LAMPIRAN

Source Code:

Koneksi:

```
<?
     mysql_connect("localhost","sa","sa");
     mysql_select_db("hrd");
?>
```

Session Request:

```
<?
     if(isset($_REQUEST["user"]))
     {
          session_id($_REQUEST["user"]);
          session_start();
          $user = $_REQUEST["user"];
     }
     else
          echo "intruder<br/>";
?>
```

Seleksi Karyawan:

```
<?
     include("sessionRequest.php");

     if(isset($_SESSION["auth"]) && $_SESSION["auth"] == "true")
     {
          if($_SESSION["salah"] == "ada")
          {
               ?>
                    <script type="text/javascript"
                         alert("TIDAK DAPAT MELAKUKAN
PERHITUNGAN \nRULE TIDAK LENGKAP");
                    </script>

               <?
               $_SESSION["salah"] = "tidak";
          }
?>


<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-
8859-1" />
```

```html
<title>Seleksi Calon Karyawan</title>
<style type="text/css">
<!--
.style1 {font-family: Arial, Helvetica, sans-serif}
-->
</style>
</head>

<body>
<table width="83%" height="476" border="1" bordercolor="#c2b0dd"
align="center" cellspacing="0">
    <tr>
      <td height="190" colspan="2" background="header1.gif"></td>
    </tr>
    <tr>
      <td width="20%" height="375" valign="top">
            <?
                include("menuTree.php");
            ?>      </td>

        <td width="80%" valign="top">
        <form id="form1" name="form1" method="post"
action="prosesFuzzy.php?user=<?= $user; ?>">

            <table width="100%" border="0" cellspacing="0">
        <tr>
          <td colspan="5" align="left" class="style1"><h2>Seleksi
Calon Karyawan</h2></td>
        </tr>
        <tr>
          <td colspan="5" class="style1"> </td>
          </tr>
        <tr>
          <td colspan="2" class="style1">Seleksi Calon Karyawan
Untuk Jabatan </td>
          <td colspan="2" class="style1"><select
name="pilih_karyawan" id="pilih_karyawan">
            <?
                include ("koneksi.php");
                $ambil_jabatan = "select * from jabatan";
                $hasil_jabatan = mysql_query($ambil_jabatan);

                while($jabatan =
mysql_fetch_assoc($hasil_jabatan))
                {
                    if($_SESSION["jabatanFuzzy"] ==
$jabatan["nama_jabatan"])
                    {
                        echo "<option selected='selected'>";
                        echo $jabatan["nama_jabatan"];
                        echo "</option>";
                    }
                    else
                    {
                        echo "<option>";
                        echo $jabatan["nama_jabatan"];
```

```php
                                    echo "</option>";
                            }
                    }
                ?>
            </select></td>
            <td class="style1"><input name="btn_cari" type="submit"
id="btn_cari" value="Cari" /></td>
        </tr>
        <tr>
          <td class="style1">Umur</td>
          <td class="style1">minimum</td>
          <td class="style1">
          <select name="umur_minimum">
                <?
                    for($i=20; $i<=54 ;$i++)
                    {
                            if($_SESSION["umur_min"] == $i)
                                    echo "<option
selected='selected'>$i</option>";
                            else
                                    echo "<option>$i</option>";
                    }
                ?>
          </select>
                </td>
          <td class="style1">maksimum </td>
          <td class="style1">
                <select name="umur_maksimum">
                <?
                    for($i=20; $i<=54 ;$i++)
                    {
                            if(isset($_SESSION["umur_max"]))

                            {
                                    if($_SESSION["umur_max"] == $i)
                                            echo "<option
selected='selected'>$i</option>";
                                    else
                                            echo "<option>$i</option>";
                            }
                            else
                            {
                                    if($i!=54)
                                            echo "<option>$i</option>";
                                    else
                                            echo "<option
selected='selected'>$i</option>";
                            }
                    }
                ?>
          </select>
                </td>
        </tr>
        <tr>
          <td width="29%" class="style1">Pengalaman Kerja </td>
          <td width="9%" class="style1">minimum</td>
```

```php
            <td width="9%" class="style1">
                <select name="pengalaman_minimum">
                <?
                    for($i=0; $i<=15 ;$i++)
                    {
                            if($_SESSION["pengalaman_min"] == $i)
                                echo "<option
selected='selected'>$i</option>";
                            else
                                echo "<option>$i</option>";
                    }
                ?>
            </select>
                </td>
            <td width="9%" class="style1">maksimum</td>
            <td width="44%" class="style1">
                <select name="pengalaman_maksimum">
                <?
