

## **BAB V**

### **PENUTUP**

#### **A. Kesimpulan**

Sesuai dengan apa yang telah dibahas pada bab-bab terdahulu, maka penulis mengambil kesimpulan sebagai berikut:

1. Sistem informasi manajemen yang telah dibangun memberikan kemudahan bagi administrator untuk memajemen data arsip surat akademik.
2. Berdasarkan hasil implementasi sistem dan evaluasi yang dilakukan terhadap penerapan sistem informasi arsip surat akademik berbasis intranet yang dirancang, dapat dikatakan bahwa sistem ini dapat diterapkan dengan baik sebagai sistem informasi arsip surat akademik pada Program Magister Akutansi Fakultas Ekonomi dan Bisnis Universitas Gadjah Mada.
3. Sistem ini dapat menangani pencetakan data surat masuk, surat keluar, surat jadwal, surat pengantar, surat permohonan, surat undangan dan surat tugas.

#### **B. Saran**

Sistem ini memiliki beberapa kekurangan yang dapat dikembangkan untuk memperbaiki kinerja sistem. Adapun saran dari penulis yaitu: sistem dapat dikembangkan dengan menambah fasilitas untuk menyimpan data jenis-jenis surat akademik lainnya.

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# LAMPIRAN

## Listirng Program

### 1. Login

```
<?php
class Login extends CI_Controller{

    function __construct(){
        parent::__construct();
        if($this->session->userdata('is_login')){
            redirect('welcome','refresh');
        }

        $this->load->model('pengguna_model');
    }

    function index(){
        $this->load->view('template/login');
    }

    function masuk(){
        $this->form_validation-
>set_rules('username','Username','trim|required|min_length[4]|max_
_length[10]');
        $this->form_validation-
>set_rules('password','Password','trim|required|min_length[4]');

        $this->form_validation->set_error_delimiters('<div
class="callout callout-danger">','</div>');

        if($this->form_validation->run() == false){
            $this->load->view('template/login');
        }else{
            $username = $this->input->post('username');
            $password = $this->input->post('password');
            $login = $this->pengguna_model-
>login($username, $password);
            if($login){
                $sessi = array(
                    'is_login'=>true,
                    'id_admin'=>$login->id_admin,
                    'nama'=>$login->nama_admin,
                    'id_group'=>$login->id_group,
                    'group'=>$login->group,
                    'password'=>$login->password
                );
                $this->session->set_userdata($sessi);
                redirect('welcome','refresh');
            }else{
                $this->session->set_flashdata('msg','<div
class="callout callout-danger">Username atau password tidak
valid</div>');
                $this->load->view('template/login');
            }
        }
    }
}
```

## 2. Master

```

<?php

class Master extends CI_Controller{
    function __construct(){
        parent::__construct();
        if(!$this->session->userdata('is_login')){
            redirect('login','refresh');
        }

        $this->config->load('grocery_crud');
    }

    function group(){
        $this->grocery_crud
            ->set_table('m_group')
            ->set_subject('Group')
            ->columns('group')
            ->display_as('group','Group')
            ->unique_fields('group')
            ->fields('group')
            ->unset_read()
            ->required_fields('group');
        $rs = $this->grocery_crud->render();
        $data = array(
            'title'=>'Data Group',
            'page'=>'page/crud_template',
            'subject'=>'Data Group',
            'rs'=>$rs
        );

        $this->load->view('template/konten', $data);
    }

    function _create_pass_and_key($post){
        $post['password'] = md5($post['password']);
        return $post;
    }

    function _cek_change_password($post, $key){
        if(isset($post['password'])
!empty($post['password'])){
            $post['password'] =
md5($post['password']);
        }else{
            unset ($post['password']);
        }
        return $post;
    }

    function modul(){
        $this->grocery_crud
            ->set_table('m_modul_aplikasi')
            ->set_subject('Modul')
            -

