

CODING

1. Koneksi

```
<?php
host = "localhost"; #nama host
$user = "root"; #nama user
$password = ""; #isi password
$db = "db_algoritmadki"; #isi nama database;

mysql_connect($host,$user,$pass) or die("Owwwwhhhh nooo gagal
koneksi".mysql_error());
mysql_select_db($db) or die("owwwwhh yesss gagal koneksi
db".mysql_error());
?>
```

2. ADD MASISWA

```
<form id="form1" name="form1" method="post" action="savemahasiswa.php">
```

```
<table width="400" border="1">
```

```
<tr>
```

```
<td>Nim</td>
```

```
<td><label>
```

```
<input name="nim" type="text" id="nim" />
```

```
</label></td>
```

```
</tr>
```

```
<tr>
```

```
<td>nama</td>
```

```
<td><label>  
  <input name="nama" type="text" id="nama" />  
</label></td>
```

```
</tr>
```

```
<tr>
```

```
<td>warga</td>
```

```
<td><label>
```

```
  <input name="warga" type="text" id="warga" />
```

```
</label></td>
```

```
</tr>
```

```
<tr>
```

```
  <tr>
```

```
<td>usia</td>
```

```
<td><label>
```

```
  <input name="usia" type="text" id="usia" />
```

```
</label></td>
```

```
</tr>
```

```
<tr>
```

```
<td>ipk</td>
```

```
<td><label>
```

```
  <input name="ipk" type="text" id="ipk" />
```

```
</label></td>
</tr>
<td>sktm</td>
<td><input name="sktm" type="text" id="sktm" /></td>
</tr>
<tr>
<tr>
<td>yayasan</td>
<td><input name="yayasan" type="text" id="yayasan" /></td>
</tr>
<tr>
<td>ket_ber</td>
<td><input name="ket_ber" type="text" id="ket_ber" /></td>
</tr>
<tr>
<td>ket_men</td>
<td><input name="ket_men" type="text" id="ket_men" /></td>
</tr>
<tr>
<tr>
<td>kk_ktm</td>
```

```

<td><input name="kk_ktm" type="text" id="kk_ktm" /></td>
</tr>
<tr>
<td colspan="2"><label>
<input type="submit" value="SIMPAN" />
</label></td>
</tr>
</table>
</form>

```

3. MATRIKS PERHITUNGAN

```

<?php
include("config/koneksi.php"); #ini mengambil koneksi.php
echo "<h3>Bobot Kriteria DKI</h3>";

echo "<table width=900 border=1 style='border:1px solid #000; border-
collapse:collapse>" ;

#query ambil datnbvn
$judul = array();
$w = array();

$q = mysql_query("SELECT * FROM t_kriteria order by id_kriteria asc") or
die("gagal query ".mysql_error());

#simpan hasil query di array

```

```

$i = 1;
while($d = mysql_fetch_array($q)){
    $w[$i] = $d['bobot'];
    $judul[$i] = $d['kriteria'];
    $i++;
}
echo "<tr>";
for($j=1; $j<=8; $j++){
    echo "<td>$judul[$j]</td>";
}
echo "<tr>";
for($j=1; $j<=8; $j++){
    echo "<td>$w[$j]</td>";
}
echo "</tr>";
echo "</table>";

echo "<h3>Data Mahasiswa</h3>";

echo "<table width=600 border=1 style='border:1px solid #000; border-collapse:collapse'>";

echo "<tr>";

```

```
echo "<td>nim</td>";
echo "<td>nama</td>";
echo "<td>warga</td>";
echo "<td>usia</td>";
echo "<td>ipk</td>";
echo "<td>sktm</td>";
echo "<td>yayasan</td>";
echo "<td>ket_ber</td>";
echo "<td>ket_men</td>";
echo "<td>kk_ktm</td>";

echo "</tr>";

#query ambil data
$q = mysql_query("SELECT * FROM t_matrik order by NIM asc") or die("gagal
query ".mysql_error());

#simpan hasil query di array
while($d = mysql_fetch_array($q)){
echo "<tr>";

echo "<td>${d[nim]}</td>";

echo "<td>${d[nama]}</td>";

echo "<td>${d[warga]}</td>";
```

```

echo "<td>${d[usia]}</td>";
echo "<td>${d[ipk]}</td>";
echo "<td>${d[sktm]}</td>";
echo "<td>${d[yayasan]}</td>";
echo "<td>${d[ket_ber]}</td>";
echo "<td>${d[ket_men]}</td>";
echo "<td>${d[kk_ktm]}</td>";
echo "</tr>";
}
echo "</table>";

#disini buat query untuk menampilkan max

$Max = mysql_query("select max(warga) as warga , max(usia) as usia ,max(ipk) as
ipk ,max(sktm) as sktm ,max(yayasan) as yayasan ,max(ket_ber) as ket_ber
,max(ket_men) as ket_men ,max(kk_ktm) as kk_ktm FROM t_matrik") or
die("gagal query ".mysql_error());

$dMax = mysql_fetch_array($Max) ;

#Perhitungan Benefit

function nilai_benefit ($nilai_rating, $max_rating) {

$hasil = $nilai_rating / $max_rating ;

return $hasil ;

}

