<?php

switch(@$\_GET['act']){

// Tampil Data

case "proses":

?>

<h3>Diagnosa</h3>

<div class='entry'>

<form action="?page=./apps/kanker\_diagnosa/diagnosa&act=ya" method="post" id="frmdiagnosa" name="frmdiagnosa" enctype="multipart/form-data">

<input type="hidden" value="<?php echo $r['id\_knowladge'];?>" name="id\_knowladge" class="pendek" />

<input type="hidden" value="<?php echo $r['id\_gejala'];?>" name="id\_gejala" class="pendek" />

<input type="hidden" value="<?php echo $r['ya'];?>" name="ya" class="pendek" />

<input type="hidden" value="<?php echo $\_POST['id\_diagnosa'];?>" name="id\_diagnosa" class="pendek" />

<table class="data">

<tr class="data">

<td class="data" colspan="3">

<h3><?php echo $r['pertanyaan']." ".$r['nm\_gejala']."?";?></h3>

</td>

</tr>

<tr class="data">

<td class="data" colspan="3" align="center">

<input class='button' type="submit" value='YA'>

<input class='button' type='button' value='TIDAK'

onClick="window.location.href='?page=./apps/kanker\_diagnosa/diagnosa&act=tidak&jwb=<?php echo $r['tidak'];?>&id=<?php echo $r['id\_knowladge'];?>&id\_g=<?php echo $r['id\_gejala'];?>&id\_p=<?php echo $\_POST['id\_diagnosa'];?>';">

</td>

</tr>

</table>

</form>

</div>

<?php

break;

case "ya":

$diagnosa=mysql\_query("SELECT \* FROM tb\_knowladge where id\_knowladge='$\_POST[id\_knowladge]'");

$f=mysql\_fetch\_array($diagnosa);

mysql\_query("INSERT INTO tb\_tmp(id\_diagnosa,

id\_gejala,

tmp)

VALUES('$\_POST[id\_diagnosa]',

'$\_POST[id\_gejala]',

'Y')");

$jwb = $\_POST['ya'];

if(substr($jwb,0,1)=='T'){

$cari=mysql\_query("SELECT tb\_gejala.\*, tb\_knowladge.\*

FROM

tb\_knowladge inner join tb\_gejala

on tb\_knowladge.id\_gejala=tb\_gejala.id\_gejala

where tb\_knowladge.id\_knowladge='$jwb'");

$r=mysql\_fetch\_array($cari);

?>

<h3>Diagnosa</h3>

<div class='entry'>

<form action="?page=./apps/kanker\_diagnosa/diagnosa&act=ya" method="post" id="frmdiagnosa" name="frmdiagnosa" enctype="multipart/form-data">

<input type="hidden" value="<?php echo $r['id\_knowladge'];?>" name="id\_knowladge" class="pendek" />

<input type="hidden" value="<?php echo $r['id\_gejala'];?>" name="id\_gejala" class="pendek" />

<input type="hidden" value="<?php echo $r['ya'];?>" name="ya" class="pendek" />

<input type="hidden" value="<?php echo $\_POST['id\_diagnosa'];?>" name="id\_diagnosa" class="pendek" />

<table class="data">

<tr class="data">

<td class="data" colspan="3">

<h3><?php echo $r['pertanyaan']." ".$r['nm\_gejala']."?";?></h3>

</td>

</tr>

<tr class="data">

<td class="data" colspan="3" align="center">

<input class='button' type="submit" value='YA'>

<input class='button' type=button value='TIDAK'

onClick="window.location.href='?page=./apps/kanker\_diagnosa/diagnosa&act=tidak&jwb=<?php echo $r['tidak'];?>&id=<?php echo $r['id\_knowladge'];?>&id\_g=<?php echo $r['id\_gejala'];?>&id\_p=<?php echo $\_POST['id\_diagnosa'];?>';">

