

## LAMPIRAN

### Lampiran 1. KonsultasiController

```
<?php namespace App\Controllers;
use App\Libraries\Utils;
use App\Models\DetailKonsultasiModel;
use App\Models\FileModel;
use App\Models\KonsultasiModel;
use App\Models\NotifikasiModel;
use App\Models\PeriodeModel;
use App\Models\ProgramStudiModel;
use App\Models\TopikKonsultasiModel;
use App\Models\UserModel;
use App\Models\IpkModel;
use App\Models\IpsModel;
use App\Models\SemesterModel;
use Ciqrcode;
ini_set('maximum_execution_time', 0);
class KonsultasiController extends BaseController
{
    public function __construct()
    {
        helper('text');

        $this->konsultasi = new KonsultasiModel();
        $this->detailKonsultasi = new DetailKonsultasiModel();
        $this->topik = new TopikKonsultasiModel();
        $this->prodi = new ProgramStudiModel();
        $this->user = new UserModel();
        $this->ipk = new IpkModel();
    }
}
```

```

$this->ips = new IpsModel();
$this->semester = new SemesterModel();
$this->file = new FileModel();
$this->fileController = new FileController();
$this->periode = new PeriodeModel();
$this->notifikasi = new NotifikasiModel();
$this->qrcode = new Ciqrcode();
$this->session = session();
}

    public function index()
    {
        $data['title'] = 'Daftar Konsultasi';
        $data['datakonsultasi'] = $this->konsultasi->where('user_id', $id)-
>where('periode_id', $periode)->asObject()->findAll();
        $data['detail'] = $this->detailKonsultasi->asObject()->findAll();
        $data['mahasiswa'] = $this->user->where('role_id', 1)->asObject()->findAll();
        $data['dosen'] = $this->user->where('role_id', 2)->asObject()->findAll();
        $data['periode'] = $this->periode->asObject()->findAll();
        $data['konsultasi'] = $this->konsultasi->withRelations()->getResult();
        $data['topik'] = $this->topik->asObject()->findAll();
        $data['prodi'] = $this->prodi->asObject()->findAll();
        $data['semester'] = $this->semester->asObject()->findAll();
        return view('pages/konsultasi/index', $data);
    }

    public function create()
    {
        $data['title'] = 'Buat Konsultasi';
        $data['note'] = "Mahasiswa wajib melakukan bimbingan minimal empat kali
dalam satu semester.";
        $data['topik'] = $this->topik->asObject()->findAll();
        $data['prodi'] = $this->prodi->asObject()->findAll();
    }

```

```

$data['user'] = $this->user->asObject()->find(session()->get('id'));
$data['dosen'] = $this->user->where('role_id', 2)->asObject()->findAll();
$data['dospem'] = $this->user->asObject()->find(session()->get('dospemid'));
$data['periode'] = $this->periode->asObject()->findAll();
$data['semester'] = $this->semester->asObject()->findAll();
return view('pages/konsultasi/create', $data);
}

public function store()
{
    $user['nim'] = $this->request->getPost('nim');
    $user['prodi_id'] = $this->request->getPost('prodi_id');
    $user['tahun_masuk'] = $this->request->getPost('tahun_masuk');
    $user['nomor_telepon'] = $this->request->getPost('nomor_telepon');
    $user['alamat'] = $this->request->getPost('alamat');
    $this->user->update($this->session->get('id'), $user);

    $ipkn = $this->request->getPost('user_id');
    $ipks = $this->request->getPost('periode_id');
    $jmlipk = $this->ipk->getjmlipk($ipkn,$ipks);

    if($jmlipk == 0 ){
        $ipk['user_id'] = $this->request->getPost('user_id');
        $ipk['periode_id'] = $this->request->getPost('periode_id');
        $ipk['ipk'] = $this->request->getPost('ipk');
        $this->ipk->insert($ipk);
    }else{
        $ipkk = $this->request->getPost('ipk');
        $this->ipk->setipk($ipkn,$ipks,$ipkk);
    }

    $ipspn = $this->request->getPost('user_id');
    $ipssp = $this->request->getPost('periode_id');

