

BAB V PENUTUP

5.1 Kesimpulan

Berdasarkan uraian dan pembahasan pada bab-bab sebelumnya, maka dari penelitian Sistem Pendukung Keputusan untuk Proses Pengangkatan Karyawan Tetap di PT. Dua Empat Tujuh Menggunakan Metode AHP dan SAW ini dapat diambil kesimpulan sebagai berikut.

1. Sistem pendukung keputusan untuk penentuan karyawan kontrak yang akan diangkat sebagai karyawan tetap ini layak digunakan karena memiliki tingkat akurasi 88,9%.
2. Kombinasi metode AHP dan SAW mampu menjadi solusi dalam permasalahan penentuan karyawan kontrak yang akan diangkat sebagai karyawan tetap.

5.2 Saran

Untuk pengembangan penelitian selanjutnya, penulis menyarankan beberapa hal berikut:

1. Mengembangkan sistem ini dalam bentuk aplikasi *mobile* sehingga lebih mudah diakses.
2. Menambahkan menu untuk cetak hasil analisa dan pengiriman melalui *email*.

DAFTAR PUSTAKA

- Kajian Pustaka. Sistem Pendukung Keputusan (SPK). Diakses pada 26 Maret 2019, dari www.kajianpustaka.com
- Lutfi Mardiansyah, Sri Hartini, Wiwik Budiawan. 2014. Perancangan Sistem Pendukung Keputusan untuk Pemilihan Supplier Batik menggunakan Algoritma Analytical Hierarchy Process (AHP). Jurnal. Semarang: Universitas Diponegoro.
- Manda Rohandi, Moh. Yusuf Tuloli, M. R. Thohir Jassin. 2017. Sistem Pendukung Keputusan dalam Penentuan Prioritas Pengembangan Kawasan Wisata Bawah Laut. Jurnal. Yogyakarta: Universitas Gadjah Mada.
- Nofriansyah, Dicky. 2014. Konsep Data Mining Vs Sistem Pendukung Keputusan. Yogyakarta : Deepublish.
- Saaty, Thomas L. 1990. The Analytic Hierarchy Process: Planning, Priority Setting, Resource Allocation. Pittsburgh: University of Pittsburgh Pers.
- Sparague, R. H. and Watson H. J. 1993. Decision Support Systems: Putting Theory Into Practice. Englewood Clifts, N. J., Prentice Hall.
- Syafruddin Agustian Putra, Nurul Hidayat, Lailil Muflikhah. 2017. Rekomendasi Pemilihan Properti Kota Malang Menggunakan Metode AHP-SAW. Skripsi. Malang: Universitas Brawijaya.
- Syaifullah. Pengenalan Analytical Hierarchy Process. Diakses pada 26 Maret 2019, dari syaifullah08.files.wordpress.com
- Subandi Wahyudi, Heri Suheri, Thoha Nurhadian. 2015. Implementasi Sistem Keputusan Pengangkatan Karyawan Tetap PT. Imanuel Surya Utama menggunakan Metode SAW. Jurnal. Serang: Universitas Serang Raya.
- Theresya Margharetha Panjaitan, Drs. Mahmud Imrona, MT, Annisa Aditsania, M.Si. 2018. Penentuan Prioritas Perbaikan Jalan dengan Menggunakan Metode AHP di Wilayah Kabupaten Serdang Bedagai Sumatera Utara. Skripsi. Bandung: Universitas Telkom.
- Turban, E. 1995. Decision Support System and Expert Systems. Prentice Hall International. United State.

LAMPIRAN

Lampiran A Biodata Peneliti

Nama Lengkap : Ira Putri Ta'ashi
NIM : 16122001
Alamat Asal : Dsn. Dawung no. 54, Selomartani, Kalasan
Sleman, DI Yogyakarta
Alamat di Yogyakarta : Dsn. Dawung no. 54, Selomartani, Kalasan
Sleman, DI Yogyakarta
No. HP : 081217506123
Email : iraputri93@gmail.com

Lampiran B Scan Dokumen Bimbingan Skripsi



Program Studi Sistem Informasi
Fakultas Teknologi Informasi
Universitas Mercu Buana Yogyakarta

Tgl. Mulai Skripsi : 11 Maret 2019
 Tgl. Batas Akhir Skripsi : 22 Juli 2019

LEMBAR KONSULTASI SKRIPSI

Nama : Ira Putri Tatashi
 NIM : 16122001
 Judul Skripsi : Sistem Pendukung Keputusan untuk Proses Pengangkatan Karyawan Tetap di PT. Oza Empat Tujuh
 Dosen Pembimbing : Anief Fauzan Rizki, S.Kom, M.Ts.

Tanggal	Catatan/Saran/Perbaikan	Paraf Pembimbing
19-03-2019	- metode ahp dan saw dikombinasikan - Laporan Bireview pada kabinan selanjutnya - setelah perhitungan pada laporan af. lanjut Babel aplikasi	
30-04-2019	- kabinan akan rekrutmen sampai pengangkatan (flow) - selakan siklus hidup, perhitungan - lengkapi Laporan	
21-07-2019	- revisi Laporan	

Yogyakarta, 27 Juli 2019
 Menyetujui Pendaran,
 Dosen Pembimbing,

Lampiran C Artifak/Data Penelitian

Data kriteria

ID Kriteria	Nama kriteria
K01	Kinerja
K02	Potensi
K03	Inisiatif dan kreativitas
K04	Tanggung jawab
K05	Teamwork
K06	Loyalitas
K07	Kejujuran
K08	Disiplin
K09	Masa kerja

Periode	201402 - 21802								
	K1	K2	K3	K4	K5	K6	K7	K8	K9
K1	1	6	5	3	2	5	9	7	3
K2	0,17	1	6	4	6	9	9	7	3
K3	0,2	0,17	1	6	5	8	9	7	2
K4	0,33	0,25	0,17	1	0,2	1	5	1	0,33
K5	0,5	0,17	0,2	5	1	2	5	4	0,25
K6	0,2	0,11	0,13	1	0,5	1	3	0,5	1
K7	0,11	0,11	0,11	0,2	0,2	0,33	1	0,25	0,2
K8	0,14	0,14	0,14	1	0,25	2	4	1	0,33
K9	0,33	0,33	0,5	3	4	1	5	3	1

Data alternatif

Periode	201402								
K/A	K01	K02	K03	K04	K05	K06	K07	K08	K09
Febri	9	8	7	8	7	9	7	8	9
Nanda	8	8	7	8	8	8	7	7	7
Dea	8	8	6	8	8	9	7	7	7
Hendra	8	8	6	8	8	8	7	7	7
Putri	7	7	7	7	7	7	7	7	7

Periode	201501								
K/A	K01	K02	K03	K04	K05	K06	K07	K08	K09
Dea	8	8	6	8	8	9	7	7	7
Amanda	7	7	7	7	7	6	7	8	7
Sarah	5	6	5	5	5	5	6	6	5
Awan	3	7	2	6	6	6	6	6	8

Periode	201502								
K/A	K01	K02	K03	K04	K05	K06	K07	K08	K09
Budi	8	8	8	8	8	6	7	6	7
Indri	7	6	6	8	7	6	8	6	5
Hayu	7	6	6	8	7	6	7	6	6
Reza	8	6	6	5	7	6	7	6	6
Dita	7	6	6	5	7	8	7	7	6

Periode	201601								
K/A	K01	K02	K03	K04	K05	K06	K07	K08	K09
Haris	9	8	7	8	6	7	7	6	6
Andra	7	6	6	8	6	7	7	8	7
Kiki	7	6	7	6	7	5	7	6	7
Raka	7	6	6	8	6	7	7	5	7
Adrian	7	6	6	8	8	7	7	7	5