```

```
$Min = mysql_query("select min(warga) as warga , min(usia) as usia ,min(ipk) as ipk ,min(sktm) as sktm ,min(yayasan) as yayasan ,min(ket_ber) as ket_ber ,min(ket_men) as ket_men ,min(kk_ktm) as kk_ktm FROM t_matrik") or die("gagal query ".mysql_error());
```

```
$dMin = mysql_fetch_array($Min) ;
```

```
#Perhitungan Cost
```

```
function nilai_cost ($nilai_rating, $min_rating) {
```

```
$hasil = $min_rating / $nilai_rating ;
```

```
return $hasil ;
```

```
}
```

```
echo "<h3>Normalisasi</h3>";
```

```
echo "<table width=600 border=1 style='border: 1px solid #000; border-collapse:collapse'>" ;
```

```
echo "<tr>";
```

```
echo "<td>nim</td>";
```

```
echo "<td>nama</td>";
```

```
echo "<td>warga</td>";
```

```
echo "<td>usia</td>";
```

```
echo "<td>ipk</td>";
```

```
echo "<td>sktm</td>";
```

```
echo "<td>yayasan</td>";
```

```
echo "<td>ket_ber</td>";
```



```

echo "<td>ket_men</td>";
echo "<td>kk_ktm</td>";
echo "</tr>";

#query ambil data

$q = mysql_query("SELECT * FROM t_matrik order by NIM asc") or die("gagal
query ".mysql_error());

#simpan hasil query di array

while($d = mysql_fetch_array($q)){

echo "<tr>";

echo "<td>${d[nim]}</td>";

echo "<td>${d[nama]}</td>";

echo "<td>".nilai_benefit ($d['warga'], $dMax['warga']) ." </td>";

echo "<td>".nilai_benefit ($d['usia'], $dMax['usia']) ." </td>";

echo "<td>".nilai_cost ($d['ipk'], $dMin['ipk']) ."</td>";

echo "<td>".nilai_benefit ($d['sktm'], $dMax['sktm']) ." </td>";

echo "<td>".nilai_cost ($d['yayasan'], $dMin ['yayasan'] ) ."</td>";

echo "<td>".nilai_benefit ($d['ket_ber'], $dMax ['ket_ber'] ) ."</td>";

echo "<td>".nilai_benefit ($d['ket_men'], $dMax ['ket_men'] ) ." </td>";

echo "<td>".nilai_benefit ($d['kk_ktm'], $dMax ['kk_ktm'] ) ." </td>";

echo $dMin['ipk'];

echo "</tr>";

```

```

}
echo "</table>";

cho "<h3>Perkalian Normalisasi Dengan Bobot </h3>";

echo "<table width=600 border=1 style='border:1px solid #000; border-collapse:collapse'>" ;

echo "<tr>";

echo "<td>nim</td>";
echo "<td>nama</td>";
echo "<td>warga</td>";
echo "<td>usia</td>";
echo "<td>ipk</td>";
echo "<td>sktm</td>";
echo "<td>yayasan</td>";
echo "<td>ket_ber</td>";
echo "<td>ket_men</td>";
echo "<td>kk_ktm</td>";

echo "</tr>";

#query ambil data

$q = mysql_query("SELECT * FROM t_matrik order by NIM asc") or die("gagal query ".mysql_error());

```

```

#simpan hasil query di array
while($d = mysql_fetch_array($q)){
echo "<tr>";

echo "<td>${d[nim]}</td>";

echo "<td>${d[nama]}</td>";

echo "<td>".nilai_benefit ($d['warga'], $dMax ['warga']) * $w [1] ." </td>";

echo "<td>".nilai_benefit ($d['usia'], $dMax ['usia']) * $w [2] ." </td>";

echo "<td>".nilai_cost ($d['ipk'], $dMin ['ipk']) * $w [3]." </td>";

echo "<td>".nilai_benefit ($d['sktm'], $dMax ['sktm']) * $w [4]." </td>";

echo "<td>".nilai_cost ($d['yayanan'], $dMin ['yayanan']) * $w [5] ." </td>";

echo "<td>".nilai_benefit ($d['ket_ber'], $dMax ['ket_ber']) * $w [6]." </td>";

echo "<td>".nilai_benefit ($d['ket_men'], $dMax ['ket_men']) * $w [7]." </td>";

echo "<td>".nilai_benefit ($d['kk_ktm'], $dMax ['kk_ktm']) * $w [8] ." </td>";

echo "</tr>";
}

echo "</table>";

echo "<h3>Perangkingan </h3>";

echo "<table width=600 border=1 style='border:1px solid #000; border-collapse:collapse>" ;

echo "<tr>";

