

# LAMPIRAN

### Lampiran 1. *Source Code Home* (Halaman Utama)

```
<div style="border:1px solid #0099CC; border-radius:3px; padding:30px 30px; margin-bottom:20px; font-size:14px; line-height:18px;">
```

```

```

```
<h3>Sistem Pakar Diagnosa Penyakit Rubbela</h3>
```

```
<p>
```

```
Untuk dapat melakukan konsultasi Anda dapat memilih menu Konsultasi lalu:</p>
```

```
<ol>
```

```
<li>Mengisi data diri pada form yang disediakan</li>
```

```
<li>Memilih identifikasi yang sesuai kondisi gejala-gejala sampai selesai</li>
```

```
<li>Anda dapat langsung melihat hasil diagnosa yang mungkin atau pasti dialami Anda beserta saran Pencegahannya.</li>
```

```
</ol>
```

```
<br /><br />
```

```
<p>Sistem ini dibangun dengan menggunakan <b>Metode Forward Chaining</b> untuk menentukan hasil diagnosa dari identifikasi gejala-gejala yang ada.</p>
```

```
<p style="color:#F60">Aplikasi Sistem Pakar ini dapat digunakan untuk kasus-kasus lain yang sesuai.</p>
```

```
<div style="clear:both;"></div>
```

```
</div>
```

## Lampiran 2. *Source Code Index*

```
<?php
include "config/library.php";
include "config/koneksi.php";
opendb();
$h=@$_GET['h'];
?>
<!DOCTYPE HTML>
<html lang="en-US">
<head>
<meta charset="UTF-8">
<title>Sistem Pakar Metode Forward Chaining</title>
<link rel="stylesheet" type="text/css" href="style/css/style.css" media="all" />
<link href='http://fonts.googleapis.com/css?family=Amaranth' rel='stylesheet' type='text/css'>
<link href='http://fonts.googleapis.com/css?family=Droid+Serif:400,400italic,700,700italic'
rel='stylesheet' type='text/css'>
<script type="text/javascript" src="style/js/jquery-1.6.4.min.js"></script>
<script type="text/javascript" src="style/js/ddsmoothmenu.js"></script>
<script type="text/javascript" src="style/js/jquery.masonry.min.js"></script>
<script type="text/javascript" src="style/js/jquery.slickforms.js"></script>
<script type='text/javascript' src='style/js/jquery.min.js?ver=3.1.2'></script>
<script type="text/javascript" src="style/js/custom.js"></script>
<script type="text/javascript" src="style/js/jquery.validate.js"></script>
```

```
</head>

<body>

<!-- Begin Wrapper -->

<div id="wrapper">

<!-- Begin Sidebar -->

<div id="sidebar">

<div id="logo">



<div style="float:left; color:#FFF; font-size:16px; width:120px; padding-
left:10px;">Diagnosa Penyakit <br><span style="color:#6CF; font-size:24px; font-
weight:bold;">Rubella</span></div>

</div>

<!-- Begin Menu -->

<div id="menu" class="menu-v">

<ul>

<li><a href=".">Beranda</a></li>

<li><a href="?h=diagnosa">Informasi Diagnosa</a></li>

<li><a href="?h=konsultasi">Konsultasi</a></li>

<li><a href="?h=hasil-konsultasi">Hasil Konsultasi</a></li>

</ul>

</div>

<!-- End Menu -->

</div>
```

```
<!-- End Sidebar -->

<!-- Begin Content -->

<div id="content">

<?php

if($h=="identifikasi") { include "data_identifikasi.php"; }

elseif($h=="identifikasi-input") { include "input_identifikasi.php"; }

elseif($h=="diagnosa") { include "info_diagnosa.php"; }

elseif($h=="diagnosa-detail") { include "info_diagnosa_detail.php"; }

elseif($h=="konsultasi") { include "konsultasi.php"; }

elseif($h=="hasil-konsultasi") { include "konsultasi_selesai.php"; }

elseif($h=="konsultasi-reset") { include "konsultasi_reset.php"; }

else { include "home.php"; }

?>

<div class="clearfix"></div>

<!-- Begin Footer -->

<div id="footer">

&copy;Rifka - <a href="" target="_blank">Sistem Pakar Penyakit Metode Forward
Chaining</a> - Dibuat oleh <a href="" target="_blank">Rifka</a>

</div>

<!-- End Footer -->

</div>

<!-- End Content -->

</div>
```

```
<!-- End Wrapper -->
```

```
<div class="clear"></div>
```

```
<script type="text/javascript" src="style/js/scripts.js"></script>
```

```
<!--[if !IE]> -->
```

```
<script type="text/javascript" src="style/js/jquery.corner.js"></script>
```

```
<!-- <![endif]-->
```

```
</body>
```

```
</html>
```