Periode	201602								
K/A	K01	K02	K03	K04	K05	K06	K07	K08	K09
Pratama	8	7	7	7	7	6	7	5	6
Andri	7	6	6	8	6	7	7	8	7
Nugroho	7	7	7	7	7	7	7	7	5
Andin	7	7	5	7	8	7	7	8	5
Nita	7	7	5	7	7	7	7	8	5
Windi	7	6	7	7	7	6	7	7	5

Periode	201701								
K/A	K01	K02	K03	K04	K05	K06	K07	K08	K09
Bima	8	9	8	8	8	6	7	7	7
Rivan	7	7	6	6	6	6	7	7	8
Rangga	8	8	8	8	8	6	7	7	7
Caca	8	9	7	8	8	6	7	7	7
Erza	8	9	8	6	8	6	7	7	7

Periode	201702								
K/A	K01	K02	K03	K04	K05	K06	K07	K08	K09
Rangga	8	8	8	8	8	6	7	7	7
Susan	7	6	6	8	6	7	7	8	7
Agung	7	7	7	7	7	7	7	7	5
Vanda	7	6	6	7	6	7	7	7	7
Galih	7	6	6	8	6	5	7	8	6

Periode	201801								
K/A	K01	K02	K03	K04	K05	K06	K07	K08	K09
Septa	7	7	7	8	9	10	8	7	10
Jani	7	8	6	6	6	7	7	7	7
Susan	7	6	6	8	6	7	7	8	7
Hila	7	7	6	6	6	7	7	7	6
Bayu	7	6	7	6	7	6	6	6	6
Okta	7	7	6	6	6	8	7	7	6

Periode	201802								
K/A	K01	K02	K03	K04	K05	K06	K07	K08	K09
Aulia	7	8	6	8	8	8	7	7	6
Tania	8	7	7	7	7	6	7	5	7
Hila	7	7	6	6	6	7	7	7	6
Arianto	7	6	7	6	7	5	7	6	6
Bayu	7	6	7	6	7	6	6	6	6

Lampiran D Kode Program

Model m_bobot_alternatif.php

```
<?php
class M_bobot_alternatif extends CI_Model{
    function show_data(){
        $sql = "select id_alternatif, nama_alternatif, tgl_masuk,
status from m_alternatif where status = 'Kontrak' order by
id_alternatif";
        $query = $this->db->query($sql);
        return $query;
    }

    function getAlt()
    {
        $sql = "select id_alternatif, nama_alternatif, tgl_masuk,
status from m_alternatif where status = 'Kontrak' order by
id_alternatif";
        $query = $this->db->query($sql);
        return $query->result();
    }

    function check_periode($id) {
        $sql = "select periode, a.id_alternatif, nama_alternatif, ntp
from hasil a left join m_alternatif b on a.id_alternatif =
b.id_alternatif where periode = ? order by id_alternatif";
        $query = $this->db->query($sql, array($id));
        return $query;
    }

    function insert_b_alternatif($data)
    {
        $this->db->insert('b_alternatif', $data);
    }

    function delete_b_alternatif($periode) {
        $this->db->where('periode', $periode);
        $this->db->delete('b_alternatif');
    }

    function get_b_alternatif($periode){
        $sql = "select periode, id_alternatif, id_kriteria,
trim(round(nilai, 3))+0 nilai from b_alternatif where periode = ?";
        $query = $this->db->query($sql, array($periode))->result();
        return $query;
    }

    function get_krit($periode){
        $sql = "select distinct a.id_kriteria, nama_kriteria from
matriks_pb_n2 a left join m_kriteria b on a.id_kriteria = b.id_kriteria
where periode = ? order by id_kriteria";
        $query = $this->db->query($sql, array($periode))->result();
        return $query;
    }
}
```



```

function get_alt($periode){
    $sql = "select distinct a.id_alternatif, nama_alternatif from
b_alternatif a left join m_alternatif b on a.id_alternatif =
b.id_alternatif where periode = ? order by id_alternatif";
    $query = $this->db->query($sql, array($periode))->result();
    return $query;
}

function update($periode, $id_alternatif, $id_kriteria, $nilai)
{
    $sql = "update b_alternatif set nilai = ? where periode = ? and
id_alternatif = ? and id_kriteria = ?";
    $this->db->query($sql, array($nilai, $periode, $id_alternatif,
$id_kriteria));
}

function normalisasi($periode) {
    $this->db->query("truncate table tmp_max_alt");
    $sql1 = "insert into tmp_max_alt select id_kriteria, max(nilai)
from b_alternatif where periode = ? group by id_kriteria;";
    $this->db->query($sql1, array($periode));

    $sql2 = "insert into b_alternatif_n select a.periode,
a.id_alternatif, a.id_kriteria, a.nilai/b.nilai from b_alternatif a,
tmp_max_alt b where a.id_kriteria = b.id_kriteria and periode = ? group
by a.id_alternatif, a.id_kriteria;";
    $this->db->query($sql2, array($periode));

    $this->db->query("truncate table nilai_preferensi");
    $sql3 = "insert into nilai_preferensi select a.periode,
a.id_alternatif, a.id_kriteria, a.nilai*b.np from b_alternatif_n a,
matriks_pb_n2 b where a.periode = b.periode and a.id_kriteria =
b.id_kriteria and a.periode = ?;";
    $this->db->query($sql3, array($periode));

    $sql4 = "delete from hasil where periode = ?;";
    $this->db->query($sql4, array($periode));

    $sql5 = "insert into hasil select periode, id_alternatif,
sum(nilai), sysdate(), 'SYSTEM' from nilai_preferensi where periode
= ? group by periode, id_alternatif;";
    $this->db->query($sql5, array($periode));
}
}

```

Model m_bobot_kriteria.php

```

<?php
class M_bobot_kriteria extends CI_Model{
    function show_data(){
        return $this->db->get('m_alternatif');
    }

    function getKrit()
    {
        $query=$this->db->get('m_kriteria');
    }
}

```

```

        return $query->result();
    }

    function check_periode($id) {
        $sql = "select periode, a.id_kriteria, nama_kriteria, np from
matriks_pb_n2 a left join m_kriteria b on a.id_kriteria = b.id_kriteria
where periode = ? order by id_kriteria";
        $query = $this->db->query($sql, array($id));
        return $query;
    }

    function insert_matriks_pb($data)
    {
        $this->db->insert('matriks_pb', $data);
    }

    function delete_matriks_pb($periode) {
        $this->db->where('periode', $periode);
        $this->db->delete('matriks_pb');
    }

    function get_matriks_pb($periode) {
        $sql = "select periode, x, y, trim(round(nilai, 3))+0 nilai from
matriks_pb where periode = ?";
        $query = $this->db->query($sql, array($periode))->result();
        return $query;
    }

    function get_krit($periode) {
        $sql = "select distinct periode, x, nama_kriteria from
matriks_pb a left join m_kriteria b on a.x = b.id_kriteria where periode
= ? order by x;";
        $query = $this->db->query($sql, array($periode))->result();
        return $query;
    }

    function update($periode, $x, $y, $nilai) {
        $sql = "update matriks_pb set nilai = ? where periode = ? and
x = ? and y = ?";
        $this->db->query($sql, array($nilai, $periode, $x, $y));
        $this->db->query($sql, array((1/$nilai), $periode, $y, $x));
    }

    function normalisasi($periode) {
        $this->db->query("truncate table tmp_sum_mpb");
        $sql1 = "insert into tmp_sum_mpb select periode, x, sum(nilai)
from matriks_pb where periode = ? group by periode, x;";
        $this->db->query($sql1, array($periode));

        $this->db->query("truncate table matriks_pb_n1");
        $sql2 = "insert into matriks_pb_n1 (periode, x, y, nilai) select
a.periode, a.x, a.y, a.nilai/b.nilai from matriks_pb a, tmp_sum_mpb
b where a.periode = b.periode and a.x = b.x;";
        $this->db->query($sql2);

        $this->db->query("truncate table matriks_pb_n2");
    }