</td>

</tr>

</table>

</form>

</div>

<?php

}else if(substr($jwb,0,1)=='S'){

mysql\_query("UPDATE tb\_diagnosa SET

id\_stadium = '$\_POST[ya]' WHERE id\_diagnosa = '$\_POST[id\_diagnosa]'");

proses\_bayes($\_POST['ya'],$\_POST['id\_diagnosa']);

}

break;

case "tidak":

mysql\_query("INSERT INTO tb\_tmp(id\_diagnosa,

id\_gejala,

tmp)

VALUES('$\_GET[id\_p]',

'$\_GET[id\_g]',

'T')");

$jwb = $\_GET['jwb'];

if(substr($\_GET['jwb'],0,1)=='T'){

$cari=mysql\_query("SELECT tb\_gejala.\*, tb\_knowladge.\*

FROM

tb\_knowladge inner join tb\_gejala

on tb\_knowladge.id\_gejala=tb\_gejala.id\_gejala

where tb\_knowladge.id\_knowladge='$\_GET[jwb]'");

$r=mysql\_fetch\_array($cari);

?>

<h3>Diagnosa</h3>

<div class='entry'>

<form action="?page=./apps/kanker\_diagnosa/diagnosa&act=ya" method="post" id="frmdiagnosa" name="frmdiagnosa" enctype="multipart/form-data">

<input type="hidden" value="<?php echo $r['id\_knowladge'];?>" name="id\_knowladge" class="pendek" />

<input type="hidden" value="<?php echo $r['id\_gejala'];?>" name="id\_gejala" class="pendek" />

<input type="hidden" value="<?php echo $r['ya'];?>" name="ya" class="pendek" />

<input type="hidden" value="<?php echo $\_GET['id\_p'];?>" name="id\_diagnosa" class="pendek" />

<table class="data">

<tr class="data">

<td class="data" colspan="3">

<h3><?php echo $r['pertanyaan']." ".$r['nm\_gejala']."?";?></h3>

</td>

</tr>

<tr class="data">

<td class="data" colspan="3" align="center">

<input class='button' type="submit" value='YA'>

<input class='button' type=button value='TIDAK'

onClick="window.location.href='?page=./apps/kanker\_diagnosa/diagnosa&act=tidak&jwb=<?php echo $r['tidak'];?>&id=<?php echo $r['id\_knowladge'];?>&id\_g=<?php echo $r['id\_gejala'];?>&id\_p=<?php echo $\_GET['id\_p'];?>';">

</td>

</tr>

</table>

</form>

</div>

<?php

}else if($\_GET['jwb']=='0'){

mysql\_query("UPDATE tb\_diagnosa SET

id\_stadium = '$\_GET[jwb]' WHERE id\_diagnosa = '$\_GET[id\_p]'");

?>

<h3>Hasil Diagnosa</h3>

<h3>Tidak ada penyakit yang ditemukan !!!</h3>

<?php

}else if(substr($\_GET['jwb'],0,1)=='S'){

mysql\_query("UPDATE tb\_diagnosa SET

id\_stadium = '$\_GET[jwb]' WHERE id\_diagnosa = '$\_GET[id\_p]'");

proses\_bayes($\_GET['jwb'],$\_GET['id\_p']);

}

break;

case "riwayat":

?>

<h3>Daftar Riwayat Diagnosa</h3>

<div class='entry'>

<table class="data">

<tr class="data">

<th width="50" class="data">No. </th>

<th width="120" class="data">Waktu Diagnosa</th>

<th class="data">Nama</th>

<th class="data">Umur</th>

<th class="data">Hasil Diagnosa</th>

</tr>

<?php

$tampil=mysql\_query("SELECT tb\_diagnosa.\*, tb\_stadium.\*, tb\_user.\* FROM

tb\_diagnosa join tb\_stadium on tb\_diagnosa.id\_stadium=tb\_stadium.id\_stadium

join tb\_user on tb\_diagnosa.id\_user=tb\_user.id\_user where tb\_user.id\_user='".$\_SESSION['id\_user']."'");