```

```

$jmllips = $this->ips->getjmlips($ipsn,$ipss);

if($jmllips == 0 ){
    $ips['user_id'] = $this->request->getPost('user_id');
    $ips['periode_id'] = $this->request->getPost('periode_id');
    $ips['ips'] = $this->request->getPost('ips');
    $this->ips->insert($ips);
}else{
    $ipsk = $this->request->getPost('ips');
    $this->ips->setips($ipsn,$ipss,$ipsk);
}
}

$konsultasi['periode_id'] = $this->request->getPost('periode_id');
$konsultasi['user_id'] = session()->get('id');
$konsultasi['dosen_id'] = $this->request->getPost('dosen_id');
$konsultasi['file_id'] = $this->fileController->store($this->request->getFile('file'));
$id = $this->konsultasi->store($konsultasi);
$this->konsultasi->update($id, ['qr_code' => $this->generateQR($id)]);
$detail['konsultasi_id'] = $id;
$detail['topik_id'] = $this->request->getPost('topik_id');
$detail['topik_bahasan'] = $this->request->getPost('topik_bahasan');
$detail['tanggal_dibuat'] = Utils::now();
$this->detailKonsultasi->store($detail);

$notifikasi['from'] = session()->get('id');
$notifikasi['to'] = $this->request->getPost('dosen_id');
$notifikasi['pesan'] = session()->get('nama') . " telah mengajukan konsultasi kepada Anda.";
$notifikasi['sudah_dibaca'] = false;
$notifikasi['konsultasi_id'] = $id;
$this->notifikasi->store($notifikasi);

```

```
$this->session->setFlashdata('message', '<div class="alert alert-soft-success d-flex" konsultasi="alert"><i class="material-icons mr-3">check_circle</i><div class="text-body">Data berhasil disimpan!</div></div>');
```

```
return redirect()->to(base_url('konsultasi'));
```

```
}
```

```
public function show($id)
```

```
{
```

```
$data['title'] = 'Detail Konsultasi';
```

```
$data['konsultasi'] = $this->konsultasi->withRelations($id)->getRow();
```

```
$data['detail'] = $this->detailKonsultasi->getByKonsultasiID($id)->getResult();
```

```
$data['topik'] = $this->topik->asObject()->findAll();
```

```
$data['prodi'] = $this->prodi->asObject()->findAll();
```

```
$data['periode'] = $this->periode->asObject()->findAll();
```

```
$data['dosen'] = $this->user->where('role_id', 2)->asObject()->findAll();
```

```
$data['periode'] = $this->periode->asObject()->findAll();
```

```
return view('pages/konsultasi/detail', $data);
```

```
}
```

```
public function edit($id)
```

```
{
```

```
$data['title'] = 'Edit Konsultasi';
```

```
$data['konsultasi'] = $this->konsultasi->find($id);
```

```
return view('pages/konsultasi/edit', $data);
```

```
}
```

```
public function update($id)
```

```
{
```

```
if (!$this->validate($this->auth->getValidationRules())) {
```

```
return redirect()->to(base_url('konsultasi/'. $id .'/edit'));
```

```
} else {
```

```
$this->konsultasi->update($id, $this->request->getPost());
```

```
$this->session->setFlashdata('message', '<div class="alert alert-soft-success d-flex" konsultasi="alert"><i class="material-icons mr-3">check_circle</i><div class="text-body">Data berhasil disimpan!</div></div>');
```

```

        return redirect()->to(base_url('konsultasi/'. $id .'/edit'));
    }
}

public function destroy($id)
{
    $this->konsultasi->delete($id);

    $this->session->setFlashdata('message', '<div class="alert alert-soft-success d-flex" konsultasi="alert"><i class="material-icons mr-3">check_circle</i><div class="text-body">Data berhasil dihapus!</div></div>');

    return redirect()->to(base_url('konsultasi'));
}

public function report($id)
{
    $data['title'] = 'Laporan Konsultasi';
    $data['konsultasi'] = $this->konsultasi->withRelations($id)->getRow();
    $data['detail'] = $this->detailKonsultasi->getByKonsultasiID($id, 'asc')->getResult();
    $data['topik'] = $this->topik->asObject()->findAll();
    $data['prodi'] = $this->prodi->asObject()->findAll();
    $data['dosen'] = $this->user->where('role_id', 2)->asObject()->findAll();
    $data['periode'] = $this->periode->asObject()->findAll();
    return view('pages/konsultasi/report', $data);
}

public function reportperiode($id,$periode)
{
    $data['title'] = 'Laporan Konsultasi';
    $data['datakonsultasi'] = $this->konsultasi->where('user_id', $id)->where('periode_id', $periode)->asObject()->findAll();
    $data['detail'] = $this->detailKonsultasi->asObject()->findAll();
    $data['topik'] = $this->topik->asObject()->findAll();
    $data['prodi'] = $this->prodi->asObject()->findAll();
    $data['mahasiswa'] = $this->user->where('id', $id)->asObject()->findAll();
}