```

```

        $sql3 = "insert into matriks_pb_n2 (periode, id_kriteria, ns,
        tgl_analisa, analisa_by) select periode, y, sum(nilai), sysdate(),
        'SYSTEM' from matriks_pb_n1 group by y, sysdate(), 'SYSTEM';";
        $this->db->query($sql3);
    }

    function get_nilai($periode, $x){
        $sql = "select nilai from matriks_pb_n1 where periode = ? and
        y = ?";
        $query = $this->db->query($sql, array($periode, $x));
        return $query;
    }

    function update_ne($periode, $x, $nilai, $no) {
        $sql1 = "update matriks_pb_n2 set ne = pow(?, (1/?)) where
        periode = ? and id_kriteria = ?";
        $this->db->query($sql1, array($nilai, $no, $periode, $x));
    }

    function get_sum_ne($periode){
        $sql = "select sum(ne)sne from matriks_pb_n2 where periode = ?";
        $query = $this->db->query($sql, array($periode));
        return $query->row()->sne;
    }

    function update_np_nk($periode, $sum_ne, $x) {
        $sql1 = "update matriks_pb_n2 set np = ne/? where periode = ?
        and id_kriteria = ?";
        $this->db->query($sql1, array($sum_ne, $periode, $x));

        $sql2 = "update matriks_pb_n2 set nk = ns/np";
        $this->db->query($sql2);
    }

    function cek_cr($periode, $size){
        $sql = "select ((sum(nk)/?) - ?) / (? - 1) / (
            case
                when ? in (1, 2) then 0
                when ? = 3 then 0.5799
                when ? = 4 then 0.8921
                when ? = 5 then 1.1159
                when ? = 6 then 1.2358
                when ? = 7 then 1.3322
                when ? = 8 then 1.3952
                when ? = 9 then 1.4537
                when ? = 10 then 1.4882
                when ? = 11 then 1.5117
                when ? = 12 then 1.5356
                when ? = 13 then 1.5571
                when ? = 14 then 1.5714
                when ? = 15 then 1.5861
            end
        ) cr from matriks_pb_n2 where periode = ?";
        $query = $this->db->query($sql, array($size, $size, $size,
        $size, $size, $size, $size, $size, $size, $size, $size,
        $size, $size, $size, $size, $periode));
    }

```

```

        return $query->row()->cr;
    }

    function clear_table($periode) {
        $sql = "delete from matriks_pb_n2 where periode = ?";
        $this->db->query($sql, array($periode));
    }
}

```

View bobot_alternatif.php

```

<?php
$this->load->view('template/head');
?>

<!--tambahkan custom css disini-->
<!-- iCheck -->
<link href="<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/iCheck/flat/blue.css') ?>"
rel="stylesheet" type="text/css" />
<!-- Morris chart -->
<link href="<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/morris/morris.css') ?>"
rel="stylesheet" type="text/css" />
<!-- jvectormap -->
<link href="<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/jvectormap/jquery-jvectorm
ap-1.2.2.css') ?>" rel="stylesheet" type="text/css" />
<!-- Date Picker -->
<link href="<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/datepicker/datepicker3.css
') ?>" rel="stylesheet" type="text/css" />
<!-- Daterange picker -->
<link href="<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/daterangepicker/daterangepe
icker-bs3.css') ?>" rel="stylesheet" type="text/css" />

<!-- Tell the browser to be responsive to screen width -->
<meta content="width=device-width, initial-scale=1, maximum-scale=1,
user-scalable=no" name="viewport">
<!-- Bootstrap 3.3.7 -->
<link rel="stylesheet" href="<?php echo
base_url('assets/AdminLTE-2.0.5/bower_components/bootstrap/dist/cs
s/bootstrap.min.css') ?>">
<!-- Font Awesome -->
<link rel="stylesheet" href="<?php echo
base_url('assets/AdminLTE-2.0.5/bower_components/font-awesome/css/
font-awesome.min.css') ?>">
<!-- Ionicons -->
<link rel="stylesheet" href="<?php echo
base_url('assets/AdminLTE-2.0.5/bower_components/Ionicons/css/ioni
cons.min.css') ?>">
<!-- DataTables -->

```

```

<link          rel="stylesheet"          href="<?php          echo
base_url('assets/AdminLTE-2.0.5/bower_components/datatables.net-bs
/css/dataTables.bootstrap.min.css') ?>">
<!-- iCheck for checkboxes and radio inputs -->
<link          rel="stylesheet"          href="<?php          echo
base_url('assets/AdminLTE-2.0.5/plugins/iCheck/all.css') ?>">
<!-- Theme style -->
<link          rel="stylesheet"          href="<?php          echo
base_url('assets/AdminLTE-2.0.5/dist/css/AdminLTE.min.css') ?>">
<!-- AdminLTE Skins. Choose a skin from the css/skins
folder instead of downloading all of them to reduce the load. -->
<link          rel="stylesheet"          href="<?php          echo
base_url('assets/AdminLTE-2.0.5/dist/css/skins/_all-skins.min.css'
) ?>">

<?php
$this->load->view('template/topbar');
$this->load->view('template/sidebar');
$this->load->library('session');
?>

<?php
    if($this->session->flashdata('message')){
    ?>
<script>alert ("<?php
$this->session->flashdata('message') ?>")</script>          echo
<?php
    }
?>

<!-- Content Header (Page header) -->
<section class="content-header">
    <h1>
        Nilai Bobot Alternatif
    </h1>
    <ol class="breadcrumb">
        <li><a href="#"><i class="fa fa-dashboard"></i> Home</a></li>
        <li class="active">Nilai Bobot Alternatif</li>
    </ol>
</section>

<!-- Main content -->

<section class="content">
    <div class="row">
        <!-- left column -->
        <div class="col-md-4">
            <!-- general form elements -->
            <div class="box box-success col-md-4">
                <div class="box-header with-border">
                    <h3 class="box-title">Pilih Periode</h3>
                </div>
                <!-- /.box-header -->
                <!-- form start -->

```

```

        <div class="box-body">
            <!-- select -->
            <div class="row">
                <div class="col-md-6">
                    <div class="form-group">
                        <label>Tahun</label>
                        <select          name="tahun"          id="tahun"
class="form-control">
                            <?php
                                for ($i = 2014; $i <= 2020; $i++) {
                                    echo                                "<option
value=".$i.">".$i."</option>";
                                }
                            ?>
                        </select>
                    </div>
                </div>
                <div class="col-md-6">
                    <div class="form-group">
                        <label>Semester</label>
                        <select          name="semester"      id="semester"
class="form-control">
                            <option value="01">1</option>
                            <option value="02">2</option>
                        </select>
                    </div>
                </div>
            </div>
            <!-- /.box-body -->

            <div class="box-footer" align="right">
                <button          id="b_cari"          class="btn
btn-primary">Cari</button>
            </div>
        </div>
    <!-- /.box -->
</div>
<!--/.col (left) -->
<!-- right column -->

<!-- /.row -->
</section>
<!-- /.content -->

<!-- Main content -->
<section class="content" id="hasil">
    <div class="box box-success">
        <div class="box-header">
            <h3 class="box-title">Nilai Bobot Alternatif</h3>
        </div>
        <!-- /.box-header -->
        <div class="box-body">
            <table          id="example2"          class="table          table-bordered
table-striped">