### Lampiran 3. Source Code Konsultasi

```
<?php
if(isset($_SESSION['konsultasi-selesai'])) { ?>

<h1>Konsultasi</h1>

<div class="line"></div>

<div style="border:1px solid #FF2828; border-radius:3px; padding:30px 30px; margin-
bottom:20px; font-size:14px;">

Sesi konsultasi sudah selesai, Anda dapat melihat <b style="color:#06C;">Hasil
Konsultasi</b> atau dapat klik tombol <b style="color:#F60;">Selesai</b> untuk melakukan
konsultasi baru.

</div>

<div class="form-style-2">

<form action="?h=konsultasi-reset" method="post" enctype="multipart/form-data"
id="form1 ">

<div style="clear:both; height:20px;"></div>

<input name="btn_simpan" type="submit" value="Selesai" style="margin-left:5px;
padding:10px 30px; font-size:18px;">

</form>

</div>

<?php
} else {

if(@$_SESSION['ses_fuz_kons_id']== "") {

?>

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

```

// Forms Validator

$(function() {

$("#form1").validate();

});

</script>

<h1>Konsultasi | Mulai</h1>

<div class="line"></div>

Silahkan isi data diri di bawah ini untuk memulai konsultasi

<br /><br />

<div class="form-style-2">

<form action="konsultasi_awal.php" method="post" enctype="multipart/form-data"
id="form1">

<table width="100%" cellpadding="10" cellspacing="0" border="0">

<input type="hidden" name="id" value="<?php echo"$dataquery[id_pengguna]"; ?>" />

<tr>

<td width="23%">Nama Lengkap</td>

<td width="2%">:</td>

<td width="75%"><input name="nama" type="text" size="30" maxlength="50"
class="input-field required"></td>

</tr>

<tr>

<td>Nomor Telepon</td>

<td>:</td>

```



```
<td><input name="no_telp" type="text" size="20" maxlength="15" class="input-field  
required number"></td>
```

```
</tr>
```

```
<tr>
```

```
<td>Email</td>
```

```
<td>:</td>
```

```
<td><input name="email" type="text" size="20" maxlength="100" class="input-field  
required email"></td>
```

```
</tr>
```

```
</table>
```

```
<input name="btn_simpan" type="submit" value="Lanjutkan">
```

```
<input name="batal" type="button" value="Batal" onclick="self.history.back()">
```

```
</form>
```

```
</div>
```

```
<?php } else { ?>
```

```
<style>
```

```
.container ul{
```

```
list-style: none;
```

```
height: 100%;
```

```
width: 100%;
```

```
margin: 0;
```

```
padding: 0;
```

```
}
```

```
.container ul li {  
  
color: #AAAAAA;  
  
display: block;  
  
position: relative;  
  
float: left;  
  
width: 30%;  
  
height: 100px;  
  
list-style-type: none;  
  
}  
  
.container ul li input[type=radio] {  
  
position: absolute;  
  
visibility: hidden;  
  