$no = 1;

while ($r=mysql\_fetch\_array($tampil)){

$lebar=strlen($no);

switch($lebar){

case 1:

{

$g="0".$no;

break;

}

case 2:

{

$g=$no;

break;

}

}

echo "<tr class='data'>

<td class='data'><center>$g</center></td>

<td class='data'><center>$r[tgl] | $r[jam]</center></td>

<td class='data'>$r[nm\_lengkap]</td>

<td class='data'>$r[umur] Tahun</td>

<td class='data'>$r[nm\_stadium] | ".number\_format($r['nilai'],2)." %</td>

</tr>";

$no++;

}

?>

</table>

</div>

<?php

break;

}

function proses\_bayes($param, $diagnosa){

$G = array();//variabel gejala

$H = array();//P(Hi) Probabilitas Hipotesis H

$P = array();//P(Hi|E) atau probabilitas hipotesis Hi benar jika diberikan evidence E

$sumG = 0;

$sumP = 0;

$bayes = 0;

$jlhGejala = mysql\_result(mysql\_query("SELECT COUNT(\*) as jum FROM tb\_relasi join tb\_tmp on

tb\_relasi.id\_gejala=tb\_tmp.id\_gejala

where tb\_relasi.id\_stadium='".$param."'

and tb\_tmp.id\_diagnosa='".$diagnosa."'

and tb\_tmp.tmp='Y'"),0); // Jumlah gejala

$jumG=$jlhGejala;

//echo "jumlah = ".$jumG."<br>";

$nilai\_G=mysql\_query("SELECT tb\_relasi.nilai\_h, tb\_tmp.tmp FROM tb\_relasi join tb\_tmp on

tb\_relasi.id\_gejala=tb\_tmp.id\_gejala

where tb\_relasi.id\_stadium='".$param."'

and tb\_tmp.id\_diagnosa='".$diagnosa."'

and tb\_tmp.tmp='Y'");

$no=1;

while ($g=mysql\_fetch\_array($nilai\_G)){

$G[$no] = $g['nilai\_h'];

$no++;

}

//nilai G

for($a=1;$a<=$jumG;$a++){

$sumG = $sumG + $G[$a];

//echo "Jumlah G = ".$sumG."<br>";

}

echo "<h3>Jumlah Nilai Gejala Yang terjawab Ya</h3>";

echo "<blockquote>Jumlah &sum;G$jumG = ".$sumG."</blockquote><br>";

echo "<h3>Setelah hasil penjumlahan di atas diketahui, maka didapatlah rumus untuk menghitung nilai semesta adalah sabagai berikut :</h3>";

//Setelah hasil penjumlahan di atas diketahui, maka didapatlah rumus untuk menghitung nilai semesta adalah sabagai berikut :

for($a=1;$a<=$jumG;$a++){

$H[$a] = $G[$a]/$sumG;

echo "<blockquote>Jumlah H[$a]/&sum;k-1 = ".$H[$a]."</blockquote><br>";

}

//probabilitas tanpa memandang evidence apapun

for($a=1;$a<=$jumG;$a++){

$sumP = $sumP + ($H[$a]\*$G[$a]);

}

echo "<h3>Probabilitas tanpa memandang evidence apapun :</h3>";

echo "<blockquote>Jumlah &sum;P(Hi)\*P(E|Hi-n) = ".$sumP."</blockquote><br>";

echo "<h3>P(Hi|E) atau probabilitas hipotesis Hi benar jika diberikan evidence E :</h3>";

//P(Hi|E) atau probabilitas hipotesis Hi benar jika diberikan evidence E

for($a=1;$a<=$jumG;$a++){

$P[$a] = ($H[$a]\*$G[$a])/$sumP;

echo "<blockquote>Jumlah P(H$a|E) = ".$P[$a]."</blockquote><br>";

}

//Setelah seluruh nilai P(Hi|E) diketahui, maka jumlahkan seluruh nilai bayesnya dengan rumus sebagai berikut :