```

```
| No | Periode | ID Alternatif | Nama Alternatif | Nilai Total Preferensi |
| --- | --- | --- | --- | --- |

```

```

</tbody>
</table>
</div>
<!-- /.box-body -->
</div>
</section><!-- /.content -->

<section class="content" id="new_pembobotan" name="new_pembobotan">
<div class="row">
<!-- left column -->
<div class="col-md-6">
<!-- general form elements -->
<div class="box box-success col-md-6">
<div class="box-header">
<h3 class="box-title">Pilih alternatif untuk mulai
pembobotan baru</h3>
</div>
<!-- /.box-header -->
<!-- form start -->
<div class="box-body">
<!-- select -->
<form role="form" action="<?php echo
base_url('bobot_alternatif/insert'); ?>" id="newPembobotan"
method="POST" name="newPembobotan">
<input type="hidden" id="periode" name="periode">
<table class="table table-striped table-bordered"
id="table_report">
 No | ID Alternatif | Nama | Action |

```

```

                                echo "
                                <td align=center>". $no++."</td>
                                <td
align=center>". $d->id_alternatif."</td>
                                <td>". $d->nama_alternatif."</td>
                                <td align=center><input
type='checkbox'          class='checkbox1'          id='id_alternatif'
name='check_a[]' value='". $d->id_alternatif."'></td>
                                </tr>";
                                }
                                ?>
                                </tbody>
                                </table>
                                <!-- checkbox -->
                                <div class="box-footer" align="right">
                                <button          class="btn          btn-primary">Mulai
Pembobotan</button>
                                </div>
                                </form>
                                <!-- /.box-body -->

                                </div>
                                <!-- /.box -->
                                </div>
                                <!--/.col (left) -->
                                <!-- right column -->

                                <!-- /.row -->
                                </section>
                                <!-- /.content -->

<?php
$this->load->view('template/js');
?>

<!--tambahkan custom js disini-->
<!-- Bootstrap 3.3.7 -->
<script          src="<?php          echo
base_url('assets/AdminLTE-2.0.5/bower_components/bootstrap/dist/js
/bootstrap.min.js') ?>"></script>
<!-- DataTables -->
<script          src="<?php          echo
base_url('assets/AdminLTE-2.0.5/bower_components/datatables.net/js
/jquery.dataTables.min.js') ?>"></script>
<script          src="<?php          echo
base_url('assets/AdminLTE-2.0.5/bower_components/datatables.net-bs
/js/dataTables.bootstrap.min.js') ?>"></script>
<!-- iCheck 1.0.1 -->
<script          src="<?php          echo
base_url('assets/AdminLTE-2.0.5/pluguns/iCheck/ichack.min.js') ?>"
></script>

<script>
$(function () {

```



```

        $('#hasil').hide();
        $('#new_pembobotan').hide();
    })

$(document).ready(function() {
    $('#b_cari').click(function () {
        $('#hasil').show();
        var tahun = document.getElementById("tahun").value;
        var semester = document.getElementById("semester").value;
        var periode = tahun + semester;
        //alert(periode);
        document.getElementById("periode").value = periode;

        var table = $('#example2').DataTable();
        table.destroy();

        $('#example2').DataTable({
            'ajax': {
                url : "<?php echo
site_url('bobot_alternatif/check_periode/') ?>/"+periode,
                type : 'GET',
                "dataSrc": function(res){
                    var count = res.data.length;
                    if (count == 0){
                        $('#hasil').hide();
                        alert("Data periode ini tidak ditemukan.
Silakan mulai pembobotan baru atau pilih periode lain.")
                        $('#new_pembobotan').show();
                    }else{
                        $('#new_pembobotan').hide();
                    }
                    return res.data;
                }
            }
        });

        $("#b_mulai").click(function () {
            var addressValue = $(this).attr("href");
            alert(addressValue );
            $(this).attr("href", addressValue);
        });
    });

    //iCheck for checkbox and radio inputs
    $('#input[type="checkbox"].minimal,
input[type="radio"].minimal').iCheck({
        checkboxClass: 'icheckbox_minimal-blue',
        radioClass : 'iradio_minimal-blue'
    })
</script>

<?php
$this->load->view('template/foot');
?>

```

View bobot_alternatif_add.php

```
<?php
$this->load->view('template/head');
?>

<!--tambahkan custom css disini-->
<!-- iCheck -->
<link href="<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/iCheck/flat/blue.css') ?>"
rel="stylesheet" type="text/css" />
<!-- Morris chart -->
<link href="<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/morris/morris.css') ?>"
rel="stylesheet" type="text/css" />
<!-- jvectormap -->
<link href="<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/jvectormap/jquery-jvectorm
ap-1.2.2.css') ?>" rel="stylesheet" type="text/css" />
<!-- Date Picker -->
<link href="<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/datepicker/datepicker3.css
') ?>" rel="stylesheet" type="text/css" />
<!-- Daterange picker -->
<link href="<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/daterangepicker/daterangepe
icker-bs3.css') ?>" rel="stylesheet" type="text/css" />

<!-- Tell the browser to be responsive to screen width -->
<meta content="width=device-width, initial-scale=1, maximum-scale=1,
user-scalable=no" name="viewport">
<!-- Bootstrap 3.3.7 -->
<link rel="stylesheet" href="<?php echo
base_url('assets/AdminLTE-2.0.5/bower_components/bootstrap/dist/cs
s/bootstrap.min.css') ?>">
<!-- Font Awesome -->
<link rel="stylesheet" href="<?php echo
base_url('assets/AdminLTE-2.0.5/bower_components/font-awesome/css/
font-awesome.min.css') ?>">
<!-- Ionicons -->
<link rel="stylesheet" href="<?php echo
base_url('assets/AdminLTE-2.0.5/bower_components/Ionicons/css/ioni
cons.min.css') ?>">
<!-- DataTables -->
<link rel="stylesheet" href="<?php echo
base_url('assets/AdminLTE-2.0.5/bower_components/datatables.net-bs
/css/dataTables.bootstrap.min.css') ?>">
<!-- iCheck for checkboxes and radio inputs -->
<link rel="stylesheet" href="<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/iCheck/all.css') ?>">
<!-- Theme style -->
<link rel="stylesheet" href="<?php echo
base_url('assets/AdminLTE-2.0.5/dist/css/AdminLTE.min.css') ?>">
<!-- AdminLTE Skins. Choose a skin from the css/skins
folder instead of downloading all of them to reduce the load. -->
```

```

<link          rel="stylesheet"          href="<?php          echo
base_url('assets/AdminLTE-2.0.5/dist/css/skins/_all-skins.min.css'
) ?>">

<?php
$this->load->view('template/topbar');
$this->load->view('template/sidebar');
$this->load->library('session');
?>

<?php
    if($this->session->flashdata('message')){
        ?>
        <script>alert("<?php          echo
$this->session->flashdata('message') ?>")</script>
        <?php }?>

<section class="content-header">
    <h1>
        Pembobotan Alternatif Baru
    </h1>
    <ol class="breadcrumb ?> ">
        <li><a href="#" ?> "><i class="fa fa-dashboard ?> "></i>
Home</a></li>
        <li><a href="#" ?> ">Master</a></li>
        <li><a href="#" ?> ">Alternatif</a></li>
        <li class="active ?> ">Edit</li>
    </ol>
</section>

<!-- Main content -->
<section class="content">
    <div class="row">
        <!-- left column -->
        <div class="col-md-12">
            <!-- general form elements -->
            <div class="box box-success">
                <div class="box-header with-border">
                    <h3 class="box-title">Matriks Perbandingan Alternatif
Periode <?php echo $d_periode ?></h3>
                </div>
                <!-- /.box-header -->

                <input type="hidden" id="periode" value="<?php echo
$d_periode ?>">

                <div class="box-body col-md-3">
                    <div class="form-group">
                        <select name="id_alternatif" id="id_alternatif"
class="form-control">
                            <?php
                                foreach($d_alt as $d){
                                    echo          "<option
value=".$d->id_alternatif.">".$d->id_alternatif."          -
".$d->nama_alternatif."</option>";
                                }