```

```

>set_relation('parent_id','m_modul_aplikasi','modul',
array('parent_id'=>null))
-
>set_relation_n_n('akses','m_akses_modul','m_group','id_modul','i
d_group','`group`,`priority')
->columns('modul','aktif','parent_id','akses')
->display_as('modul','Nama Modul')
->display_as('path','Url Schema')
->display_as('aktif','Aktif')
->display_as('parent_id','Parent')
->display_as('akses','Group Akses')
->unique_fields('modul','path')
-
>fields('parent_id','modul','path','aktif','akses')
->unset_read()->unset_delete()
->required_fields('modul','path','aktif');
$rs = $this->grocery_crud->render();
$data = array(
    'title'=>'Data Modul Aplikasi',
    'page'=>'page/crud_template',
    'subject'=>'Modul',
    'rs'=>$rs
);
$this->load->view('template/konten', $data);
}

function pengguna(){
    $this->grocery_crud
        ->set_table('tbl_admin')
        ->set_subject('Pengguna')
        ->set_relation('id_group','m_group','group')
        ->columns('nama_admin','username','id_group')
        ->display_as('id_group','Group')
        ->unique_fields('username')
    -
>fields('nama_admin','username','id_group','password')
->unset_read()
->callback_add_field('password',function(){
    return      "<input      type='password'
name='password' />";
    })
->callback_edit_field('password',function(){
    return      "<input      type='password'
name='password' /><small> (* Biarkan kosong jika tidak ingin
mengganti password</small>";
    })
    -
>callback_before_insert(array($this,'_create_pass_and_key'))
    -
>callback_before_update(array($this,'_cek_change_password'))
    -
>required_fields('nama_admin','username','id_group','password');
    $rs = $this->grocery_crud->render();
    $data = array(
        'title'=>'Data Pengguna',
        'page'=>'page/crud_template',

```

```

        'subject'=>'Pengguna',
        'rs'=>$rs
    );

    $this->load->view('template/konten', $data);
}

function jenis_surat(){
    $this->grocery_crud
        ->set_table('tbl_m_jenis_surat')
        ->set_subject('Jenis Surat')
        ->columns('jenis_surat','singkatan')
        ->display_as('jenis_surat','Jenis Surat')
        ->display_as('singkatan','Singkatan Surat')
        ->unique_fields('jenis_surat')
        ->fields('jenis_surat','singkatan')
        ->unset_read()
        ->required_fields('jenis_surat','singkatan');
    $rs = $this->grocery_crud->render();
    $data = array(
        'title'=>'Data Jenis Surat',
        'page'=>'page/crud_template',
        'subject'=>'Jenis Surat',
        'rs'=>$rs
    );

    $this->load->view('template/konten', $data);
}

function unit_kerja(){
    $this->grocery_crud
        ->set_table('tbl_m_unit_kerja')
        ->set_subject('Unit Kerja')
        ->columns('unit_kerja')
        ->display_as('unit_kerja','Unit Kerja')
        ->unique_fields('unit_kerja')
        ->fields('unit_kerja')
        ->unset_read()
        ->required_fields('unit_kerja');
    $rs = $this->grocery_crud->render();
    $data = array(
        'title'=>'Data Unit Kerja',
        'page'=>'page/crud_template',
        'subject'=>'Unit Kerja',
        'rs'=>$rs
    );

    $this->load->view('template/konten', $data);
}

function pejabat(){
    $this->grocery_crud
        ->set_table('tbl_m_pejabat')
        ->set_subject('Pejabat')
        ->columns('nip','nama','jabatan')
        ->unique_fields('nama')

```

```

        ->fields('nip','nama','jabatan')
        ->unset_read()
        ->required_fields('nip','nama','jabatan');
    $rs = $this->grocery_crud->render();
    $data = array(
        'title'=>'Data Pejabat',
        'page'=>'page/crud_template',
        'subject'=>'Pejabat',
        'rs'=>$rs
    );

    $this->load->view('template/konten', $data);
}
}