//&sum; =bayes1+bayes2+...+bayesN

for($a=1;$a<=$jumG;$a++){

$bayes = $bayes + ($G[$a]\*$P[$a]);

}

echo "<h3>Setelah seluruh nilai P(Hi|E) diketahui, maka jumlahkan seluruh nilai bayesnya sebagai berikut :</h3>";

echo "<blockquote>Total Bayes = ".$bayes."</blockquote><br>";

$penyakit=mysql\_query("SELECT \* FROM tb\_stadium where id\_stadium='".$param."'");

$p=mysql\_fetch\_array($penyakit);

//echo "Stadium = $p[id\_stadium] $p[nm\_stadium]<br>";

$tampil=mysql\_query("SELECT tb\_gejala.\*, tb\_stadium.\*, tb\_relasi.nilai\_h, tb\_tmp.tmp FROM tb\_relasi join tb\_gejala

on tb\_relasi.id\_gejala=tb\_gejala.id\_gejala join tb\_stadium on

tb\_relasi.id\_stadium=tb\_stadium.id\_stadium join tb\_tmp on

tb\_relasi.id\_gejala=tb\_tmp.id\_gejala where tb\_relasi.id\_stadium='".$param."' and tb\_tmp.id\_diagnosa='".$diagnosa."'");

$no = 1;

while ($r=mysql\_fetch\_array($tampil)){

//echo "$no. $r[id\_gejala] $r[nm\_gejala] = $r[nilai\_h] jawab = $r[tmp]<br>";

$no++;

}

mysql\_query("UPDATE tb\_diagnosa SET

nilai = '".number\_format(($bayes\*100),2)."' WHERE id\_diagnosa = '$diagnosa'");

$h\_akhir=mysql\_query("SELECT tb\_diagnosa.\*, tb\_stadium.\*, tb\_user.\*

FROM

tb\_diagnosa join tb\_stadium

on tb\_diagnosa.id\_stadium=tb\_stadium.id\_stadium

join tb\_user on tb\_diagnosa.id\_user=tb\_user.id\_user

where tb\_diagnosa.id\_stadium='$param' AND tb\_diagnosa.id\_diagnosa='$diagnosa'");

$h\_a=mysql\_fetch\_array($h\_akhir);

?>

<center><a href="javascript:void(printSpecial())"><img src='images/printer.png' width='50' height='50'></a></center>

<div id='printReady'>

<h3>Hasil Diagnosa</h3>

<div class='entry'>

<table class="data">

<tr class="data">

<td class="data" width="200">ID Diagnosa</td>

<td class="data" width="5">:</td>

<td class="data"><?php echo $h\_a['id\_diagnosa'];?></td>

</tr>

<tr class="data">

<td class="data" width="200">Nama user</td>

<td class="data" width="5">:</td>

<td class="data"><?php echo $h\_a['nm\_user'];?></td>

</tr>

<tr class="data">

<td class="data" width="200">Nama</td>

<td class="data" width="5">:</td>

<td class="data"><?php echo $h\_a['nama'];?></td>

</tr>

<tr class="data">

<td class="data" width="200">Jenis Kelamin</td>

<td class="data" width="5">:</td>

<td class="data">

<?php

if ($r['jkel']=='L'){

echo "Laki-laki";

}else{

echo "Perempuan";

}?>

</td>

</tr>

<tr class="data">

<td class="data" width="200">Alamat</td>

<td class="data" width="5">:</td>

<td class="data"><?php echo $h\_a['alamat'];?></td>

</tr>

<tr class="data">

<td class="data" width="200">Umur</td>

<td class="data" width="5">:</td>

<td class="data"><?php echo $h\_a['umur'];?></td>

</tr>

<tr class="data">

<td class="data" width="200">Waktu Diagnosa</td>

<td class="data" width="5">:</td>

<td class="data"><?php echo $h\_a['tgl']." | ".$h\_a['jam'];?></td>

</tr>

<tr class="data">

<td class="data" width="200" colspan="3"><hr /></td>

</tr>

<tr class="data">

<td class="data" width="200">Nama Stadium</td>

<td class="data" width="5">:</td>

<td class="data"><?php echo $h\_a['nm\_stadium'];?>

</td>

</tr>

<tr class="data">

<td class="data" width="200">Gejala Stadium</td>

<td class="data" width="5">:</td>

<td class="data">

<?php

$tampil=mysql\_query("SELECT tb\_gejala.\*, tb\_stadium.\*, tb\_relasi.nilai\_h, tb\_tmp.tmp FROM tb\_relasi join tb\_gejala

