

LAMPIRAN SOURCE CODE

SOURCE CODE METODE MOORA :

```
<div class="card shadow mb-4">
  <!-- /.card-header -->
  <div class="card-header py-3">
    <h6 class="m-0 font-weight-bold text-success"><i class="fa
fa-table"></i> Daftar Data Penilaian Moora Menentukan Beasiswa
Beasiswa</h6>
    <!-- <a href="kriteria_tambah.php" class="btn btn-
success">
<i class="fa fa-plus"></i> Tambah Data </a> -->
    <button type="button" class="btn btn-outline-
primary" data-
bs-toggle="modal" data-bs-
target="#exampleModalScrollable">Tambah
Data Penilaian Moora</button>
  </div>

  <div class="card-body">
    <table id="table_id" class="table mb-0">
      <thead>
        <tr align="center">
          <th width="5%">No</th>
          <th>Nama Siswa</th>
          <th>Nama
Kriteria</th>
          <th>Nama
Sub-
Kriteria</th>
          <th>Bobot</th>
        </tr>
      </thead>
      <tbody>
        <?php
          $nomor = 0;
          $hasil = mysql_query("SELECT
nilai.*,
          subkriteria.nama_subkriteria,
          subkriteria.bobot,
tb_alternatif.nama_alternatif,
          kriteria.nama_kriteria
FROM nilai,
          subkriteria,
          tb_alternatif,
          kriteria
where
          nilai.kode_alternatif=tb_alternatif.kode_alternatif
AND
          nilai.id_kriteria=kriteria.id_kriteria
AND
          nilai.id_subkriteria=subkriteria.id_subkriteria");
          while ($dataku =
          mysql_fetch_array($hasil)) {
            ?>
            <tr>
```

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center"><?php echo $nomor=$nomor+1;?></td>
<td><?php echo
$dataku['nama_alternatif']; ?></td>
center"><?php echo $dataku['nama_kriteria']; ?></td>
center"><?php echo $dataku['nama_subkriteria']; ?></td>
center"><?php echo $dataku['bobot']; ?></td>
</tr>
<?php } ?>
</tbody>
</table>
</div>
</div>
<!-- Modal -->
<div class="modal fade" id="exampleModalScrollable" tabindex="-1" aria-
labelledby="exampleModalScrollableTitle" aria-hidden="true">
<div class="modal-dialog modal-dialog-scrollable">
<div class="modal-content">
<div class="modal-header">
<h5 class="modal-title"
id="exampleModalScrollableTitle">Tambah Data Penilaian</h5>
<button type="button" class="btn-close" data-
bs-dismiss="modal" aria-label="Close"></button>
</div>
<div class="modal-body">
<form name="form1" class="form-horizontal"
method="post" role="form">
<div class="modal-body">
<div class="mb-1">
<label class="font-weight-bold">NAMA
SISWA</label>
<select required
name='kode_alternatif' id='kode_alternatif' class='required select
form-control' onchange='showtb_alternatif()' required data-
placeholder="PILIH tb_alternatif">
<option value=''></option>
<?php

```

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                                $stampil=mysql_query("SELECT * FROM
tb_alternatif WHERE hak_akses='siswa' AND jenis_basiswa='bantuan'
ORDER BY kode_alternatif asc");

while($r=mysql_fetch_array($stampil)){
                                echo                                "<option
value=$r[kode_alternatif]>$r[kode_alternatif]|$r[nama_alter
natif]</option>";
                                }
                                ?>
                                </select>
                                </div>

                                <?php
                                $q=mysql_query("SELECT * FROM
kriteria ORDER BY id_kriteria");
                                while($r2=mysql_fetch_array($q))
                                {
                                        $no=1;
                                        $kriteria="kriteria".$no;
                                        $nilai="nilai".$no;
                                        ?>
                                        <div class="mb-1">
                                                <input type="hidden" name="kriteria[]"
value="<?php echo $r2['id_kriteria'] ?>" />
                                                <label class="font-weight-bold"><?php echo
$r2["nama_kriteria"]; ?></label>
                                                <select name="nilai[]" data-
placeholder="<?php echo "Pilih ".$r2['nama_kriteria']." ..."
?>" class="required select form-control" required>
                                                        <option></option>
                                                        <?php
subkriteria where id_kriteria='$r2[id_kriteria]' order by bobot DESC";
                                                        $hasil =
mysql_query($query);
                                                        while ($data =
mysql_fetch_array($hasil))
                                                                {
                                                                        echo                                "<option
value='".$data['id_subkriteria']."' -
".$data['bobot']."'>".$data['nama_subkriteria']."</option>"
;
                                                                }
                                                        ?>
                                </select>

```

```

        </div>
        <?php
            $no++;
        }

        ?>
    </div>

    <div class="card-footer text-right">
        <button name="simpan" type="submit" class="btn btn-
success"><i class="fa fa-save"></i> Simpan</button>
        <button type="reset" class="btn btn-info"><i class="fa
fa-sync-alt"></i> Reset</button>
    </div>
</form>
</div>

</div>
</div>
<!-- end modal -->
</div>
<?php
if (isset($_POST['simpan'])) {
    mysql_query("DELETE FROM nilai WHERE
kode_alternatif='$_POST[kode_alternatif]'");

    $jml_kriteria=mysql_num_rows(mysql_query("SELECT * FROM kriteria"));
    //echo $jml_kriteria;
    for ($i=0; $i <$jml_kriteria ; $i++) {
        $kriteria = $_POST["kriteria"];
        $nilai = $_POST["nilai"];
        $data = explode("-", $nilai[$i]);
        $kode_alternatif =
$_POST['kode_alternatif'];

        $sql = "insert into nilai values ('','$kode_alternatif',
'$kriteria[$i]',
'$data[0]', '$data[1]')";
        $query = mysql_query($sql) or die(mysql_error());
    }

    if ($query) {
        echo "<script>window.alert('Nilai berhasil ditambah!');