                    for($i=0; $i<=15 ;$i++)
                    {
                            if(isset($_SESSION["pengalaman_max"]))

                            {
                                if($_SESSION["pengalaman_max"] ==
$i)
                                    echo "<option
selected='selected'>$i</option>";
                                else
                                    echo "<option>$i</option>";
                            }
                            else
                            {
                                if($i!=15)
                                    echo "<option>$i</option>";
                                else
                                    echo "<option
selected='selected'>$i</option>";
                            }
                    }
                ?>
            </select>
                </td>
          </tr>
            </table>
</form>
      <span class="style1">
      <?
            $ambil_hasil_seleksi = "select * from hasil_seleksi
where jabatan = '".$_SESSION["jabatanFuzzy"]."' order by nilai_cog
DESC";
            $hasil_ambil_seleksi =
mysql_query($ambil_hasil_seleksi);
            if(mysql_num_rows($hasil_ambil_seleksi) > 0)
            {
            ?>
            </span>
```

```php
            <a href="perbandingan.php?user=<?=$user?>"
target="_blank">Perbandingan 3 tertinggi</a>
        <table border="1" cellspacing="0">
                <tr>
                <td width="100" align="center" class="style1"><b>ID
Karyawan</b></td>
                <td width="100" align="center"
class="style1"><b>Nama</b></td>
                <td width="100" align="center" class="style1"><b>Jenis
Kelamin</b></td>
                <td width="100" align="center"
class="style1"><b>Nilai</b></td>
                <td width="150" align="center"
class="style1"><b>dengan kata-kata</b></td>
                <td width="100" align="center"
class="style1"><b>Jabatan</b></td>
                <td class="style1"> </td>
                </tr>
        <?

                while($data = mysql_fetch_row($hasil_ambil_seleksi))
                {
                        $query1 = mysql_query("select nama,jenis_kelamin
from calon_karyawan where id_karyawan = '".$data[0]."'");
                        $hasil1 = mysql_fetch_assoc($query1);

                        echo "<tr>";
                        echo "<td align='center'>".$data[0]."</td>";
                        echo "<td
align='center'>".$hasil1["nama"]."</td>";
                        if($hasil1["jenis_kelamin"] == "P")
                                echo "<td align='center'>Pria</td>";
                        else
                                echo "<td align='center'>Wanita</td>";
                        echo "<td align='center'>".$data[1]."</td>";
                        echo "<td align='center'>".$data[2]."</td>";
                        echo "<td align='center'>".$data[3]."</td>";
                        echo "<td><a href =
'detailKaryawan2.php?user=$user&id_karyawan=".$data[0]."'
target='_blank'>detail</a></td>";
                        echo "</tr>";
                }
        ?>
                </table>
        <span class="style1">
        <?
    }
    ?>
        </span></td>
    </tr>
  </table>
</body>
</html>


<?
```

```php
}
else
{
      echo "anda belum login";
}
?>
```

Proses Fuzzy:

```php
<?