```

```

        ?>
        </select>
    </div>
</div>

<div class="box-body col-md-3">
    <div class="form-group">
        <select          name="nilai"          id="nilai"
class="form-control">
            <?php
                for( $i=0; $i<=9 ; $i++ ){
                    echo          "<option
value=".$i.">".$i."</option>";
                }
            <?>
        </select>
    </div>
</div>

<div class="box-body col-md-3">
    <div class="form-group">
        <select          name="id_kriteria"      id="id_kriteria"
class="form-control">
            <?php
                foreach($d_krit as $d){
                    echo          "<option
value=".$d->id_kriteria.">".$d->x."
".$d->nama_kriteria."</option>";
                }
            <?>
        </select>
    </div>
</div>

<div class="box-body col-md-3">
    <div class="form-group">
        <a id="b_edit" class="btn btn-primary" href="<?php
echo          base_url('bobot_alternatif/edit/')?>"><i          class="fa
fa-edit"></i></a>
        <a id="b_normalisasi" class="btn btn-primary"
onclick="return confirm('Apakah data yang anda masukkan sudah
benar?')"          href="<?php          echo
base_url('bobot_alternatif/normalisasi/')?>"><i          class="fa
fa-save"></i></a>
    </div>
</div>

<div class="box-body">
    <table class="table table-striped table-bordered"
id="table_report">
        <thead>
            <tr>
                <th align="center">Kriteria/Alternatif</th>
                <?php
                    foreach($d_krit as $k){

```

```

                                echo                                "<th
align=center>". $k->id_kriteria." - ". $k->nama_kriteria."</th>";
                                }
                                ?>
                                </tr>
                                </thead>
                                <tbody>

                                <?php
                                $no = 1;
                                foreach($d_alt as $a){
                                if ($no%2==1){
                                echo "<tr>";
                                }else{
                                echo "<tr class='even'>";
                                }

                                echo      "<td><b>". $a->id_alternatif."      -
". $a->nama_alternatif."</b></td>";
                                foreach ($d_b_alternatif as $e) {
                                if($a->id_alternatif      ==
$e->id_alternatif){
                                echo      "<td>
align=center>". $e->nilai."</td>";
                                }
                                }
                                echo "</tr>";
                                }
                                ?>
                                </tbody>
                                </table>
                                </div>
                                <!-- /.box-body -->
                                </div>
                                <!-- /.box -->

                                </div>
                                </div>

                                <!-- /.row -->
                                </section>

                                <?php
                                $this->load->view('template/js');
                                ?>

                                <!--tambahkan custom js disini-->
                                <!-- Bootstrap 3.3.7 -->
                                <script      src="<?php      echo
base_url('assets/AdminLTE-2.0.5/bower_components/bootstrap/dist/js
/bootstrap.min.js') ?>"></script>
                                <!-- DataTables -->
                                <script      src="<?php      echo
base_url('assets/AdminLTE-2.0.5/bower_components/datatables.net/js
/jquery.dataTables.min.js') ?>"></script>

```

```

<script src="<?php echo
base_url('assets/AdminLTE-2.0.5/bower_components/datatables.net-bs
/js/dataTables.bootstrap.min.js') ?>"></script>
<!-- iCheck 1.0.1 -->
<script src="<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/iCheck/ichack.min.js') ?>"
></script>

<script>
    //iCheck for checkbox and radio inputs
    $('input[type="checkbox"].minimal,
input[type="radio"].minimal').iCheck({
        checkboxClass: 'icheckbox_minimal-blue',
        radioClass   : 'iradio_minimal-blue'
    })

    $(function() {
        $("#b_edit").click(function(e) {
            var periode = $('#periode').val();
            var alt = $('#id_alternatif').val();
            var krit = $('#id_kriteria').val();
            var nilai = $('#nilai').val();

            var addressValue =
$(this).attr("href")+"/"+periode+"/"+alt+"/"+krit+"/"+nilai;
            $(this).attr("href", addressValue);
        });

        $("#b_normalisasi").click(function(e) {
            var periode = $('#periode').val();
            var addressValue = $(this).attr("href")+"/"+periode;
            $(this).attr("href", addressValue);
        });
    });
</script>

<?php
$this->load->view('template/foot');
?>

```

View bobot_kriteria.php

```

<?php
$this->load->view('template/head');
?>

<!--tambahkan custom css disini-->
<!-- iCheck -->

<!-- Morris chart -->
<link href="<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/morris/morris.css') ?>"
rel="stylesheet" type="text/css" />
<!-- jvectormap -->

```

```

<link                                href="<?php                                echo
base_url('assets/AdminLTE-2.0.5/plugins/jvectormap/jquery-jvectorm
ap-1.2.2.css') ?>" rel="stylesheet" type="text/css" />
<!-- Date Picker -->
<link                                href="<?php                                echo
base_url('assets/AdminLTE-2.0.5/plugins/datepicker/datepicker3.css
') ?>" rel="stylesheet" type="text/css" />
<!-- Daterange picker -->
<link                                href="<?php                                echo
base_url('assets/AdminLTE-2.0.5/plugins/daterangepicker/daterangepe
icker-bs3.css') ?>" rel="stylesheet" type="text/css" />

<!-- Tell the browser to be responsive to screen width -->
<meta content="width=device-width, initial-scale=1, maximum-scale=1,
user-scalable=no" name="viewport">
<!-- Bootstrap 3.3.7 -->
<link                                rel="stylesheet"                                href="<?php                                echo
base_url('assets/AdminLTE-2.0.5/bower_components/bootstrap/dist/cs
s/bootstrap.min.css') ?>">
<!-- Font Awesome -->
<link                                rel="stylesheet"                                href="<?php                                echo
base_url('assets/AdminLTE-2.0.5/bower_components/font-awesome/css/
font-awesome.min.css') ?>">
<!-- Ionicons -->
<link                                rel="stylesheet"                                href="<?php                                echo
base_url('assets/AdminLTE-2.0.5/bower_components/Ionicons/css/ioni
cons.min.css') ?>">
<!-- DataTables -->
<link                                rel="stylesheet"                                href="<?php                                echo
base_url('assets/AdminLTE-2.0.5/bower_components/datatables.net-bs
/css/dataTables.bootstrap.min.css') ?>">
<!-- iCheck for checkboxes and radio inputs -->
<link                                rel="stylesheet"                                href="<?php                                echo
base_url('assets/AdminLTE-2.0.5/plugins/iCheck/all.css') ?>">
<!-- Theme style -->
<link                                rel="stylesheet"                                href="<?php                                echo
base_url('assets/AdminLTE-2.0.5/dist/css/AdminLTE.min.css') ?>">
<!-- AdminLTE Skins. Choose a skin from the css/skins
folder instead of downloading all of them to reduce the load. -->
<link                                rel="stylesheet"                                href="<?php                                echo
base_url('assets/AdminLTE-2.0.5/dist/css/skins/_all-skins.min.css'
) ?>">

<?php
$this->load->view('template/topbar');
$this->load->view('template/sidebar');
$this->load->library('session');
?>

<?php
    if($this->session->flashdata('message')){
    ?>
    <script>alert("<?php                                echo
$this->session->flashdata('message') ?>")</script>
    <?php
    }