```

```
window.location=(href='?page=penilaianmoora/view')</script> ";  
    }}  
?>
```

Lampiran 3 Source Code Metode MOORA



SOURCE CODE METODE ANP :

```
<div class="col-12">
<div class="card">
    <div class="card-header">
        <h4 class="card-
title">Penilaian Bobot Kriteria Menentukan Beasiswa
Prestasi</h4>
    </div>

<div class="card-body">

<form class="form-inline">
    <input type="hidden" name="page"
value="penilaianp/rel_kriteria" />
    <div class="form-group">
        <select class="form-control" name="kode_alternatif"
onchange="this.form.submit()">
            <option value="">Pilih alternatif</option>

<?=get_alternatif_option($_GET['kode_alternatif'])?>
        </select>
    </div>
</form>
<br>
<?php if($_POST) include'aksi.php' ?>
<br>
<form class="form-inline" method="post"
action="?page=penilaianp/rel_kriteria&kode_alternatif=<?=$_
_GET['kode_alternatif']?>">
    <input type="hidden" name="page" value="rel_kriteria" />
    <div class="form-group">
        <select class="form-control" name="kode1">
            <?=get_kriteria_option($_POST['kode1'])?>
        </select>
    </div>
    <br>
    <div class="form-group">
        <select class="form-control" name="nilai">
            <?=get_nilai_option($_POST['nilai'])?>
        </select>
    </div>
    <br>
    <div class="form-group">
        <select class="form-control" name="kode2">
            <?=get_kriteria_option($_POST['kode2'])?>
        </select>
    </div>
</form>
</div>
</div>
```

```

        </select>
    </div>
    <br>
    <div class="form-group">
        <button class="btn btn-primary"><span
class="glyphicon glyphicon-edit"></span> Ubah</a>
    </div>
</form>

</div>
</div>
</div>
<!-- hasil -->
<div class="col-12">
<div class="card">
    <div class="card-header">
        <h4 class="card-
title">Hasil Ubah Bobot Kriteria</h4>
    </div>
<div class="card-body">
<?php
$data = get_relkriteria($_GET['kode_alternatif']); if($data):

    $baris_total = get_total_kolom($data);
    $normal = get_normalize($data, $baris_total);
    $rata = get_rata($normal);

    foreach($rata as $key => $val){
        $db->query("REPLACE INTO tb_alt_krit
(kode_alternatif, kode_kriteria, nilai)
VALUES ('$_GET[kode_alternatif]', '$key',
'$val')");
    }

    $cm = get_consistency_measure($data, $rata);
    $SCI = ((array_sum($cm)/count($cm))-
count($cm))/(count($cm)-1);
    $RI = $nRI[count($data)];
    $CR = ($RI==0) ? 0 : $SCI/$RI;
    if($CR > 0.1):?>
<div class="panel-body">
    <?=print_msg('Perbandingan yang anda inputkan tidak
konsisten. Pastikan mengisi perbandingan dengan sesuai supaya maksimal
nilai CR 0.1.')?>

```

```

</div>
<?php endif?>
<div class="table-responsive">
  <table class="table table-bordered table-hover
table-striped">
    <thead>
      <tr class="text-primary">
        <th>Kode</th>
        <?php foreach($data as $key=>$val):?>
          <th><?=$key?></th>
        <?php endforeach?>
      </tr>
    </thead>
    <?php foreach($data as $key => $val):?>
      <tr>
        <th class="text-primary"><?=$key?></th>
        <?php foreach($val as $k => $v):?>
          <td><?=round($v, 3)?></td>
        <?php endforeach?>
      </tr>
    <?php endforeach?>
  </table>
</div>
<div class="panel-body">
</div>
<div class="table-responsive">
  <table class="table table-bordered table-hover
table-striped">
    <thead>
      <tr>
        <th>Kode</th>
        <?php foreach($data as $key => $val):?>
          <th><?=$key?></th>
        <?php endforeach?>
        <th>Bobot</th>
        <th>CM</th>
      </tr>
    </thead>
    <?php foreach($normal as $key => $val):?>
      <tr>
        <th><?=$key?></th>
        <?php foreach($val as $k => $v ):?>
          <td><?=round($v, 3)?></td>
        <?php endforeach?>
        <td><?=round($rata[$key], 3)?></td>
        <td><?=round($cm[$key], 3)?></td>
      </tr>
    <?php endforeach?>
  </table>
</div>

```



```

        </tr>
        <?php endforeach;?>
    </table>
</div>
<br>
<div class="panel-body">
<?php
    echo "<p>Consistency Index: ".round($CI, 3)."<br />";

    echo "Ratio Index: ".round($RI, 3)."<br />"; echo
    "Consistency Ratio: ".round($CR, 3); if($CR>0.10){
        echo " (Tidak konsisten)<br />";
    } else {
        echo " (Konsisten)<br />";
    }
    ?>
</div>
<?php endif?>

</div>
</div>
</div>
<!-- end hasil -->

```

Lampiran 4 Source Code Metode ANP