include("sessionRequest.php");
include("fungsi.php");

if(isset($_SESSION["auth"]) && $_SESSION["auth"] == "true")
{
      $_SESSION["salah"] = "tidak";

      include("koneksi.php");

      mysql_query("delete from hasil_seleksi");



      $jabatan = $_POST["pilih_karyawan"];
      $_SESSION["jabatanFuzzy"] = $jabatan;
      //echo $jabatan;

      $_SESSION["umur_min"] = $_POST["umur_minimum"];
      $_SESSION["umur_max"] = $_POST["umur_maksimum"];
      $_SESSION["pengalaman_min"] = $_POST["pengalaman_minimum"];
      $_SESSION["pengalaman_max"] = $_POST["pengalaman_maksimum"];

      $ambil_rule1 = mysql_query("select konklusi from rules where
jabatan = '$jabatan' ");

      $r1=0; $r2=0; $r3=0; $r4=0; $r5=0;

      while($cek_rule = mysql_fetch_assoc($ambil_rule1))
      {
            if($cek_rule["konklusi"] == "Kurang")
                  $r1 = 1;
            if($cek_rule["konklusi"] == "Cukup")
                  $r2 = 1;
            if($cek_rule["konklusi"] == "Cukup_Baik")
                  $r3 = 1;
            if($cek_rule["konklusi"] == "Baik")
                  $r4 = 1;
            if($cek_rule["konklusi"] == "Baik_Sekali")
                  $r5 = 1;
      }


      if($r1 == 1 && $r2 == 1 && $r3 == 1 && $r4 == 1 && $r5 == 1)
      {
```

```php
            $ambil_data_tes = mysql_query("select * from data_tes
where umur>=".$_SESSION["umur_min"]." &&
umur<=".$_SESSION["umur_max"]." &&
pengalaman_kerja>=".$_SESSION["pengalaman_min"]."&&
pengalaman_kerja<=".$_SESSION["pengalaman_max"]."");



            $ambil_batas_umur = mysql_query("select * from batas
where kriteria='umur'");
            $hasil_batas_umur =
mysql_fetch_assoc($ambil_batas_umur);

            $ambil_batas_ipk = mysql_query("select * from batas
where kriteria='ipk'");
            $hasil_batas_ipk =
mysql_fetch_assoc($ambil_batas_ipk);

            $ambil_batas_umum = mysql_query("select * from batas
where kriteria='umum'");
            $hasil_batas_umum =
mysql_fetch_assoc($ambil_batas_umum);



            while($hasil_data_tes =
mysql_fetch_row($ambil_data_tes))
            {
                    //echo "<br/>id karyawan:
".$hasil_data_tes[0]."<br/><br/>";


                    for($i=2; $i<count($hasil_data_tes); $i++)
                    {
                            if($i == 2)//IPK
                            {
                                    $kurang =
hitung($hasil_data_tes[$i], $hasil_batas_ipk["a_kurang"],
$hasil_batas_ipk["b_kurang"],

$hasil_batas_ipk["c_kurang"]);

                                    $cukup = hitung($hasil_data_tes[$i],
$hasil_batas_ipk["a_cukup"], $hasil_batas_ipk["b_cukup"],
$hasil_batas_ipk["c_cukup"]);

                                    $cukup_baik =
hitung($hasil_data_tes[$i], $hasil_batas_ipk["a_cukup_baik"],
$hasil_batas_ipk["b_cukup_baik"],

$hasil_batas_ipk["c_cukup_baik"]);

                                    $baik = hitung($hasil_data_tes[$i],
$hasil_batas_ipk["a_baik"], $hasil_batas_ipk["b_baik"],
$hasil_batas_ipk["c_baik"]);
```

```php
                                        $baik_sekali =
hitung($hasil_data_tes[$i], $hasil_batas_ipk["a_baik_sekali"],
$hasil_batas_ipk["b_baik_sekali"],

$hasil_batas_ipk["c_baik_sekali"]);

                                }
                                else //Umum
                                {
                                        $kurang =
hitung($hasil_data_tes[$i], $hasil_batas_umum["a_kurang"],
$hasil_batas_umum["b_kurang"],

$hasil_batas_umum["c_kurang"]);

                                        $cukup = hitung($hasil_data_tes[$i],
$hasil_batas_umum["a_cukup"], $hasil_batas_umum["b_cukup"],
$hasil_batas_umum["c_cukup"]);

                                        $cukup_baik =
hitung($hasil_data_tes[$i], $hasil_batas_umum["a_cukup_baik"],
$hasil_batas_umum["b_cukup_baik"],

$hasil_batas_umum["c_cukup_baik"]);

                                        $baik = hitung($hasil_data_tes[$i],
$hasil_batas_umum["a_baik"], $hasil_batas_umum["b_baik"],
$hasil_batas_umum["c_baik"]);

                                        $baik_sekali =
hitung($hasil_data_tes[$i], $hasil_batas_umum["a_baik_sekali"],
$hasil_batas_umum["b_baik_sekali"],

$hasil_batas_umum["c_baik_sekali"]);
                                }


                        $nama_parameter = "param_".$i;

                        ${$nama_parameter}[0] = $kurang;