```

### 3. Surat

```

<?php
class Surat extends CI_Controller{
    function __construct(){
        parent::__construct();
        if(!$this->session->userdata('is_login')){
            redirect('login','refresh');
        }

        $this->config->load('grocery_crud');
    }

    function surat_masuk(){
        $this->load->library('Grocery_CRUD_Multiuploader');
        $crud = new Grocery_CRUD_Multiuploader();
        $crud->set_table('tbl_surat_masuk')
            ->set_subject('Surat Masuk')
            -
    >columns('no_surat','perihal','kepada','asal_surat','lampiran')
        ->display_as('tanggal_surat','Tanggal Surat')
        ->display_as('no_urut_surat','No Urut')
        ->display_as('no_surat','No Surat')
        ->display_as('perihal','Perihal')
        ->display_as('asal_surat','Dari')
        ->display_as('sifat','Sifat')
        ->display_as('alamat_surat','Alamat')
        ->display_as('kepada','Kepada')
        ->display_as('penanda_tangan','Pejabat')
        ->display_as('jabatan_ttd','Jabatan')
        ->display_as('lampiran','Lampiran')
        ->unique_fields('no_surat')
        ->add_action("Disposisi Surat Masuk",
base_url()."assets/d.gif","surat/disposisi","btn-disposisi")
        ->add_action("Tindak Lanjut",
base_url()."assets/t.png","surat/tindak_lanjut","btn-disposisi")
        -
    >fields('tanggal_surat','no_urut_surat','no_surat','perihal','asa

```



```

l_surat','sifat','alamat_surat','kepada','penanda_tangan','jabata
n_ttd','lampiran')
-
>required_fields('tanggal_surat','no_urut_surat','no_surat','peri
hal','asal_surat','sifat','alamat_surat','kepada','penanda_tangan
','jabatan_ttd');

        $config = array(
            "path_to_directory"
=>'assets/uploads/files/',
            "allowed_types"           =>'docx|doc|pdf',
            "show_allowed_types"     => true,
            "no_file_text"           =>'Tidak ada
Lampiran',
            "enable_full_path"       => false,
            "enable_download_button" => true,
            "download_allowed"       => 'pdf|doc|docx'
        );
$crud->new_multi_upload("lampiran",$config);

$rs = $crud->render();
$data = array(
    'title'=>'Data Surat Masuk',
    'page'=>'page/crud_template',
    'subject'=>'Surat Masuk',
    'rs'=>$rs
);

$this->load->view('template/konten', $data);
}

function disposisi($id_surat_masuk){
    $surat_masuk = $this->db-
>get_where('tbl_surat_masuk',
array('id_surat_masuk'=>$id_surat_masuk))->row();
    $this->grocery_crud
        ->set_table('tbl_diposisi')
        ->set_subject('Disposisi')
        -
>set_relation('id_unit_kerja_tujuan','tbl_m_unit_kerja','unit_ker
ja')
        -
>columns('id_unit_kerja_tujuan','jabatan','memo')
        ->where('id_surat_masuk', $id_surat_masuk)
        ->display_as('tujuan','Tujuan')
        ->display_as('id_unit_kerja_tujuan','Unit
Kerja')
        ->display_as('jabatan','Jabatan')
        ->display_as('memo','Memo')
        ->field_type('id_surat_masuk','hidden',
$id_surat_masuk)
        ->field_type('tgl_disposisi','hidden', date('Y-
m-d'))
        ->unset_texteditor('memo')
        -

```

```

>fields('tgl_disposisi','tujuan','id_surat_masuk','id_unit_kerja_tujuan','jabatan','memo')
-
>required_fields('tgl_disposisi','tujuan','id_surat_masuk','id_unit_kerja_tujuan','jabatan','memo');
    $rs = $this->grocery_crud->render();
    $data = array(
        'title'=>'Disposisi Surat Masuk No
'. $surat_masuk->no_surat.',
        'page'=>'page/crud_template_detail',
        'rs'=>$rs
    );

    $this->load->view('template/detail_template', $data);
}

function tindak_lanjut($id_surat_masuk){
    $surat_masuk = $this->db-
>get_where('tbl_surat_masuk',
array('id_surat_masuk'=>$id_surat_masuk))->row();
    $this->grocery_crud
        ->set_table('tbl_tindak_lanjut')
        ->set_subject('Tindak Lanjut')
        ->where('id_surat_masuk', $id_surat_masuk)
        ->columns('tgl','divisi','kepada','keterangan')
        ->unique_fields('kepada')
    -
>fields('tgl','divisi','kepada','keterangan','id_surat_masuk')
    ->unset_texteditor('keterangan')
    ->field_type('id_surat_masuk','hidden',
$id_surat_masuk)
    -
>required_fields('tgl','divisi','kepada','keterangan');
    $rs = $this->grocery_crud->render();
    $data = array(
        'title'=>'Tindak Lanjut Surat Masuk No
'. $surat_masuk->no_surat.',
        'page'=>'page/crud_template_detail',
        'rs'=>$rs
    );

    $this->load->view('template/detail_template', $data);
}

function surat_keluar(){
    $this->load->library('Grocery_CRUD_Multiuploader');
    $crud = new Grocery_CRUD_Multiuploader();
    $crud->set_table('tbl_surat_keluar')
        ->set_subject('Surat Keluar')
    -
>columns('asal_surat','no_surat','tanggal_surat','perihal_surat',
'lampiran')
        ->display_as('asal_surat','Dari')
        ->display_as('tanggal_surat','Tanggal Surat')
        ->display_as('perihal_surat','Perihal')
        ->display_as('no_surat','No Surat')

