

CRUD

MENAMPILKAN DATA SURAT

MODEL

```
public function get_surat_masuk()
{
    return $this->db->get('surat_masuk')
           ->result();
}
```

CONTROLLER

```
public function surat_masuk()
{
    if($this->session->userdata('logged_in') == TRUE){
        if($this->session->userdata('jabatan') == 'Sekretaris'){
            $data['main_view'] = 'admin/data_surat_masuk_sekretaris_view';
            $data['data_surat_masuk'] = $this->surat_model->get_surat_masuk();

            $this->load->view('template_view', $data);
        } else {
        }
    } else {
        redirect('login');
    }
}
```

VIEW

```
<table width="100%" class="table table-striped table-bordered table-hover" id="dataTables-example">
<thead>
    <tr>
        <th>NO</th>
        <th>NO.SURAT</th>
        <th>PENGIRIM</th>
        <th>TGL.KIRIM</th>
        <th>TGL.TERIMA</th>
        <th>PERIHAL</th>
        <th>AKSI</th>
    </tr>
</thead>

<tbody>
    <?php
        $no = 0;
        foreach ($data_surat_masuk as $surat_masuk) {
            echo '
                <tr>
                    <td>' .++$no.'</td>
                    <td>' . $surat_masuk->nomor_surat.'</td>
                    <td>' . $surat_masuk->pengirim.'</td>
                    <td>' . $surat_masuk->tgl_kirim.'</td>
                    <td>' . $surat_masuk->tgl_terima.'</td>
                    <td>' . $surat_masuk->perihal.'</td>
                    <td>
                        <a href="'.base_url('uploads/' . $surat_masuk->file_surat).'" class="btn btn-info
                            btn-sm" target="_blank">Lihat</a>
                        <a href="#" class="btn btn-warning btn-sm" data-toggle="modal"
                            data-target="#modal_ubah" onclick="prepare_update_surat('. $surat_masuk->id_surat.
                            ')">Ubah</a>
                        <a href="#" class="btn btn-success btn-sm" data-toggle="modal"
                            data-target="#modal_ubah_surat" onclick="prepare_update_surat('. $surat_masuk->
                            id_surat.')">Ubah Surat</a>
                        <a href="'.base_url('index.php/surat/disposisi/' . $surat_masuk->id_surat).'"'
                            class="btn btn-primary btn-sm">Disposisi</a>
                        <a href="'.base_url('index.php/surat/hapus_surat_masuk/' . $surat_masuk->id_surat).'"'
                            class="btn btn-danger btn-sm">Hapus</a>
                    </td>
                </tr>
            ';
        }
    ?>
</tbody>
</table>
```

MENAMBAH DATA SURAT

MODEL

```

public function tambah_surat_masuk($file_surat)
{
    $data = array(
        'nomor_surat' => $this->input->post('no_surat'),
        'tgl_kirim' => $this->input->post('tgl_kirim'),
        'tgl_terima' => $this->input->post('tgl_terima'),
        'pengirim' => $this->input->post('pengirim'),
        'penerima' => $this->input->post('penerima'),
        'perihal' => $this->input->post('perihal'),
        'file_surat' => $file_surat['file_name']
    );

    $this->db->insert('surat_masuk', $data);
    if($this->db->affected_rows() > 0){
        return TRUE;
    } else {
        return FALSE;
    }
}