```

?>

```
<!-- Content Header (Page header) -->
<section class="content-header">
  <h1>
    Nilai Bobot Kriteria
  </h1>
  <ol class="breadcrumb">
    <li><a href="#"><i class="fa fa-dashboard"></i> Home</a></li>
    <li class="active">Nilai Bobot Kriteria</li>
  </ol>
</section>
```

```
<!-- Main content -->
```

```
<section class="content">
  <div class="row">
    <!-- left column -->
    <div class="col-md-4">
      <!-- general form elements -->
      <div class="box box-success col-md-4">
        <div class="box-header with-border">
          <h3 class="box-title">Pilih Periode</h3>
        </div>
        <!-- /.box-header -->
        <!-- form start -->
        <div class="box-body">
          <!-- select -->
          <div class="row">
            <div class="col-md-6">
              <div class="form-group">
                <label>Tahun</label>
                <select          name="tahun"          id="tahun"
class="form-control">
                  <?php
                    for ($i = 2014; $i <= 2020; $i++) {
                      echo                                "<option
value=" . $i . ">" . $i . "</option>";
                    }
                  ?>
                </select>
              </div>
            </div>
            <div class="col-md-6">
              <div class="form-group">
                <label>Semester</label>
                <select          name="semester"      id="semester"
class="form-control">
                  <option value="01">1</option>
                  <option value="02">2</option>
                </select>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
```



```

        </div>
        <!-- /.box-body -->

        <div class="box-footer" align="right">
            <button          id="b_cari"          class="btn
btn-primary">Cari</button>
        </div>
    </div>
    <!-- /.box -->
</div>
<!--/.col (left) -->
<!-- right column -->

<!-- /.row -->
</section>
<!-- /.content -->

<!-- Main content -->
<section class="content" id="hasil">
    <div class="box box-success">
        <div class="box-header">
            <h3 class="box-title">Nilai Bobot Kriteria</h3>
        </div>
        <!-- /.box-header -->
        <div class="box-body">
            <table      id="example2"      class="table      table-bordered
table-striped">
                <thead>
                    <tr>
                        <th width="5%">No</th>
                        <th>Periode</th>
                        <th>ID Kriteria</th>
                        <th>Nama Kriteria</th>
                        <th>Nilai Prioritas</th>
                    </thead>
                    <tbody>

                </tbody>
            </table>
        </div>
        <!-- /.box-body -->
    </div>
</section><!-- /.content -->

<section class="content" id="new_pembobotan" name="new_pembobotan">
    <div class="row">
        <!-- left column -->
        <div class="col-md-6">
            <!-- general form elements -->
            <div class="box box-success col-md-6">
                <div class="box-header">
                    <h3 class="box-title">Pilih kriteria untuk mulai
pembobotan baru</h3>
                </div>
                <!-- /.box-header -->

```

```

        <!-- form start -->
        <div class="box-body">
            <!-- select -->
            <form          role="form"          action="<?php          echo
base_url('bobot_kriteria/insert');          ?>"          id="newPembobotan"
method="POST" name="newPembobotan">
                <input type="hidden" id="periode" name="periode">
                <table class="table table-striped table-bordered"
id="table_report">
                    <thead>
                        <tr>
                            <th align="center" width="7%">No</th>
                            <th align="center" width="15%">ID
Kriteria</th>
                            <th align="center" width="35%">Nama</th>
                            <th align="center" width="15%"><input
type="checkbox" id="select_all1"></th>
                        </tr>
                    </thead>
                    <tbody>
                        <?php
                            $no = 1;
                            foreach($d_kriteria as $d){
                                if ($no%2==1){
                                    echo "<tr>";
                                }else{
                                    echo "<tr class='even'>";
                                }

                                echo "
                                    <td align=center>".$no++."</td>
                                    <td
align=center>".$d->id_kriteria."</td>
                                    <td>".$d->nama_kriteria."</td>
                                    <td align=center><input
type='checkbox' class='checkbox1' id='id_kriteria' name='check_a[]'
value='".$d->id_kriteria."'></td>
                                    </tr>";
                            }
                            ?>
                        </tbody>
                    </table>
                    <!-- checkbox -->
                    <div class="box-footer" align="right">
                        <button          class="btn          btn-primary">Mulai
Pembobotan</button>
                    </div>
                </form>
            <!-- /.box-body -->

        </div>
    <!-- /.box -->
</div>
<!--/.col (left) -->
<!-- right column -->

```

```

        <!-- /.row -->
    </section>
    <!-- /.content -->

<?php
$this->load->view('template/js');
?>

<!--tambahkan custom js disini-->
<!-- Bootstrap 3.3.7 -->
<script src=""<?php echo
base_url('assets/AdminLTE-2.0.5/bower_components/bootstrap/dist/js
/bootstrap.min.js') ?>"></script>
<!-- DataTables -->
<script src=""<?php echo
base_url('assets/AdminLTE-2.0.5/bower_components/datatables.net/js
/jquery.dataTables.min.js') ?>"></script>
<script src=""<?php echo
base_url('assets/AdminLTE-2.0.5/bower_components/datatables.net-bs
/js/dataTables.bootstrap.min.js') ?>"></script>
<!-- iCheck 1.0.1 -->
<script src=""<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/iCheck/ichack.min.js') ?>"
></script>

<script>
    $(function () {
        $('#hasil').hide();
        $('#new_pembobotan').hide();
    })

    $(document).ready(function() {
        $('#b_cari').click(function () {
            $('#hasil').show();
            var tahun = document.getElementById("tahun").value;
            var semester = document.getElementById("semester").value;
            var periode = tahun + semester;
            //alert(periode);
            document.getElementById("periode").value = periode;

            var table = $('#example2').DataTable();
            table.destroy();

            $('#example2').DataTable({
                'ajax': {
                    url : "<?php echo
site_url("bobot_kriteria/check_periode/") ?>/"+periode,
                    type : 'GET',
                    "dataSrc": function(res){
                        var count = res.data.length;
                        if (count == 0){
                            $('#hasil').hide();
                            alert("Data periode ini tidak ditemukan.
Silakan mulai pembobotan baru atau pilih periode lain.")

```

```

        $('#new_pembobotan').show();
    }else{
        $('#new_pembobotan').hide();
    }
    return res.data;
}
}
});

$("#b_mulai").click(function () {
    var addressValue = $(this).attr("href");
    alert(addressValue );
    $(this).attr("href", addressValue);
});
});
});

//iCheck for checkbox and radio inputs
$( 'input[type="checkbox"].minimal,
input[type="radio"].minimal').iCheck({
    checkboxClass: 'icheckbox_minimal-blue',
    radioClass   : 'iradio_minimal-blue'
})

//Select all checkboxes1
$("#select_all1").change(function(){ // "select all" change
    var status = this.checked; // "select all" checked status
    $('.checkboxx1').each(function(){ //iterate all listed
checkbox items
        this.checked = status; //change ".checkbox" checked
status
    });
});

$('.checkboxx1').change(function(){ // ".checkbox" change
//uncheck "select all", if one of the listed checkbox item
is unchecked
    if(this.checked == false){ //if this item is unchecked
        $("#select_all1")[0].checked = false; //change "select
all" checked status to false
    }

    //check "select all" if all checkbox items are checked
    if      ($('.checkboxx1:checked').length      ==
$('.checkboxx1').length ){
        $("#select_all1")[0].checked = true; //change "select
all" checked status to true
    }
});
</script>

<?php
$this->load->view('template/foot');
?>