```

```

->display_as('lampiran','Lampiran')
->display_as('draft','Draft')
->display_as('surat_balasan','Surat Balasan')
->display_as('keterangan','Isi Surat')
->unique_fields('no_surat')
->unset_texteditor('tembusan')
->add_action("View Surat",
base_url()."assets/print.png","surat/cetak_surat","btn-kepada")
->add_action("Tujuan Surat",
base_url()."assets/users.png","surat/tujuan_surat","btn-kepada")
->add_action("Penanda Tangan Surat",
base_url()."assets/t.png","surat/ttd_surat_keluar","btn-kepada")
-
>fields('asal_surat','tanggal_surat','perihal_surat','no_surat','
keterangan','tembusan','lampiran')
-
>required_fields('asal_surat','tanggal_surat','perihal_surat','no
_surat');
    $config = array(
        "path_to_directory"
=>'assets/uploads/files/',
        "allowed_types"           =>'docx|doc|pdf',
        "show_allowed_types"      => true,
        "no_file_text"            =>'Tidak ada
Lampiran',
        "enable_full_path"        => false,
        "enable_download_button"  => true,
        "download_allowed"        => 'pdf|doc|docx'
    );
    $crud->new_multi_upload("lampiran",$config);

    $rs = $crud->render();
    $data = array(
        'title'=>'Data Surat Keluar',
        'page'=>'page/crud_template',
        'subject'=>'Surat Keluar',
        'rs'=>$rs
    );

    $this->load->view('template/konten', $data);
}

function tujuan_surat($id_surat_keluar){
    $surat_keluar = $this->db-
>get_where('tbl_surat_keluar',
array('id_surat_keluar'=>$id_surat_keluar))->row();
    $this->grocery_crud
        ->set_table('tbl_tujuan_surat')
        ->set_subject('Tujuan Surat')
        -
>set_relation('id_unit_kerja','tbl_m_unit_kerja','unit_kerja')
->columns('id_unit_kerja','jabatan')
->where('id_surat_keluar', $id_surat_keluar)
->where('jenis', 'surat_keluar')
->display_as('id_unit_kerja','Unit')

```

```

        ->display_as('jabatan','Jabatan')
    -
>fields('id_unit_kerja','jabatan','id_surat_keluar')
    -
>field_type('id_surat_keluar','hidden',$id_surat_keluar)
    ->unset_read()
    ->required_fields('group');
    $rs = $this->grocery_crud->render();
    $data = array(
        'title'=>'Tujuan Surat Keluar No
        '.$surat_keluar->no_surat.',
        'page'=>'page/crud_template_detail',
        'rs'=>$rs
    );

    $this->load->view('template/detail_template', $data);
}

function ttd_surat_keluar($id_surat_keluar){
    $surat_keluar = $this->db-
>get_where('tbl_surat_keluar',
array('id_surat_keluar'=>$id_surat_keluar))->row();
    $this->grocery_crud
        ->set_table('tbl_penandatanganan')
        ->set_subject('Penanda Tangan Surat')
    -
>set_relation('id_pejabat','tbl_m_pejabat','{nama} {jabatan} ')
    -
>columns('kalimat_persetujuan','id_pejabat','urutan')
    ->where('id_surat', $id_surat_keluar)
    ->where('jenis', 'surat_keluar')
    ->display_as('id_pejabat','Pejabat')
    -
>fields('urutan','kalimat_persetujuan','id_pejabat','jenis','id_s
urat')
    -
>field_type('id_surat','hidden',$id_surat_keluar)
    ->field_type('jenis','hidden','surat_keluar')
    ->field_type('kalimat_persetujuan','text')
    ->unset_texteditor('kalimat_persetujuan')
    ->unset_read()
    -
>required_fields('urutan','kalimat_persetujuan','id_pejabat','jen
is','id_surat');
    $rs = $this->grocery_crud->render();
    $data = array(
        'title'=>'Penanda Tangan Surat Keluar No
        '.$surat_keluar->no_surat.',
        'page'=>'page/crud_template_detail',
        'rs'=>$rs
    );

    $this->load->view('template/detail_template', $data);
}

function cetak_surat($id_surat_keluar){