                        ${$nama_parameter}[1] = $cukup;
                        ${$nama_parameter}[2] = $cukup_baik;
                        ${$nama_parameter}[3] = $baik;
                        ${$nama_parameter}[4] = $baik_sekali;

//                      echo $nama_parameter." = ";
//                      for($p=0;$p<5;$p++)
//                              echo ${$nama_parameter}[$p]." , ";
//                      echo "<br/>";
                }
```

```php
$ambil_rule = mysql_query("select premis,
konklusi from rules where jabatan = '$jabatan' ");

while($hasil_rule =
mysql_fetch_assoc($ambil_rule))
{
        $premis = explode("
",$hasil_rule["premis"]);


        for($i=0; $i<count($premis); $i+=3)
        {
                for($j=1; $j<count($parameter);
$j++)
                {
                        if($premis[$i] ==
$parameter[$j])
                                $param[] = "param_".$j;
                }
        }


        $m=1;
        for($k=0; $k<count($param); $k++)
        {
                $x = ambil_nilai($premis[$m]);
                $m+=3;
                $nilai[] = ${$param[$k]}[$x];
        }


        $operator[] = "ATAU";
        for($j=2; $j<count($premis);$j+=3)
        {
//              echo $premis[$j];
                $operator[] = $premis[$j];
        }
//      for($j=0; $j<count($nilai);$j++)
//              echo $nilai[$j]." - ";


        $nilai2[0] = 0.0;
        $temp = $hasil[0];

        for($i=0; $i<count($nilai); $i++)
        {
                if($operator[$i] == "DAN")
                {
                        $temp = min($temp,$nilai[$i]);
                        $nilai2[count($nilai2)-1] =
$temp;
```

```php
                }
                else
                {
                        $nilai2[] = $nilai[$i];
                        $temp = $nilai[$i];
                }
        }
        $hasil = 0.0;
        for($i=0; $i<count($nilai2);$i++)
        {
                $hasil = max($hasil,$nilai2[$i]);
        }


        if($hasil_rule["konklusi"] == "Kurang")
                $c_kurang[] = $hasil;
        elseif($hasil_rule["konklusi"] == "Cukup")
                $c_cukup[] = $hasil;
        elseif($hasil_rule["konklusi"] ==
"Cukup_Baik")

                $c_cukup_baik[] = $hasil;
        elseif($hasil_rule["konklusi"] == "Baik")
                $c_baik[] = $hasil;
        elseif($hasil_rule["konklusi"] ==
"Baik_Sekali")

                $c_baik_sekali[] = $hasil;




        $count_nilai = count($nilai);
        for($k=0; $k < $count_nilai ;$k++)
                array_pop($nilai);

        $count_nilai2 = count($nilai2);
        for($k=0; $k < $count_nilai2 ;$k++)
                array_pop($nilai2);

        $count_operator = count($operator);
        for($k=0; $k<$count_operator;$k++)
                array_pop($operator);

        $count_param = count($param);
        for($k=0; $k<$count_param;$k++)
                array_pop($param);
}


        //Hasil perhitungan rules
//      echo "<br/>Kurang = ";
//      for($p=0;$p<count($c_kurang);$p++)
//      {    echo $c_kurang[$p]." , ";      }
//      echo "<br/>Cukup = ";
```

```php
//                        for($p=0;$p<count($c_cukup);$p++)
//                        {      echo $c_cukup[$p]." , ";          }
//                        echo "<br/>Cukup Baik = ";
//                        for($p=0;$p<count($c_cukup_baik);$p++)
//                        {      echo $c_cukup_baik[$p]." , "; }
//                        echo "<br/>Baik = ";
//                        for($p=0;$p<count($c_baik);$p++)
//                        {      echo $c_baik[$p]." , "; }
//                        echo "<br/>Baik Sekali = ";
//                        for($p=0;$p<count($c_baik_sekali);$p++)
//                        {      echo $c_baik_sekali[$p]." , ";
//              }
//                        echo "<br/><br/>";


                  if(count($c_kurang)>1)
                  {
                        $c_kurang_akhir = 0.0;
                        for($i=0; $i<count($c_kurang); $i++)
                        {
//                              $c_kurang_akhir =
max($c_kurang_akhir, $c_kurang[$i]);

                              if($c_kurang_akhir < $c_kurang[$i])
                                    {$c_kurang_akhir =
$c_kurang[$i];
                                    }
                        }