```

```

$data['mahasiswa'] = $this->user->where('role_id', 1)->asObject()->findAll();
$data['dosen'] = $this->user->where('role_id', 2)->asObject()->findAll();
$data['periode'] = $this->periode->asObject()->findAll();
return view('pages/konsultasi/reportperiode', $data);
}
public function generateQR($id)
{
    $config['cacheable'] = true; //boolean, the default is true
    $config['cachedir'] = WRITEPATH . 'cache'; //string, the default is
application/cache/
    $config['errorlog'] = WRITEPATH . 'logs'; //string, the default is
application/logs/
    $config['imagedir'] = './qrcode/'; //direktori penyimpanan qr code
    $config['quality'] = true; //boolean, the default is true
    $config['size'] = '1024'; //interger, the default is 1024
    $config['black'] = array(224, 255, 255); // array, default is array(255,255,255)
    $config['white'] = array(70, 130, 180);
    $this->qrcode->initialize($config);
    $name = random_string('alnum', 16) . '.png';
    $konsultasiid= $this->konsultasi->asObject()->find($id);
    $detailkn= $this->detailKonsultasi->where('konsultasi_id',$id)->asObject()-
>findAll();
    foreach($detailkn as $rowd){
        $idtopik = $rowd->id;
        $tglbt = $rowd->tanggal_dibuat;
        $tglbl = $rowd->tanggal_dibalas;
    }
    $tglbtt = date("Ymd", strtotime($tglbt)); //dmYGis
    if($tglbls != ""){
        $tglbls = date("Ymd", strtotime($tglbl)); //dmYGis
    }else{
        $tglbls = 0;
    }
}

```

```
}

$params['data']=$konsultasiid>$tglbls.$tglbl.$idtopik;//.id;//$idtopik.$tglbtt.$tglbl
s; //data yang akan di jadikan QR CODE

$params['level'] = 'H'; //H=High

$params['size'] = 10;

$params['savename'] = $config['imagedir'].$name; //simpan image QR CODE ke
folder assets/images/

$this->qrcode->generate($params); // fungsi untuk generate QR CODE

return $name;

}

}
```