```

View bobot_kriteria_add2.php

```
<?php
$this->load->view('template/head');
?>

<!--tambahkan custom css disini-->
<!-- iCheck -->
<link href="<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/iCheck/flat/blue.css') ?>"
rel="stylesheet" type="text/css" />
<!-- Morris chart -->
<link href="<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/morris/morris.css') ?>"
rel="stylesheet" type="text/css" />
<!-- jvectormap -->
<link href="<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/jvectormap/jquery-jvectorm
ap-1.2.2.css') ?>" rel="stylesheet" type="text/css" />
<!-- Date Picker -->
<link href="<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/datepicker/datepicker3.css
') ?>" rel="stylesheet" type="text/css" />
<!-- Daterange picker -->
<link href="<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/daterangepicker/daterangepe
icker-bs3.css') ?>" rel="stylesheet" type="text/css" />

<!-- Tell the browser to be responsive to screen width -->
<meta content="width=device-width, initial-scale=1, maximum-scale=1,
user-scalable=no" name="viewport">
<!-- Bootstrap 3.3.7 -->
<link rel="stylesheet" href="<?php echo
base_url('assets/AdminLTE-2.0.5/bower_components/bootstrap/dist/cs
s/bootstrap.min.css') ?>">
<!-- Font Awesome -->
<link rel="stylesheet" href="<?php echo
base_url('assets/AdminLTE-2.0.5/bower_components/font-awesome/css/
font-awesome.min.css') ?>">
<!-- Ionicons -->
<link rel="stylesheet" href="<?php echo
base_url('assets/AdminLTE-2.0.5/bower_components/Ionicons/css/ioni
cons.min.css') ?>">
<!-- DataTables -->
<link rel="stylesheet" href="<?php echo
base_url('assets/AdminLTE-2.0.5/bower_components/datatables.net-bs
/css/dataTables.bootstrap.min.css') ?>">
<!-- iCheck for checkboxes and radio inputs -->
<link rel="stylesheet" href="<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/iCheck/all.css') ?>">
<!-- Theme style -->
<link rel="stylesheet" href="<?php echo
base_url('assets/AdminLTE-2.0.5/dist/css/AdminLTE.min.css') ?>">
<!-- AdminLTE Skins. Choose a skin from the css/skins
folder instead of downloading all of them to reduce the load. -->
```

```

<link          rel="stylesheet"          href="<?php          echo
base_url('assets/AdminLTE-2.0.5/dist/css/skins/_all-skins.min.css'
) ?>">

<?php
$this->load->view('template/topbar');
$this->load->view('template/sidebar');
$this->load->library('session');
?>

<?php
    if($this->session->flashdata('message')){
        ?>
        <script>alert("<?php          echo
$this->session->flashdata('message') ?>")</script>
        <?php }?>

<section class="content-header">
    <h1>
        Pembobotan Kriteria Baru
    </h1>
    <ol class="breadcrumb ?> ?>
        <li><a href="#" ?> ?><i class="fa fa-dashboard ?> ?></i>
Home</a></li>
        <li><a href="#" ?> ?>Master</a></li>
        <li><a href="#" ?> ?>Alternatif</a></li>
        <li class="active ?> ?>Edit</li>
    </ol>
</section>

<!-- Main content -->
<section class="content">
    <div class="row">
        <!-- left column -->
        <div class="col-md-12">
            <!-- general form elements -->
            <div class="box box-success">
                <div class="box-header with-border">
                    <h3 class="box-title">Matriks Perbandingan Kriteria
Periode <?php echo $d_periode ?></h3>
                </div>
                <!-- /.box-header -->

                <input type="hidden" id="periode" value="<?php echo
$d_periode ?>">

                <div class="box-body col-md-3">
                    <div class="form-group">
                        <select          name="krit_x"          id="krit_x"
class="form-control">
                            <?php
                                foreach($d_krit as $d){
                                    echo "<option value="."$d->x.">."$d->x." -
."$d->nama_kriteria."</option>";
                                }
                            ?>

```

```

        </select>
    </div>
</div>

<div class="box-body col-md-3">
    <div class="form-group">
        <select          name="nilai"          id="nilai"
class="form-control">
            <option    value="1">1    -    Sama    penting
dengan</option>
            <option value="2">2 - Mendekati sedikit lebih
penting dari</option>
            <option value="3">3 - Sedikit lebih penting
dari</option>
            <option value="4">4 - Mendekati lebih penting
dari</option>
            <option value="5">5 - Lebih penting dari</option>
            <option value="6">6 - Mendekati jelas lebih
penting dari</option>
            <option value="7">7 - Jelas lebih penting
dari</option>
            <option value="8">8 - Mendekati mutlak lebih
penting dari</option>
            <option value="9">9 - Mutlak lebih penting
dari</option>
        </select>
    </div>
</div>

<div class="box-body col-md-3">
    <div class="form-group">
        <select          name="krit_y"          id="krit_y"
class="form-control">
            <?php
                foreach($d_krit as $d){
                    echo "<option value="."$d->x.">".$d->x." -
".$d->nama_kriteria."</option>";
                }
            ?>
        </select>
    </div>
</div>

<div class="box-body col-md-3">
    <div class="form-group">
        <a id="b_edit" class="btn btn-primary" href="<?php
echo    base_url('bobot_kriteria/edit/')?>"><i    class="fa
fa-edit"></i></a>
        <a id="b_normalisasi" class="btn btn-primary"
onclick="return confirm('Apakah data yang anda masukkan sudah
benar?')"
href="<?php    echo
base_url('bobot_kriteria/normalisasi/')?>"><i    class="fa
fa-save"></i></a>
    </div>
</div>

```

```

        <div class="box-body">
            <table class="table table-striped table-bordered"
id="table_report">
                <thead>
                    <tr>
                        <th align="center">Kriteria</th>
                        <?php
                            foreach($d_krit as $d){
                                echo  "<th align=center>".$d->x."  -
". $d->nama_kriteria."</th>";
                            }
                        ?>
                    </tr>
                </thead>
                <tbody>

                    <?php
                        $no = 1;
                        foreach($d_krit as $d){
                            if ($no%2==1){
                                echo "<tr>";
                            }else{
                                echo "<tr class='even'>";
                            }

                            echo          "<td><b>".$d->x."          -
". $d->nama_kriteria."</b></td>";
                            foreach ($d_matriks_pb as $e) {
                                if($d->x == $e->y){
                                    echo          "<td
align=center>".$e->nilai."</td>";
                                }
                            }
                            echo "</tr>";
                        }
                    ?>
                </tbody>
            </table>
        </div>
        <!-- /.box-body -->
    </div>
    <!-- /.box -->

    </div>
</div>

    <!-- /.row -->
</section>

<?php
$this->load->view('template/js');
?>

<!--tambahkan custom js disini-->
<!-- Bootstrap 3.3.7 -->

```



```

<script src="<?php echo
base_url('assets/AdminLTE-2.0.5/bower_components/bootstrap/dist/js
/bootstrap.min.js') ?>"></script>
<!-- DataTables -->
<script src="<?php echo
base_url('assets/AdminLTE-2.0.5/bower_components/datatables.net/js
/jquery.dataTables.min.js') ?>"></script>
<script src="<?php echo
base_url('assets/AdminLTE-2.0.5/bower_components/datatables.net-bs
/js/dataTables.bootstrap.min.js') ?>"></script>
<!-- iCheck 1.0.1 -->
<script src="<?php echo
base_url('assets/AdminLTE-2.0.5/plugins/iCheck/ichack.min.js') ?>"
></script>

<script>
$(function () {
    $('#example1').DataTable()
})

//iCheck for checkbox and radio inputs
$('#input[type="checkbox"].minimal,
input[type="radio"].minimal').iCheck({
    checkboxClass: 'icheckbox_minimal-blue',
    radioClass   : 'iradio_minimal-blue'
})

$(function() {
    $('#b_edit').click(function(e) {
        var periode = $('#periode').val();
        var x = $('#krit_x').val();
        var y = $('#krit_y').val();
        var nilai = $('#nilai').val();

        if (x == y && nilai != 1){
            alert("Kriteria yang sama tidak dapat memiliki nilai
perbandingan selain 1.");
            return false;
        }else{
            var addressValue =
$(this).attr("href")+ "/" +periode+ "/" +x+ "/" +y+ "/" +nilai;
        }
        $(this).attr("href", addressValue);
    });

    $('#b_normalisasi').click(function(e) {
        var periode = $('#periode').val();
        var addressValue = $(this).attr("href")+ "/" +periode;
        $(this).attr("href", addressValue);
    });
});
</script>

<?php