                        $count_c = count($c_kurang);
                        for($k=0; $k<$count_c;$k++)
                              array_pop($c_kurang);
                  }

                  elseif(count($c_kurang)== 1)
                  {
                        $c_kurang_akhir = $c_kurang[0];


                        $count_c = count($c_kurang);
                        for($k=0; $k<$count_c;$k++)
                              array_pop($c_kurang);
                  }

                  if(count($c_cukup)>1)
                  {
                        $c_cukup_akhir = 0.0;
                        for($i=0; $i<count($c_cukup); $i++)
                        {
                              if($c_cukup_akhir < $c_cukup[$i])
                                    {$c_cukup_akhir =
$c_cukup[$i];
                                    }
```

```php
            }

            $count_c = count($c_cukup);
            for($k=0; $k<$count_c;$k++)
                    array_pop($c_cukup);
        }

        elseif(count($c_cukup)== 1)
        {
            $c_cukup_akhir = $c_cukup[0];


            $count_c = count($c_cukup);
            for($k=0; $k<$count_c;$k++)
                    array_pop($c_cukup);
        }

        if(count($c_cukup_baik)>1)
        {
            $c_cukup_baik_akhir = 0.0;
            for($i=0; $i<count($c_cukup_baik); $i++)
            {
                    if($c_cukup_baik_akhir <
$c_cukup_baik[$i])

                            {$c_cukup_baik_akhir =
$c_cukup_baik[$i];

                            }
            }

            $count_c = count($c_cukup_baik);
            for($k=0; $k<$count_c;$k++)
                    array_pop($c_cukup_baik);
        }

        elseif(count($c_cukup_baik)== 1)
        {
            $c_cukup_baik_akhir = $c_cukup_baik[0];


            $count_c = count($c_cukup_baik);
            for($k=0; $k<$count_c;$k++)
                    array_pop($c_cukup_baik);
        }

        if(count($c_baik)>1)
        {
            $c_baik_akhir = 0.0;
            for($i=0; $i<count($c_baik); $i++)
            {
                    if($c_baik_akhir < $c_baik[$i])
                            {$c_baik_akhir = $c_baik[$i];
                            }
            }
```

```php
                        $count_c = count($c_baik);
                        for($k=0; $k<$count_c;$k++)
                                array_pop($c_baik);
                }

                elseif(count($c_baik)== 1)
                {
                        $c_baik_akhir = $c_baik[0];


                        $count_c = count($c_baik);
                        for($k=0; $k<$count_c;$k++)
                                array_pop($c_baik);
                }

                if(count($c_baik_sekali)>1)
                {
                        $c_baik_sekali_akhir = 0.0;
                        for($i=0; $i<count($c_baik_sekali); $i++)
                        {
                                if($c_baik_sekali_akhir <
$c_baik_sekali[$i])

                                        {$c_baik_sekali_akhir =
$c_baik_sekali[$i];

                                        }
                        }


                        $count_c = count($c_baik_sekali);
                        for($k=0; $k<$count_c;$k++)
                                array_pop($c_baik_sekali);
                }

                elseif(count($c_baik_sekali)== 1)
                {
                        $c_baik_sekali_akhir = $c_baik_sekali[0];


                        $count_c = count($c_baik_sekali);
                        for($k=0; $k<$count_c;$k++)
                                array_pop($c_baik_sekali);
                }



//grafik output
                $z_kurang[] = 0.0;
                $z_kurang[] = 10;

                $z_cukup[] =30;

                $z_cukup_baik[] =50;

                $z_baik[] =70;
```

```php
                    $z_baik_sekali[] =90;
                    $z_baik_sekali[] =100;

                    if($c_kurang_akhir > 0.5 && $c_cukup_akhir >
0.5)
                    {
                            $n1 = rumus_kanan_COG($c_kurang_akhir,
$hasil_batas_umum["b_kurang"], $hasil_batas_umum["c_kurang"]);
                            $n2 = rumus_kiri_COG($c_cukup_akhir,
$hasil_batas_umum["a_cukup"], $hasil_batas_umum["b_cukup"]);

                            $m1 = 20 - $n1;