## Lampiran 2. KonsultasiModel

```
<?php namespace App\Models;
use CodeIgniter\Model;
class KonsultasiModel extends Model
{
    protected $table = 'konsultasi';
    protected $primaryKey = 'id';

    protected $returnType = 'array';
    protected $useSoftDeletes = false;

    protected $useTimestamps = true;
    protected $createdField = 'created_at';
    protected $updatedField = 'updated_at';
    protected $deletedField = 'deleted_at';

    protected $skipValidation = false;
    protected $allowedFields = [
        'periode_id',
        'user_id',
        'dosen_id',
        'qr_code',
        'file_id'
    ];
    protected $validationRules = [
        'periode_id' => 'required|numeric',
        'user_id' => 'required|numeric',
        'dosen_id' => 'required|numeric',
        'qr_code' => 'is_unique[konsultasi.qr_code]',
        'file_id' => 'required|numeric'
```

```

];
public function withRelations($id = null, $limit = null, $order = null)
{
    $builder = $this->db->table($this->table);

    $builder->select($this->table.'.*', mahasiswa.nim as nim_mahasiswa,
mahasiswa.nama as mahasiswa, mahasiswa.prodi_id as prodi_mahasiswa,
mahasiswa.tahun_masuk as tahun_masuk, mahasiswa.nomor_telepon as
nomor_mahasiswa, mahasiswa.alamat as alamat_mahasiswa, dosen.nama as dosen,
periode.tahun_awal as tahun_awal, periode.tahun_akhir as tahun_akhir, file.name
as file_name, prodi.nama as nama_prodi);

    $builder->join('users as mahasiswa', $this->table.'.user_id = mahasiswa.id');
    $builder->join('users as dosen', $this->table.'.dosen_id = dosen.id');
    $builder->join('periode', $this->table.'.periode_id = periode.id');
    $builder->join('file', $this->table.'.file_id = file.id');
    $builder->join('program_studi as prodi', 'mahasiswa.prodi_id = prodi.id');
    if ($id)
        $builder->where($this->table.'.id', $id);
    if (session()->get('role_code') == 'mahasiswa')
        $builder->where($this->table.'.user_id', session()->get('id'));
    else if (session()->get('role_code') == 'dosen')
        $builder->where($this->table.'.dosen_id', session()->get('id'));
    if ($limit)
        $builder->limit($limit);
        $builder->orderBy($this->table.'.updated_at', $order ?? 'desc');
    return $builder->get();
}

public function getkonsulid(){
    $builder = $this->db->table($this->table);
    $builder->select($this->table.'.id');
    $builder->where($this->table.'.id', $id);
    return $builder->get();

public function store($data)

```

```

{
    $db = db_connect('default');
    $builder = $db->table($this->table);
    $builder->insert($data);
    return $db->insertID();
}

public function getGraphicData()
{
    $builder = $this->db->table($this->table);
    $builder->select("count(user_id)          as          jumlah,          periode_id,
concat(periode.tahun_awal, '/', periode.tahun_akhir) as tahun_akademik");
    $builder->join('periode', $this->table.'periode_id = periode.id');
    $builder->groupBy('periode_id');
    $builder->orderBy('periode.tahun_awal', 'asc');
    $result = $builder->get()->getResultArray();
    $label = array();
    $jumlah = array();
    foreach ($result as $row) {
        array_push($label, $row['tahun_akademik']);
        array_push($jumlah, (int) $row['jumlah']);
    }
    return ['label' => implode("", "", $label), 'jumlah' => implode("", "", $jumlah)];
}
}