}  
  
.container ul li label {  
  
display: block;  
  
position: relative;  
  
font-weight: 300;  
  
font-size: 1.35em;  
  
padding: 20px 25px 25px 50px;  
  
margin: 10px auto;  
  
height: 30px;  
  
z-index: 9;  
  
cursor: pointer;
```

```
-webkit-transition: all 0.25s linear;
```

```
}
```

```
.container ul li:hover label{
```

```
color: #669900;
```

```
}
```

```
.container ul li .check{
```

```
display: block;
```

```
position: absolute;
```

```
border: 5px solid #AAAAAA;
```

```
border-radius: 100%;
```

```
height: 25px;
```

```
width: 25px;
```

```
top: 30px;
```

```
left: 20px;
```

```
z-index: 5;
```

```
transition: border .25s linear;
```

```
-webkit-transition: border .25s linear;
```

```
}
```

```
.container ul li:hover .check {
```

```
border: 5px solid #669900;
```

```
}
```

```
.container ul li .check::before {
```

```
display: block;
```

```
position: absolute;

content: "";

border-radius: 100%;

height: 15px;

width: 15px;

top: 5px;

left: 5px;

margin: auto;

transition: background 0.25s linear;

-webkit-transition: background 0.25s linear;

}
```

```
input[type=radio]:checked ~ .check {

border: 5px solid #669900;

}
```

```
input[type=radio]:checked ~ .check::before {

background: #669900;

}
```

```
input[type=radio]:checked ~ label {

color: #669900;

}
```

```
</style>
```

```
<?php
```

```
//Simpan identifikasi terpilih dan cari urutannya
```

```

if(@$_POST['btn_simpan']) {

$pilih=@$_POST['pilih'];

$identifikasi=@$_POST['identifikasi'];

$aturan=@$_POST['aturan'];

$kode=(int)substr($identifikasi_kd, 1, 3);

if(@$_SESSION['aturan_now']!=$aturan) {

if(!isset($_SESSION['arr_aturan'])) {

$_SESSION['arr_aturan']=array();

}

$_SESSION['aturan_now']=$aturan;

//Simpan ke konsultasi identifikasi

querydb("INSERT INTO tb_konsultasi_identifikasi (id_konsultasi, id_identifikasi, jawab)
VALUES ('".$_SESSION['ses_fuz_kons_id'].",'$identifikasi','$pilih)");

//Aturan selanjutnya

$q_identifikasi_baru="";

if($pilih==1) { //Jika yang dipilih "Ya"

//Cek aturan dengan jawaban yang dipilih

$q_aturan="SELECT id_aturan, maka FROM tb_aturan WHERE id_aturan='".$_$aturan.'";

$d_aturan=mysql_fetch_assoc(querydb($q_aturan));

//Cek apakah sudah diagnosa atau masih harus menampilkan pertanyaan

if(substr($d_aturan['maka'], 0, 1)=="I") {

array_push($_SESSION['arr_aturan'], $d_aturan['id_aturan']);

//Cari aturan selanjutnya

```

```
$maka=str_replace("I", "", $d_aturan['maka']);

$atur=1;

ulangi:

$q_set_aturan="SELECT id_aturan, jika FROM tb_aturan WHERE jika="".$maka."" AND
id_aturan>".$atur."

ORDER BY id_aturan ASC LIMIT 0, 1";

$d_set_aturan=mysql_fetch_assoc(querydb($q_set_aturan));

if(in_array($d_set_aturan['id_aturan'], @$_SESSION['arr_aturan'])) {

$atur=$d_set_aturan['id_aturan'];

goto ulangi;

}

if($d_set_aturan['id_aturan']>0) {

$_SESSION['aturan_new']=$d_set_aturan['id_aturan'];

} else {

//Habis dan tidak ditemukan aturan

$_SESSION['hasil_diagnosa']=0;

?>

<script language="JavaScript">document.location=?h=hasil-konsultasi'</script>

<?php

}

} else {

$maka=str_replace("D", "", $d_aturan['maka']);

$_SESSION['hasil_diagnosa']=$maka;
```

?>

```
<script language="JavaScript">document.location='?h=hasil-konsultasi'</script>
```

```
<?php
```

```
}
```

```
} elseif($pilih==0) { //Jika yang dipilih "Tidak"
```

```
//Cek aturan dengan jawaban yang dipilih
```

```
$q_aturan="SELECT id_aturan, tidak FROM tb_aturan WHERE id_aturan='".$Saturan.'";
```