                            $m2 = $n2 - 20;

                            if($m1>$m2)
                                    $z_cukup[] = 20;
                            else
                                    $z_kurang[] = 20;
                    }
                    elseif($c_kurang_akhir == $c_cukup_akhir)
                    {
                            $z_kurang[] = 20;
                    }
                    else
                    {
                            if($c_kurang_akhir > $c_cukup_akhir)
                                    $z_kurang[] =20;
                            elseif($c_kurang_akhir < $c_cukup_akhir)
                                    $z_cukup[] =20;
                    }

                    if($c_cukup_akhir > 0.5 && $c_cukup_baik_akhir >
0.5)
                    {
                            $n1 = rumus_kanan_COG($c_cukup_akhir,
$hasil_batas_umum["b_cukup"], $hasil_batas_umum["c_cukup"]);
                            $n2 = rumus_kiri_COG($c_cukup_baik_akhir,
$hasil_batas_umum["a_cukup_baik"],
$hasil_batas_umum["b_cukup_baik"]);

                            $m1 = 40 - $n1;
                            $m2 = $n2 - 40;

                            if($m1>$m2)
                                    $z_cukup_baik[] = 40;
                            else
                                    $z_cukup[] = 40;
                    }
                    elseif($c_cukup_akhir == $c_cukup_baik_akhir)
                    {
                            $z_cukup[] = 40;
                    }
                    else
                    {
                            if($c_cukup_akhir > $c_cukup_baik_akhir)
```

```php
                        $z_cukup[] =40;
                elseif($c_cukup_akhir <
$c_cukup_baik_akhir)
                        $z_cukup_baik[] =40;
            }

            if($c_cukup_baik_akhir > 0.5 && $c_baik_akhir >
0.5)
            {
                $n1 = rumus_kanan_COG($c_cukup_baik_akhir,
$hasil_batas_umum["b_cukup_baik"],
$hasil_batas_umum["c_cukup_baik"]);
                $n2 = rumus_kiri_COG($c_baik_akhir,
$hasil_batas_umum["a_baik"], $hasil_batas_umum["b_baik"]);

                $m1 = 60 - $n1;
                $m2 = $n2 - 60;

                if($m1>$m2)
                    $z_baik[] = 60;
                else
                    $z_cukup_baik[] = 60;
            }
            elseif($c_cukup_baik_akhir == $c_baik_akhir)
            {
                $z_cukup_baik[] = 60;
            }
            else
            {
                if($c_cukup_baik_akhir > $c_baik_akhir)
                    $z_cukup_baik[] =60;
                elseif($c_cukup_baik_akhir <
$c_baik_akhir)
                    $z_baik[] =60;
            }

            if($c_baik_akhir > 0.5 && $c_baik_sekali_akhir >
0.5)
            {
                $n1 = rumus_kanan_COG($c_baik_akhir,
$hasil_batas_umum["b_baik"], $hasil_batas_umum["c_baik"]);
                $n2 = rumus_kiri_COG($c_baik_sekali_akhir,
$hasil_batas_umum["a_baik_sekali"],
$hasil_batas_umum["b_baik_sekali"]);

                $m1 = 80 - $n1;
                $m2 = $n2 - 80;

                if($m1>$m2)
                    $z_baik_sekali[] = 80;
                else
                    $z_baik[] = 80;
            }
            elseif($c_baik_akhir == $c_baik_sekali_akhir)
            {
                $z_baik[] = 80;
```

```php
                }
                else
                {
                        if($c_baik_akhir > $c_baik_sekali_akhir)
                                $z_baik[] =80;
                        elseif($c_baik_akhir <
$c_baik_sekali_akhir)
                                $z_baik_sekali[] =80;
                }



//              echo "kurang:<br/>";
//              for($q=0; $q<count($z_kurang); $q++)
//                      echo $z_kurang[$q]."<br/>";
//              echo "cukup:<br/>";
//              for($q=0; $q<count($z_cukup); $q++)
//                      echo $z_cukup[$q]."<br/>";
//              echo "cukup_baik:<br/>";
//              for($q=0; $q<count($z_cukup_baik); $q++)
//                      echo $z_cukup_baik[$q]."<br/>";
//              echo "baik:<br/>";
//              for($q=0; $q<count($z_baik); $q++)
//                      echo $z_baik[$q]."<br/>";
//              echo "baik_sekali:<br/>";
//              for($q=0; $q<count($z_baik_sekali); $q++)