on tb\_relasi.id\_gejala=tb\_gejala.id\_gejala join tb\_stadium on

tb\_relasi.id\_stadium=tb\_stadium.id\_stadium join tb\_tmp on

tb\_relasi.id\_gejala=tb\_tmp.id\_gejala where tb\_relasi.id\_stadium='".$param."' and tb\_tmp.id\_diagnosa='".$diagnosa."'");

$no = 1;

while ($r=mysql\_fetch\_array($tampil)){

echo "$no. [$r[id\_gejala]] $r[nm\_gejala]<br>";

$no++;

}

?>

</td>

</tr>

<tr class="data">

<td class="data" width="200">Gejala Terjawab YA</td>

<td class="data" width="5">:</td>

<td class="data">

<?php

$tampil=mysql\_query("SELECT tb\_gejala.\*, tb\_stadium.\*, tb\_relasi.nilai\_h, tb\_tmp.tmp FROM tb\_relasi join tb\_gejala

on tb\_relasi.id\_gejala=tb\_gejala.id\_gejala join tb\_stadium on

tb\_relasi.id\_stadium=tb\_stadium.id\_stadium join tb\_tmp on

tb\_relasi.id\_gejala=tb\_tmp.id\_gejala where tb\_relasi.id\_stadium='".$param."'

and tb\_tmp.id\_diagnosa='".$diagnosa."' and tb\_tmp.tmp='Y'");

$no = 1;

while ($r=mysql\_fetch\_array($tampil)){

echo "$no. [$r[id\_gejala]] $r[nm\_gejala]<br>";

$no++;

}

?>

</td>

</tr>

<tr class="data">

<td class="data" width="200">Gejala Terjawab TIDAK</td>

<td class="data" width="5">:</td>

<td class="data">

<?php

$tampil=mysql\_query("SELECT tb\_gejala.\*, tb\_stadium.\*, tb\_relasi.nilai\_h, tb\_tmp.tmp FROM tb\_relasi join tb\_gejala

on tb\_relasi.id\_gejala=tb\_gejala.id\_gejala join tb\_stadium on

tb\_relasi.id\_stadium=tb\_stadium.id\_stadium join tb\_tmp on

tb\_relasi.id\_gejala=tb\_tmp.id\_gejala where tb\_relasi.id\_stadium='".$param."'

and tb\_tmp.id\_diagnosa='".$diagnosa."' and tb\_tmp.tmp='T'");

$no = 1;

while ($r=mysql\_fetch\_array($tampil)){

echo "$no. [$r[id\_gejala]] $r[nm\_gejala]<br>";

$no++;

}

?>

</td>

</tr>

<tr class="data">

<td class="data" width="200">Persentase Nilai Bayes</td>

<td class="data" width="5">:</td>

<td class="data"><font color="#FF3333" size="+2"><?php echo number\_format(($bayes\*100),2);?>%</font></td>

</tr>

<tr class="data">

<td class="data" width="200">Keterangan Stadium</td>

<td class="data" width="5">:</td>

<td class="data"><?php echo $h\_a['definisi'];?></td>

</tr>

<tr class="data">

<td class="data" width="200">Solusi</td>

<td class="data" width="5">:</td>

<td class="data"><?php echo $h\_a['solusi'];?></td>

</tr>

<tr class="data">

<td class="data" colspan="3"><hr /></td>

</tr>

</table>

</div>

</div>

<?php

}

?>