```

CONTROLLER

```

public function tambah_surat_masuk()
{
    if($this->session->userdata('logged_in') == TRUE){

        if($this->session->userdata('jabatan') == 'Sekretaris'){

            $this->form_validation->set_rules('no_surat', 'No.Surat', 'trim|required');
            $this->form_validation->set_rules('tgl_kirim', 'Tgl.Kirim', 'trim|required|date');
            $this->form_validation->set_rules('tgl_terima', 'Tgl.Kirim', 'trim|required|date');
            $this->form_validation->set_rules('pengirim', 'Pengirim', 'trim|required');
            $this->form_validation->set_rules('penerima', 'Penerima', 'trim|required');
            $this->form_validation->set_rules('perihal', 'Perihal', 'trim|required');

            if ($this->form_validation->run() == TRUE) {
                //konfigurasi upload file
                $config['upload_path']      = './uploads/';
                $config['allowed_types']    = 'pdf';
                $config['max_size']         = 2000;
                $this->load->library('upload', $config);

                if ($this->upload->do_upload('file_surat')){

                    if($this->surat_model->tambah_surat_masuk($this->upload->data()) == TRUE ){
                        $this->session->set_flashdata('notif', 'Tambah surat berhasil!');
                        redirect('surat/surat_masuk');
                    } else {
                        $this->session->set_flashdata('notif', 'Tambah surat gagal!');
                        redirect('surat/surat_masuk');
                    }

                } else {
                    $this->session->set_flashdata('notif', $this->upload->display_errors());
                    redirect('surat/surat_masuk');
                }

            } else {
                $this->session->set_flashdata('notif', validation_errors());
                redirect('surat/surat_masuk');
            }
        }
    } else {
        redirect('login');
    }
}

```

VIEW

Membuat modal tambah surat

```
<!-- MODAL tambah surat -->
<div class="modal fade" id="modal_add" tabindex="-1" role="dialog" aria-labelledby="modal_addLabel" aria-hidden="true" data-backdrop="static" data-keyboard="false">
  <div class="modal-dialog">
    <div class="modal-content">
      <form action=<?php echo base_url('index.php/surat/tambah_surat_masuk'); ?>" method="post" enctype="multipart/form-data">
        <div class="modal-header">
          <h4 class="modal-title" id="modal_addLabel">Tambah Surat Masuk</h4>
        </div>
        <div class="modal-body">
          <div class="form-group">
            <label>Nomor Surat</label>
            <input type="text" name="no_surat" class="form-control">
          </div>
          <div class="form-group">
            <label>Tgl.Kirim</label>
            <input type="date" name="tgl_kirim" class="form-control">
          </div>
          <div class="form-group">
            <label>Tgl.Terima</label>
            <input type="date" name="tgl_terima" class="form-control">
          </div>
          <div class="form-group">
            <label>Pengirim</label>
            <input type="text" name="pengirim" class="form-control">
          </div>
          <div class="form-group">
            <label>Penerima</label>
            <input type="text" name="penerima" class="form-control">
          </div>
          <div class="form-group">
            <label>Perihal</label>
            <input type="text" name="perihal" class="form-control">
          </div>
          <div class="form-group">
            <label>Unggah Surat (*.pdf)</label>
            <input type="file" name="file_surat" class="form-control">
          </div>
        </div>
        <div class="modal-footer">
          <button type="button" class="btn btn-default" data-dismiss="modal">Keluar</button>
          <input type="submit" name="submit" class="btn btn-primary" value="Simpan">
        </div>
      </form>
    </div>
  </div>
  <!-- /.modal-content -->
</div>
<!-- /.modal-dialog -->
</div>
```

MENGUBAH DATA SURAT

MODEL

Ambil data sebelum edit

```
public function get_surat_masuk_by_id($id_surat)
{
    return $this->db->where('id_surat', $id_surat)
        ->get('surat_masuk')
        ->row();
}
```

menyimpan perubahan data

```
public function ubah_surat_masuk()
{
    $data = array(
        'nomor_surat' => $this->input->post('edit_no_surat'),
        'tgl_kirim' => $this->input->post('edit_tgl_kirim'),
        'tgl_terima' => $this->input->post('edit_tgl_terima'),
        'pengirim' => $this->input->post('edit_pengirim'),
        'penerima' => $this->input->post('edit_penerima'),
        'perihal' => $this->input->post('edit_perihal')
    );

    $this->db->where('id_surat', $this->input->post('edit_id_surat'))
        ->update('surat_masuk', $data);

    if($this->db->affected_rows() > 0){
        return TRUE;
    } else {
        return FALSE;
    }
}
```

CONTROLLER

Mengambil data sebelum di edit

```
public function get_surat_masuk_by_id($id_surat)
{
    if($this->session->userdata('logged_in') == TRUE){

        if($this->session->userdata('jabatan') == 'Sekretaris'){

            $data_surat_masuk_by_id = $this->surat_model->get_surat_masuk_by_id($id_surat);
            echo json_encode($data_surat_masuk_by_id);
        }
    } else {
        redirect('login');
    }
}
```