//                      echo $z_baik_sekali[$q]."<br/>";




                $atas =
(array_sum($z_kurang)*$c_kurang_akhir)+(array_sum($z_cukup)*$c_cuk
up_akhir)+(array_sum($z_cukup_baik)*$c_cukup_baik_akhir)+

      (array_sum($z_baik)*$c_baik_akhir)+(array_sum($z_baik_sekali
)*$c_baik_sekali_akhir);
                $bawah
=(count($z_kurang)*$c_kurang_akhir)+(count($z_cukup)*$c_cukup_akhi
r)+(count($z_cukup_baik)*$c_cukup_baik_akhir)+

      (count($z_baik)*$c_baik_akhir)+(count($z_baik_sekali)*$c_bai
k_sekali_akhir);



                if($atas != 0.0 && $bawah != 0.0)
                        $COG = $atas/$bawah;
                else
                        $COG = 0.0;

//              echo "<br/> COG = ".$COG."<br/><br/><br/>";



                $jml_z = count($z_kurang);
```

```php
                for($q=0; $q< $jml_z; $q++)
                        array_pop($z_kurang);

                $jml_z = count($z_cukup);
                for($q=0; $q<$jml_z; $q++)
                        array_pop($z_cukup);

                $jml_z = count($z_cukup_baik);
                for($q=0; $q<$jml_z; $q++)
                        array_pop($z_cukup_baik);

                $jml_z = count($z_baik);
                for($q=0; $q<$jml_z; $q++)
                        array_pop($z_baik);

                $jml_z = count($z_baik_sekali);
                for($q=0; $q<$jml_z; $q++)
                        array_pop($z_baik_sekali);




                $kurang = hitung($COG,
$hasil_batas_umum["a_kurang"], $hasil_batas_umum["b_kurang"],
$hasil_batas_umum["c_kurang"]);
                $cukup = hitung($COG,
$hasil_batas_umum["a_cukup"], $hasil_batas_umum["b_cukup"],
$hasil_batas_umum["c_cukup"]);
                $cukup_baik = hitung($COG,
$hasil_batas_umum["a_cukup_baik"],
$hasil_batas_umum["b_cukup_baik"],$hasil_batas_umum["c_cukup_baik"
]);
                $baik = hitung($COG,
$hasil_batas_umum["a_baik"], $hasil_batas_umum["b_baik"],
$hasil_batas_umum["c_baik"]);
                $baik_sekali = hitung($COG,
$hasil_batas_umum["a_baik_sekali"],
$hasil_batas_umum["b_baik_sekali"],$hasil_batas_umum["c_baik_sekal
i"]);

                $posisi_akhir =
max($kurang,$cukup,$cukup_baik,$baik,$baik_sekali);
                //echo $posisi_akhir;

                if($kurang == $posisi_akhir)
                {
                        $simpan_hasil_seleksi = "insert into
hasil_seleksi (id_karyawan, nilai_cog, kelompok, jabatan)
values(".$hasil_data_tes[0].",$COG,'kurang','$jabatan')";
                        $hasil_simpan =
mysql_query($simpan_hasil_seleksi);
                }
                elseif($cukup == $posisi_akhir)
                {
```

```php
                            $simpan_hasil_seleksi = "insert into
hasil_seleksi (id_karyawan, nilai_cog, kelompok, jabatan)
values(".$hasil_data_tes[0].",$COG,'cukup','$jabatan')";
                            $hasil_simpan =
mysql_query($simpan_hasil_seleksi);
                    }
                    elseif($cukup_baik == $posisi_akhir)
                    {
                            $simpan_hasil_seleksi = "insert into
hasil_seleksi (id_karyawan, nilai_cog, kelompok, jabatan)
values(".$hasil_data_tes[0].",$COG,'cukup baik','$jabatan')";
                            $hasil_simpan =
mysql_query($simpan_hasil_seleksi);
                    }
                    elseif($baik == $posisi_akhir)
                    {
                            $simpan_hasil_seleksi = "insert into
hasil_seleksi (id_karyawan, nilai_cog, kelompok, jabatan)
values(".$hasil_data_tes[0].",$COG,'baik','$jabatan')";
                            $hasil_simpan =
mysql_query($simpan_hasil_seleksi);
                    }
                    elseif($baik_sekali == $posisi_akhir)
                    {
                            $simpan_hasil_seleksi = "insert into
hasil_seleksi (id_karyawan, nilai_cog, kelompok, jabatan)
values(".$hasil_data_tes[0].",$COG,'baik sekali','$jabatan')";
                            $hasil_simpan =
mysql_query($simpan_hasil_seleksi);
                    }
            }

        header("location:seleksiKaryawan.php?user=$user");
            }




        else
        {
            $_SESSION["salah"] = "ada";     // untuk di pakai di
halaman seleksi karyawan
            header("location:seleksiKaryawan.php?user=$user");
        }
}
else
{
        echo "anda belum login";
}
?>
```