```
$d_aturan=mysql_fetch_assoc(querydb($q_aturan));
```

```
//Cek apakah sudah diagnosa atau masih harus menampilkan pertanyaan
```

```
if(substr($d_aturan['tidak'], 0, 1)=="I") {
```

```
array_push($_SESSION['arr_aturan'], $d_aturan['id_aturan']);
```

```
//Cari aturan selanjutnya
```

```
$tidak=str_replace("I", "", $d_aturan['tidak']);
```

```
$satur=1;
```

```
ulangi_lagi:
```

```
$q_set_aturan="SELECT id_aturan, jika FROM tb_aturan WHERE jika='".$tidak.'" AND  
id_aturan>".$satur."
```

```
ORDER BY id_aturan ASC LIMIT 0, 1";
```

```
//echo $q_set_diagnosa."<br>";
```

```
//echo $d_set_diagnosa['id_diagnosa']."<br>";
```

```
$d_set_aturan=mysql_fetch_assoc(querydb($q_set_aturan));
```

```
if(in_array($d_set_aturan['id_aturan'], @$_SESSION['arr_aturan'])) {
```

```
$satur=$d_set_aturan['id_aturan'];
```

```
goto ulangi_lagi;

}

if($d_set_aturan['id_aturan']>0) {

$_SESSION['aturan_new']=$d_set_aturan['id_aturan'];

} else {

//Habis dan tidak ditemukan aturan

$_SESSION['hasil_diagnosa']=0;

?>

<script language="JavaScript">document.location=?h=hasil-konsultasi</script>

<?php

}

} else {

$tidak=str_replace("D", "", $d_aturan['tidak']);

$_SESSION['hasil_diagnosa']=$tidak;

?>

<script language="JavaScript">document.location=?h=hasil-konsultasi</script>

<?php

}

}

}

}

?>

<h1>Konsultasi | Identifikasi</h1>
```



```
<div class="line"></div>
```

Silahkan identifikasi jawaban yang sesuai.

```
<br /><br />
```

```
<div class="form-style-2">
```

```
<form action="" method="post" enctype="multipart/form-data" id="form1">
```

```
<div style="border:1px solid #669900; border-radius:3px; padding:30px 30px; margin-bottom:20px; font-size:18px;">
```

```
<?php
```

```
if(!isset($_SESSION['aturan_new'])) {
```

```
$q_identifikasi="SELECT a.id_identifikasi, a.kd_identifikasi, a.identifikasi, b.id_aturan  
FROM tb_identifikasi as a, tb_aturan as b WHERE a.id_identifikasi=b.jika ORDER BY  
b.id_aturan ASC LIMIT 0, 1";
```

```
$h_identifikasi=querydb($q_identifikasi);
```

```
$d_identifikasi=mysql_fetch_assoc($h_identifikasi);
```

```
} else {
```

```
$q_identifikasi="SELECT a.id_identifikasi, a.kd_identifikasi, a.identifikasi, b.id_aturan  
FROM tb_identifikasi as a, tb_aturan as b WHERE a.id_identifikasi=b.jika AND  
b.id_aturan=".$_SESSION['aturan_new'];
```

```
$h_identifikasi=querydb($q_identifikasi);
```

```
$d_identifikasi=mysql_fetch_assoc($h_identifikasi);
```

```
}
```

```
Echo
```

```
$d_identifikasi['kd_identifikasi']."-".strtolower($d_identifikasi['identifikasi']).'?';
```

```
?>
```

```
</div>
```

```
<input type="hidden" name="identifikasi" value="<?php echo $d_identifikasi['id_identifikasi']; ?>" />
```

```
<input type="hidden" name="aturan" value="<?php echo $d_identifikasi['id_aturan']; ?>" />
```

```
<div style="border-radius:3px; margin-bottom:40px; font-size:18px; clear:both;">
```

```
<div class="container">
```

```
<ul>
```

```
<li>
```

```
<input type="radio" id="t-option" value="1" name="pilih" checked="checked">
```