Menyimpan hasil perubahan

```

public function ubah_surat_masuk()
{
    if($this->session->userdata('logged_in') == TRUE){

        if($this->session->userdata('jabatan') == 'Sekretaris'){
            $this->form_validation->set_rules('edit_no_surat', 'No.Surat', 'trim|required');
            $this->form_validation->set_rules('edit_no_surat', 'Tgl.Kirim', 'trim|required|date');
            $this->form_validation->set_rules('edit_no_surat', 'Tgl.Kirim', 'trim|required|date');
            $this->form_validation->set_rules('edit_no_surat', 'Pengirim', 'trim|required');
            $this->form_validation->set_rules('edit_no_surat', 'Penerima', 'trim|required');
            $this->form_validation->set_rules('edit_no_surat', 'Perihal', 'trim|required');

            if ($this->form_validation->run() == TRUE) {

                if($this->surat_model->ubah_surat_masuk() == TRUE ){
                    $this->session->set_flashdata('notif', 'Ubah surat berhasil!');
                    redirect('surat/surat_masuk');
                } else {
                    $this->session->set_flashdata('notif', 'Ubah surat gagal!');
                    redirect('surat/surat_masuk');
                }
            } else {
                $this->session->set_flashdata('notif', validation_errors());
                redirect('surat/surat_masuk');
            }
        } else {
            redirect('login');
        }
    }
}

```

VIEW

Modal untuk edit

```

<!-- MODAL ubah surat -->
<div class="modal fade" id="modal_ubah" tabindex="-1" role="dialog" aria-labelledby="modal_ubahLabel" aria-hidden="true"
data-backdrop="static" data-keyboard="false">
    <div class="modal-dialog">
        <div class="modal-content">
            <form action=<?php echo base_url('index.php/surat/ubah_surat_masuk'); ?>" method="post">
                <div class="modal-header">
                    <h4 class="modal-title" id="modal_ubahLabel">Ubah Surat Masuk</h4>
                </div>
                <div class="modal-body">

                    <input type="hidden" name="edit_id_surat" id="edit_id_surat">

                    <div class="form-group">
                        <label>Nomor Surat</label>
                        <input type="text" name="edit_no_surat" id="edit_no_surat" class="form-control">
                    </div>
                    <div class="form-group">
                        <label>Tgl.Kirim</label>
                        <input type="date" name="edit_tgl_kirim" id="edit_tgl_kirim" class="form-control">
                    </div>
                    <div class="form-group">
                        <label>Tgl.Terima</label>
                        <input type="date" name="edit_tgl_terima" id="edit_tgl_terima" class="form-control">
                    </div>
                    <div class="form-group">
                        <label>Pengirim</label>
                        <input type="text" name="edit_pengirim" id="edit_pengirim" class="form-control">
                    </div>
                    <div class="form-group">
                        <label>Penerima</label>
                        <input type="text" name="edit_penerima" id="edit_penerima" class="form-control">
                    </div>
                    <div class="form-group">
                        <label>Perihal</label>
                        <input type="text" name="edit_perihal" id="edit_perihal" class="form-control">
                    </div>
                </div>
                <div class="modal-footer">
                    <button type="button" class="btn btn-default" data-dismiss="modal">Keluar</button>
                    <input type="submit" class="btn btn-primary" name="submit" value="Simpan">
                </div>
            </form>
        </div>
        <!-- /.modal-content -->
    </div>
    <!-- /.modal-dialog -->
</div>

```

Menampilkan data sebelum di edit ke dalam form menggunakan jquery

```

<script type="text/javascript">
function prepare_update_surat(id_surat)
{
    $('#edit_file_surat').empty();
    $('#edit_id_surat').empty();
    $('#edit_no_surat').empty();
    $('#edit_tgl_terima').empty();
    $('#edit_tgl_kirim').empty();
    $('#edit_penerima').empty();
    $('#edit_pengirim').empty();
    $('#edit_perihal').empty();

    $.getJSON('<?php echo base_url(); ?>index.php/surat/get_surat_masuk_by_id/' + id_surat, function(data){
        $('#edit_file_surat').val(data.id_surat);
        $('#edit_id_surat').val(data.id_surat);
        $('#edit_no_surat').val(data.nomor_surat);
        $('#edit_tgl_terima').val(data.tgl_terima);
        $('#edit_tgl_kirim').val(data.tgl_kirim);
        $('#edit_penerima').val(data.penerima);
        $('#edit_pengirim').val(data.pengirim);
        $('#edit_perihal').val(data.perihal);
    });
}

</script>