```

### Lampiran 3. View Create Konsultasi

```
<?= $this->extend('layouts/app') ?>

<?= $this->section('content') ?>
<div class="card">
  <div class="card-header card-header-large bg-white">
    <h4 class="card-header__title"><?= $title; ?></h4>
  </div>
  <form class="card-body" enctype="multipart/form-data" action="<?=
base_url('konsultasi/store') ?>" method="post">
    <p style="color:#888;font-size:15px;text-align:center">( <?= $note; ?> )</p>
    <div class="row">
      <div class="col-md-6">
        <div class="form-group">
          <label for="nim">NIM</label>
          <input type="text" class="form-control" id="nim" name="nim"
placeholder="123456789" value="<?= $user->nim ?>"
required autofocus>
          <input type="hidden" name="user_id" value="<?= $user->id ?>">
        </div>
      </div>
      <div class="col-md-6">
        <div class="form-group">
          <label for="nama">Nama</label>
          <input type="text" class="form-control" id="nama" name="nama"
placeholder="John Doe"
value="<?= $user->nama ?>" disabled required>
        </div>
      </div>
    </div>
    <div class="row">
      <div class="col-md-6">
        <div class="form-group">
          <label for="prodi">Program Studi</label>
          <select id="prodi" name="prodi_id" data-toggle="select" class="form-
control" required>
            <?php foreach ($prodi as $row): ?>
              <option value="<?= $row->id ?>" <?= $user->prodi_id == $row->id ?
"selected" : null ?>><?= $row->nama ?>
            </option>
          <?php endforeach; ?>
          </select>
        </div>
      </div>
      <div class="col-md-3">
        <div class="form-group">
```

```

        <label for="tahun_masuk">Tahun Masuk</label>
        <input type="number" class="form-control" id="tahun_masuk"
name="tahun_masuk" placeholder="2019"
        value="<?= $user->tahun_masuk ?>" required>
    </div>
</div>
<div class="col-md-3">
    <div class="form-group">
        <label for="nomor_telepon">No. HP</label>
        <input type="text" class="form-control" id="nomor_telepon"
name="nomor_telepon" placeholder="08123456789"
        value="<?= $user->nomor_telepon ?>" required>
    </div>
</div>
</div>
<div class="form-group">
    <label for="alamat">Alamat</label>
    <textarea class="form-control" id="alamat" name="alamat" rows="3"
placeholder="Jl. Ahmad Yani 15 Jakarta, Indonesia" required><?= $user-
>alamat ?></textarea>
</div>
<div class="row">
    <div class="col-md-6">
        <div class="form-group">
            <label for="periode">Periode</label>
            <select id="periode" name="periode_id" data-toggle="select" class="form-
control" required>
                <option value="">Pilih Periode</option>
                <?php foreach ($periode as $row): ?>
                    <option value="<?= $row->id ?>"><?= $row->tahun_awal ?>/<?= $row-
>tahun_akhir ?><?php if($row->semester==0){echo ' Genap';}else{echo '
Ganjil';}?></option>
                <?php endforeach; ?>
            </select>
        </div>
    </div>
    <div class="col-md-6">
        <div class="form-group">
            <label for="nama">Dosen Pembimbing</label>
            <input type="text" class="form-control" id="dospem" name="dospem"
placeholder="Dosen"
            value="<?= $dospem->nama ?>" disabled required>
            <input type="hidden" name="dosen_id" value="<?= $dospem->id ?>">
        </div>
    </div>
</div>
</div>
</div>
<div class="row">

```

```

<div class="col-md-6">
  <div class="form-group">
    <label for="ipk">IPK</label>
    <input type="text" class="form-control" id="ipk" name="ipk"
placeholder="inputkan ipk" required autofocus>
    <p
style="font-size:13px;margin-top:15px;font-
family:arial;color:#888888;padding-left:5px;">Ketik koma (,) dengan
menggunakan titik (.)</p>
  </div>
</div>
<div class="col-md-6">
  <div class="form-group">
    <label for="ips">IPS</label>
    <input type="text" class="form-control" id="ips" name="ips"
placeholder="inputkan ips" required>
  </div>
</div>
</div>
<div class="form-group">
  <label for="topik">Topik Konsultasi</label>
  <select id="topik" name="topik_id" data-toggle="select" class="form-control"
required>
    <option value="">Pilih Topik Konsultasi</option>
    <?php foreach ($topik as $row): ?>
      <option value="<?= $row->id ?>"><?= $row->nama ?></option>
    <?php endforeach; ?>
  </select>
</div>
<div class="form-group">
  <label for="topik_bahasan">Topik Bahasan</label>
  <textarea class="form-control" id="topik_bahasan" name="topik_bahasan"
rows="5"
placeholder="Silahkan ketik bahasan di sini..." required></textarea>
</div>
<div class="form-group">
  <label for="file">File KHS</label>
  <input type="file" class="form-control" id="file" name="file" required>
</div>
<div class="row">
  <div class="col-md-12">
    <a href="<?= base_url('konsultasi') ?>" class="btn btn-light">Batal</a>
    <button type="submit" class="btn btn-primary float-right">Submit</button>
  </div>
</div>
</form>
</div>
</div>
<?= $this->endSection() ?>