```

```

echo "<td>nim</td>";
echo "<td>nama</td>";
echo "<td>JUMLAH</td>";
echo "</tr>";

#query ambil data
$q = mysql_query("SELECT * FROM t_matrik order by nim asc") or die("gagal
query ".mysql_error());

#simpan hasil query di array
while($d = mysql_fetch_array($q)){
echo "<tr>";
echo "<td>".$d[nim]</td>";
echo "<td>".$d[nama]</td>";
echo "<td>".(
(nilai_benefit ($d['warga'], $dMax ['warga']) * $w [1] ) +
(nilai_benefit ($d['usia'], $dMax ['usia']) * $w [2] ) +
(nilai_cost ($d['ipk'], $dMin ['ipk']) * $w [3] ) +
(nilai_benefit ($d['sktm'], $dMax ['sktm']) * $w [4] ) +
(nilai_cost ($d['yayasan'], $dMin ['yayasan']) * $w [5] ) +
(nilai_benefit ($d['ket_ber'], $dMax ['ket_ber']) * $w [6] ) +
(nilai_benefit ($d['ket_men'], $dMax ['ket_men']) * $w [7] ) +
(nilai_benefit ($d['kk_ktm'], $dMax ['kk_ktm']) * $w [8] )) / 1 ." </td>";

```

```
echo "</tr>";  
}  
echo "</table>";  
?>
```

4. SAVE MAHASISWA

```
<?php  
include("config/koneksi.php"); #ini mengambil koneksi database.  
  
$nim = $_POST['nim'];  
$nama = $_POST['nama'];  
$warga = $_POST['warga'];  
$usia = $_POST['usia'];  
$ipk = $_POST['ipk'];  
$sktm = $_POST['sktm'];  
$yayasan = $_POST['yayasan'];  
$ket_ber = $_POST['ket_ber'];  
$ket_men = $_POST['ket_men'];  
$kk_ktm = $_POST['kk_ktm'];  
  
#proses simpan  
mysql_query("INSERT INTO t_matrik  
values('$nim','$nama','$warga','$usia','$ipk','$sktm','$yayasan','$ket_ber', '$ket_men',  
'$kk_ktm' )") or die("gagal simpan".mysql_error());
```

?>

5. TAMPILAN MAHASISWA

<?php

```
include("config/koneksi.php"); #ini mengambil koneksi.php
```

```
echo "<table width=600 border=1 style='border:1px solid #000; border-collapse:collapse'>";
```

```
echo "<tr>";
```

```
echo "<td>nim</td>";
```

```
echo "<td>nama</td>";
```

```
echo "<td>warga</td>";
```

```
echo "<td>usia</td>";
```

```
echo "<td>ipk</td>";
```

```
echo "<td>sktm</td>";
```

```
echo "<td>yayasan</td>";
```

```
echo "<td>ket_ber</td>";
```

```
echo "<td>ket_men</td>";
```

```
echo "<td>kk_ktm</td>";
```

```
echo "</tr>";
```

```
#query ambil data
```

```
$q = mysql_query("SELECT * FROM t_matrik order by nim asc") or die("gagal query ".mysql_error());
```

```
#simpan hasil query di array
```

```
while($d = mysql_fetch_array($q)){
```

```
echo "<tr>";
```

```
echo "<td>".$d[nim]</td>";
```

```
echo "<td>".$d[nama]</td>";
```

```
echo "<td>".$d[warga]</td>";
```

```
echo "<td>".$d[usia]</td>";
```

```
echo "<td>".$d[ipk]</td>";
```

```
echo "<td>".$d[sktm]</td>";
```

```
echo "<td>".$d[yayasan]</td>";
```

```
echo "<td>".$d[ket_ber]</td>";
```

```
echo "<td>".$d[ket_men]</td>";
```

```
echo "<td>".$d[kk_ktm]</td>";
```

```
echo "</tr>";
```

```
}
```

```
echo "</table>";
```

```
?>
```