```

MENGUBAH FILE SURAT

MODEL

```

public function ubah_file_surat_masuk($file_surat)
{
    $data = array(
        'file_surat' => $file_surat['file_name']
    );

    $this->db->where('id_surat', $this->input->post('edit_file_surat'))
        ->update('surat_masuk', $data);

    if($this->db->affected_rows() > 0){
        return TRUE;
    } else {
        return FALSE;
    }
}

```

CONTROLLER

```

public function ubah_file_surat_masuk(){
    if($this->session->userdata('logged_in') == TRUE){

        if($this->session->userdata('jabatan') == 'Sekretaris'){
            //konfigurasi upload file
            $config['upload_path']      = './uploads/';
            $config['allowed_types']    = 'pdf';
            $config['max_size']         = 2000;
            $this->load->library('upload', $config);

            if ($this->upload->do_upload('edit_file_surat')){

                if($this->surat_model->ubah_file_surat_masuk($this->upload->data()) == TRUE ){
                    $this->session->set_flashdata('notif', 'Ubah file surat berhasil!');
                    redirect('surat/surat_masuk');
                } else {
                    $this->session->set_flashdata('notif', 'Ubah file surat gagal!');
                    redirect('surat/surat_masuk');
                }

            } else {
                $this->session->set_flashdata('notif', $this->upload->display_errors());
                redirect('surat/surat_masuk');
            }
        } else {
            redirect('login');
        }
    }
}

```

VIEW

```
<!-- MODAL ubah surat -->
<div class="modal fade" id="modal_ubah_surat" tabindex="-1" role="dialog" aria-labelledby="modal_ubah_suratLabel" aria-hidden="true"
data-backdrop="static" data-keyboard="false">
    <div class="modal-dialog">
        <div class="modal-content">
            <form action="=php echo base_url('index.php/surat/ubah_file_surat_masuk'); ?" method="post" enctype="multipart/
form-data">
                <div class="modal-header">
                    <h4 class="modal-title" id="modal_ubahsuratLabel">Ubah File Surat</h4>
                </div>
                <div class="modal-body">
                    <input type="hidden" name="edit_file_surat" id="edit_file_surat">
                    <div class="form-group">
                        <label>Unggah Surat (*.pdf)</label>
                        <input type="file" name="edit_file_surat" class="form-control">
                    </div>
                </div>
                <div class="modal-footer">
                    <button type="button" class="btn btn-default" data-dismiss="modal">Keluar</button>
                    <input type="submit" class="btn btn-primary" name="submit" value="Simpan">
                </div>
            </form>
        </div>
        <!-- /.modal-content -->
    </div>
    <!-- /.modal-dialog -->
</div>
```

MENGHAPUS SURAT

MODEL

```
public function hapus_surat_masuk($id_surat)
{
    $this->db->where('id_surat', $id_surat)
        ->delete('surat_masuk');

    if($this->db->affected_rows() > 0){
        return TRUE;
    } else {
        return FALSE;
}
```

CONTROLLER

```
public function hapus_surat_masuk($id_surat)
{
    if($this->session->userdata('logged_in') == TRUE){

        if($this->session->userdata('jabatan') == 'Sekretaris'){
            if($this->surat_model->hapus_surat_masuk($id_surat) == TRUE){
                $this->session->set_flashdata('notif', 'Hapus surat Berhasil!');
                redirect('surat/surat_masuk');
            } else {
                $this->session->set_flashdata('notif', 'Hapus surat gagal!');
                redirect('surat/surat_masuk');
            }
        } else {
            redirect('login');
        }
    } else {
        redirect('login');
    }
}
```

VIEW

tambahkan button hapus

```
<a href="'.base_url('index.php/surat/hapus_surat_masuk/'.$surat_masuk->id_surat).'" 
    class="btn btn-danger btn-sm">Hapus</a>
```