROM tb_gejala ORDER BY kode_gejala");

    $data = array();

    foreach ($rows as $row) {
        $data[$row->kode_gejala]['kode'] =
$row->kode_gejala;

        $data[$row->kode_gejala]['nama'] =
$row->nama_gejala;

        $data[$row->kode_gejala]['bobot'] =
$row->bobot;
    }

    return $data;
}

```

```

function DS_penyakit()
{
    global $db;

    $rows = $db->get_results("SELECT *
FROM tb_penyakit ORDER BY
kode_penyakit");

    $data = array();

    foreach ($rows as $row) {
        $data[$row->kode_penyakit] = $row;
    }

    return $data;
}

```

```

function DS_get_penyakit($kode)
{
    global $db;

    $rows = $db->get_results("SELECT
kode_penyakit FROM tb_relasi WHERE
kode_gejala='$kode' ORDER BY
kode_penyakit");

    $data = array();

    foreach ($rows as $row) {
        $data[] = $row->kode_penyakit;
    }
}

```

```

}

return $data;
}

function DS_hitung($unik, $data)
{
    $arr = array();

    $kosong = DS_total_nilai("", $data);

    foreach ($unik as $key => $val) {
        if ($key != "") {
            $arr_x = DS_total_nilai($key, $data);

            $arr[] = array(
                'arr' => $val,
                'name' => $key,
                'value' => array_sum($arr_x) / (1 -
array_sum($kosong)),

                'desc' => '(' . implode(' + ',
array_round($arr_x)) . ')' / ( 1 - [ '(' . implode('
+ ', array_round($kosong)) . ' ] )',

                );
        }
    }

    return $arr;
}

```

```

function array_round($arr)
{
    $arr_round = array();

    foreach ($arr as $key => $val) {
        $arr_round[$key] = round($val, 3);
    }

    return $arr_round;
}

```

```

function DS_total_nilai($name, $data)
{

```

```
$arr = array();  
foreach ($data as $val) {  
    if ($val['name'] == $name) {  
        $arr[] = $val['value'];  
    }  
}  
return $arr;
```



KARTU MONITORING BIMBINGAN
MAHASISWA PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS TEKNIK
UNIVERSITAS MUHAMMADIYAH PAREPARE

SKRIPSI

Mahasiswa : Ade Virga Aulia	Pembimbing I : Hj. A. Irmayani Pawellol, ST., MT.
NIM : 218280213	Pembimbing II : Marlina, S.kom., M.kom.
Judul Skripsi : MENGIMPLEMENTASIKAN METODE DEMPSTER SHAFER DALAM APLIKASI SISTEM PAKAR MENDIAGNOSA PENYAKIT PADA HEWAN SAPI	

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1 - Teori Bab II Etington dan Daftar pustaka - Perbaiki Penulisan di pustaka	12/1/23 Hj.	Konsultasi 1 - Semua Babasan Asang dicantumkan - Sesuaikan dg Panduan Penulisan Skripsi	28/12/2022 Mh
Konsultasi 2 Acc	14/1/23 Hj.	Konsultasi 2 - Margin pd ~~kelebihan~~ diperbaiki 4, 4, 3, 3 - Kekurangan pd tabel ditamahi	03/1/2023 Mh
Konsultasi 3		Konsultasi 3 Acc Ujian Proposal	11/1/2023 Mh
Konsultasi 4		Konsultasi 4	
Konsultasi 5		Konsultasi 5	

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Perhatian :

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Judul Skripsi : MENGINPLEMENTASIKAN METODE DEMPSTER SHAFER DALAM APLIKASI SISTEM PAKAR MENDIAGNOSA PENYAKIT PADA HEWAN AYAM KAMPUNG	

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1 - Hasil penelitian - Ujung program	13/1/2024 Arif	Konsultasi 1 - Perbaiki Format Penulisan - Buat Tampilan Menu Utama yang Mencerminkan judul Anda.	28/12/23 Mh
Konsultasi 2 - Kata asing (IT&SC) - Perbaiki absy nbn	15/1/2024 Arif	Konsultasi 2 - Tambahkan Rumus diagnosis dari beberapa percobaan	2/1/2023 Mh
Konsultasi 3 - perbaiki kesimpulan	17/1/2024 Arif	Konsultasi 3 Acc Ujian Hasil	12/1/2023 Mh
Konsultasi 4 Acc. Ujian Hasil	20/1/2024	Konsultasi 4	
Konsultasi 5		Konsultasi 5	

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ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1 Perbaiki Batasan Masalah Screen Shoot Kesimpulan Dig no 6	21/3/2024 A.V.	Konsultasi 1 Perbaiki Spasi pd Tabel Perbaiki Daftar pustaka	Marlina
Konsultasi 2 A.V.	A.V.	Konsultasi 2	Marlina
Konsultasi 3		Konsultasi 3 Acc Ujian Tulis	Marlina
Konsultasi 4		Konsultasi 4	
Konsultasi 5		Konsultasi 5	

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