```
<label for="t-option">Ya</label>
```

```
<div class="check"><div class="inside"></div></div>
```

```
</li>
```

```
<li>
```

```
<input type="radio" id="f-option" value="0" name="pilih">
```

```
<label for="f-option">Tidak</label>
```

```
<div class="check"></div>
```

```
</li>
```

```
</ul>
```

```
</div>
```

```
</div>
```

```
<div style="clear:both; height:20px;"></div>
```

```
<input name="btn_simpan" type="submit" value="Lanjutkan" style="margin-left:5px; padding:10px 30px; font-size:18px;">
```

</form>

</div>

<?php } } ?>

#### Lampiran 4. Source Code Diagnosa

```
<h1>Daftar Diagnosa (Kerusakan)</h1>
```

```
<div class="line"></div>
```

```
<?php
```

```
$txtcari=antiinjec(@$_POST['txtcari']);
```

```
$data=antiinjec(@$_GET['data']);
```

```
$idk=antiinjec(@$_GET['idk']);
```

```
?>
```

```
<div class="form-style-2">
```

```
<form method="post" action="#" enctype="multipart/form-data">
```

```
<table width="100%" border="0" cellspacing="0" cellpadding="0">
```

```
<tr>
```

```
<td width="5%">Pencarian</td>
```

```
<td width="15%"><input name="txtcari" type="text" size="30" value="<?php  
echo"$txtcari"; ?>" class="input-field"/></td>
```

```
<td width="80%" style="text-align:left;"><input name="" type="submit" value="Cari"  
class="btn btn-default"/></td>
```

```
</tr>
```

```
</table>
```

```
</form>
```

```
</div>
```

```
<table width="100%" border="0" cellpadding="0" cellspacing="0" >
```

```
<tr>
```

<th width="2%">No.</th>

<th width="86%">Diagnosa (Kerusakan)</th>

<th width="12%"></th>

</tr>

<?php

\$halaman=@\$\_GET['halaman'];

\$perhalaman=15;

\$query\_part ="SELECT id\_diagnosa, kd\_diagnosa, diagnosa, definisi, solusi FROM  
tb\_diagnosa

WHERE (diagnosa LIKE '%\$txtcari%' OR kd\_diagnosa LIKE '%\$txtcari%')";

\$hasil\_part = querydb(\$query\_part);

\$jmlhalaman\_part = ceil(mysql\_num\_rows(\$hasil\_part)/\$perhalaman);

if (!isset(\$halaman) || intval(\$halaman)==0)

{

\$halaman=0;

}

else

{

\$halaman=\$halaman-1;

}

\$halamannya = \$halaman \* \$perhalaman;

\$nomor=\$halamannya;

\$query="SELECT id\_diagnosa, kd\_diagnosa, diagnosa, definisi, solusi FROM tb\_diagnosa

```
WHERE (diagnosa LIKE '%$txtcari%' OR kd_diagnosa LIKE '%$txtcari%')
```

```
ORDER BY kd_diagnosa ASC LIMIT $shalamannya, $perhalaman" ;
```

```
$hquery=querydb($query);
```

```
while ($dataquery=mysql_fetch_array($hquery)) {
```

```
$nomor=$nomor+1;
```

```
?>
```

```
<tr>
```

```
<td><?php echo"$nomor"; ?></td>
```

```
<td><?php echo"$dataquery[diagnosa]"; ?></td>
```

```
<td style="text-align:center;">
```

```
<a href="?h=diagnosa-detail&id=<?php echo"$dataquery[0]"; ?>">Baca</a>
```

```
</td>
```

```
</tr>
```

```
<?php
```

```
}
```

```
?>
```

```
</table>
```

```
<div id="hal">
```

```
<div class="awal">Page's :</div>
```

```
<?php
```

```
for($j=1;$j<($jmlhalaman_part+1);$j++)
```

```
{
```

```
?>
```

```
<div><a href="?h=diagnosa&halaman=?php echo"$j"; ?>" title="Halaman : <?php
echo"$j"; ?>" class="<?php if (($halaman+1)==$j) { echo"pilih"; } ?>"><?php echo"$j";
?></a></div>
```

```
<?php }
```

```
?>
```

```
</div>
```