```

#### Lampiran 4. View Report

```
<body class="layout-default">
  <div class="container">
    <div class="card mt-4">
      <div class="card-header">
        Laporan Konsultasi Mahasiswa
      </div>
      <div class="card-body">
        <div class="row">
          <div class="col-md-12 text-center">
            
            <h3><strong>Jurnal Bimbingan Akademik</strong></h3>
            <h5> Tahun Akademik <?= $konsultasi->tahun_awal ?>/<?= $konsultasi-
            >tahun_akhir ?></h5>
          </div>
        </div>
        <div class="row mt-4">
          <div class="col-md-12">
            <table class="table table-borderless mr-auto ml-auto" style="width: 80%;">
              <tbody>
                <tr>
                  <td class="text-muted">Nama Mahasiswa</td>
                  <td><?= $konsultasi->mahasiswa ?></td>
                  <td class="text-muted">NIM</td>
                  <td><?= $konsultasi->nim_mahasiswa ?></td>
                </tr>
                <tr>
                  <td class="text-muted">Program Studi</td>
                  <td><?= $konsultasi->nama_prodi ?></td>
                  <td class="text-muted">Tahun Masuk</td>
                  <td><?= $konsultasi->tahun_masuk ?></td>
                </tr>
                <tr>
                  <td class="text-muted">Alamat</td>
                  <td><?= $konsultasi->alamat_mahasiswa ?></td>
                  <td class="text-muted">No. HP</td>
                  <td><?= $konsultasi->nomor_mahasiswa ?></td>
                </tr>
              </tbody>
            </table>
          </div>
        </div>
        <div class="row mt-4">
          <div class="col-md-12">
            <table class="table table-bordered">
              <thead>
```

```

<tr>
  <th scope="col">No</th>
  <th scope="col">Hari, Tanggal</th>
  <th scope="col">Topik</th>
  <th scope="col">Topik Bahasan</th>
  <th scope="col">Hari, Tanggal</th>
  <th scope="col">Rencana Tindak Lanjut</th>
  <th scope="col">TTD Mahasiswa</th>
</tr>
</thead>
<tbody>
  <?php $number = 1; ?>
  <?php foreach ($detail as $row): ?>
    <tr>
      <td><small class="text-muted text-center"><?= $number; $number++;
?></small></td>
      <td><small class="text-muted"><?= strftime("%A, %e %B %G",
strtotime($row->tanggal_dibuat)) ?></small>
      </td>
      <td><?= $row->nama_topik ?></td>
      <td><?= $row->topik_bahasan ?></td>
      <td><small
        class="text-muted"><?= $row->tanggal_dibalas ? strftime("%A, %e
%B %G", strtotime($row->tanggal_dibalas)) : 'Belum dibalas' ?></small>
      </td>
      <td><?= $row->rencana_tindak_lanjut ? $row->rencana_tindak_lanjut
: "Belum dibalas" ?></td>
      <td></td>
    </tr>
  <?php endforeach; ?>
</tbody>
</table>
</div>
</div>
<div class="row mt-4">
  <div class="col-md-6 d-flex align-items-end">
    
  </div>
  <div class="col-md-6 float-right">
    <p>Mojokerto, <?php echo date('d F Y'); ?></p>
    <p>Dosen Penasihat Akademik (DPA)</p>
    <br />
    <br />
    <strong><?= $konsultasi->dosen ?></strong>
  </div>
</div>
</div>

```