```

```
$this->load->view('template/foot');
?>
```

Controller Bobot_alternatif.php

```
<?php
defined('BASEPATH') OR exit('No direct script access allowed');

class Bobot_alternatif extends CI_Controller {

    function __construct(){
        parent::__construct();
        $this->load->model('m_bobot_alternatif');
        $this->load->helper('url');
        $this->load->library('session');
    }

    function index()
    {
        $username = $this->session->userdata("username");
        if ($username) {
            $data['username'] = $username;
            $data['d_alternatif'] = $this->m_bobot_alternatif->getAlt();
            $this->load->view('bobot_alternatif',$data);
        }else{
            redirect(base_url('auth'));
        }
    }

    public function check_periode()
    {
        $sid = $this->uri->segment(3);
        $books = $this->m_bobot_alternatif->check_periode($sid);

        $data = array();
        $no = 1;
        foreach($books->result() as $r) {
            $data[] = array(
                $no++,
                $r->periode,
                $r->id_alternatif,
                $r->nama_alternatif,
                $r->ntp
            );
        }

        $output = array(
            "data" => $data
        );
        echo json_encode($output);
        exit();
    }

    public function insert()
```

```

{
    $periode = $this->input->post('periode');
    $check = $this->input->post('check_a');

    $kritis = $this->m_bobot_alternatif->get_krit($periode);

    $this->m_bobot_alternatif->delete_b_alternatif($periode);

    foreach ($check as $salt) {
        foreach ($kritis as $krit) {
            $this->m_bobot_alternatif->insert_b_alternatif(array(
                'periode' => $periode,
                'id_alternatif' => $salt,
                'id_kriteria' => $krit->id_kriteria,
                'nilai' => 0
            ));
        }
    }

    $data['d_b_alternatif'] =
    $this->m_bobot_alternatif->get_b_alternatif($periode);
    $data['d_krit'] =
    $this->m_bobot_alternatif->get_krit($periode);
    $data['d_alt'] = $this->m_bobot_alternatif->get_alt($periode);
    $data['d_periode'] = $periode;
    $this->load->view('bobot_alternatif_add', $data);
}

public function edit()
{
    $periode = $this->uri->segment(3);
    $salt = $this->uri->segment(4);
    $krit = $this->uri->segment(5);
    $nilai = $this->uri->segment(6);

    $res = $this->m_bobot_alternatif->update($periode, $salt, $krit,
    $nilai);

    $data['d_b_alternatif'] =
    $this->m_bobot_alternatif->get_b_alternatif($periode);
    $data['d_krit'] =
    $this->m_bobot_alternatif->get_krit($periode);
    $data['d_alt'] = $this->m_bobot_alternatif->get_alt($periode);
    $data['d_periode'] = $periode;
    $this->load->view('bobot_alternatif_add', $data);
}

public function normalisasi()
{
    $periode = $this->uri->segment(3);
    $this->m_bobot_alternatif->normalisasi($periode);
    $this->session->set_flashdata('message', 'Pembobotan alternatif
periode '.$periode.'. berhasil. ');
    $this->index();
}
}

```

Controller Bobot_kriteria.php

```
<?php
defined('BASEPATH') OR exit('No direct script access allowed');

class Bobot_kriteria extends CI_Controller {

    function __construct(){
        parent::__construct();
        $this->load->model('m_bobot_kriteria');
        $this->load->helper('url');
        $this->load->library('session');
    }

    function index()
    {
        $username = $this->session->userdata("username");
        if ($username) {
            $data['username'] = $username;
            $data['d_kriteria'] = $this->m_bobot_kriteria->getKrit();
            $this->load->view('bobot_kriteria',$data);
        }else{
            redirect(base_url('auth'));
        }
    }

    public function check_periode()
    {
        $sid = $this->uri->segment(3);
        $books = $this->m_bobot_kriteria->check_periode($sid);

        $data = array();
        $no = 1;
        foreach($books->result() as $r) {
            $data[] = array(
                $no++,
                $r->periode,
                $r->id_kriteria,
                $r->nama_kriteria,
                $r->np
            );
        }

        $output = array(
            "data" => $data
        );
        echo json_encode($output);
        exit();
    }

    public function insert()
    {
        $periode = $this->input->post('periode');
        $check = $this->input->post('check_a');
```

```

$this->m_bobot_kriteria->delete_matriks_pb($periode);

foreach ($check as $krit_x) {
    foreach ($check as $krit_y) {
        $this->m_bobot_kriteria->insert_matriks_pb(array(
            'periode' => $periode,
            'x' => $krit_x,
            'y' => $krit_y,
            'nilai' => 1,
        ));
    }
}

$data['d_matriks_pb'] =
$this->m_bobot_kriteria->get_matriks_pb($periode);
$data['d_krit'] = $this->m_bobot_kriteria->get_krit($periode);
$data['d_periode'] = $periode;
$this->load->view('bobot_kriteria_add2', $data);
}

public function edit()
{
    $periode = $this->uri->segment(3);
    $x = $this->uri->segment(4);
    $y = $this->uri->segment(5);
    $nilai = $this->uri->segment(6);

    $res = $this->m_bobot_kriteria->update($periode, $x, $y, $nilai);

    $data['d_matriks_pb'] =
$this->m_bobot_kriteria->get_matriks_pb($periode);
$data['d_krit'] = $this->m_bobot_kriteria->get_krit($periode);
$data['d_periode'] = $periode;
$this->load->view('bobot_kriteria_add2', $data);
}

public function normalisasi()
{
    $periode = $this->uri->segment(3);
    $this->m_bobot_kriteria->normalisasi($periode);

    $xs = $this->m_bobot_kriteria->get_krit($periode);

    foreach($xs as $x) {
        $hasil = 1;
        $no = 0;
        $ns = $this->m_bobot_kriteria->get_nilai($periode, $x->x);

        foreach($ns->result() as $n) {
            $hasil = $hasil * $n->nilai;
            $no++;
        }
        $res = $this->m_bobot_kriteria->update_ne($periode, $x->x,
        $hasil, $no);
    }
}

```

```

$sum_ne = $this->m_bobot_kriteria->get_sum_ne($periode);

foreach($xs as $x) {
    $res = $this->m_bobot_kriteria->update_np_nk($periode, $sum_ne,
$x->x);
}

$scr = $this->m_bobot_kriteria->cek_cr($periode, $no);

if ($scr < 0.1){
    $this->session->set_flashdata('message', 'Pembobotan kriteria
periode '.$periode.' berhasil. CR = '.$scr);
}else{
    $this->session->set_flashdata('message', 'Pembobotan kriteria
periode '.$periode.' gagal. Nilai CR invalid. CR = '.$scr);
    $res = $this->m_bobot_kriteria->clear_table($periode);
}
$this->index();
}
}

```