```

```

        $st      =      $this->db->get_where('tbl_surat_keluar',
array('id_surat_keluar'=>$id_surat_keluar))->row();
        $tttd = $this->db
        -
>join('tbl_m_pejabat', 'tbl_m_pejabat.id_pejabat=tbl_penandatangan
.id_pejabat')
        ->get_where('tbl_penandatangan',
array('id_surat'=>$id_surat_keluar, 'jenis'=>'surat_keluar'));
        $tujuan = $this->db->get_where('tbl_tujuan_surat',
array('id_surat_keluar'=>$id_surat_keluar));

        $data = array(
                'st'=>$st,
                'tujuan'=>$tujuan,
                'tttd'=>$tttd
        );
        $this->load->view('template/cetak/surat_keluar',
$data);
    }

    function surat_tugas(){
        $this->load->library('Grocery_CRUD_Multiuploader');
        $crud = new Grocery_CRUD_Multiuploader();
        $crud->set_table('tbl_surat_tugas')
        ->set_subject('Surat Tugas')
        -
>columns('no_surat_tugas', 'tgl_surat_tugas', 'tujuan_surat', 'perih
al_surat_tugas', 'lampiran')
        ->display_as('no_surat_tugas', 'No Surat')
        ->display_as('tgl_surat_tugas', 'Tgl Surat')
        ->display_as('tujuan_surat', 'Tujuan Surat')
        ->display_as('keterangan_tujuan', 'Agenda
Penugasan')
        ->display_as('perihal_surat_tugas', 'Perihal')
        ->display_as('isi_surat', 'Isi Surat')
        ->display_as('lampiran', 'Lampiran')
        ->unique_fields('no_surat_tugas')
        ->unset_texteditor('keterangan_tujuan')
        ->unset_texteditor('tembusan')
        -
>fields('no_surat_tugas', 'tgl_surat_tugas', 'tujuan_surat', 'ketera
ngan_tujuan', 'perihal_surat_tugas', 'isi_surat', 'tembusan', 'lampir
an')
        ->unset_read()
        ->add_action("View Surat",
base_url()."assets/print.png", "surat/cetak_surat_tugas", "btn-
kepada")
        ->add_action("Tujuan Surat",
base_url()."assets/users.png", "surat/tujuan_surat_tugas", "btn-
kepada")
        ->add_action("Penanda Tangan Surat",
base_url()."assets/t.png", "surat/ttd_surat_tugas", "btn-kepada")
        ->add_action("Pelaksana",
base_url()."assets/total.png", "surat/pelaksana_surat_tugas", "btn-
kepada")
        -

```

```

>required_fields('no_surat_tugas','tgl_surat_tugas','tujuan_surat
','keterangan_tujuan','perihal_surat_tugas','isi_surat');

        $config = array(
            "path_to_directory"
=>'assets/uploads/files/',
            "allowed_types"           =>'docx|doc|pdf',
            "show_allowed_types"      => true,
            "no_file_text"            =>'Tidak ada
Lampiran',
            "enable_full_path"        => false,
            "enable_download_button" => true,
            "download_allowed"        => 'pdf|doc|docx'
        );
$crud->new_multi_upload("lampiran",$config);
$rs = $crud->render();
$data = array(
    'title'=>'Data Surat Tugas',
    'page'=>'page/crud_template',
    'subject'=>'Surat Tugas',
    'rs'=>$rs
);

$this->load->view('template/konten', $data);
}

function pelaksana_surat_tugas($id_surat_tugas){
    $surat_keluar = $this->db-
>get_where('tbl_surat_tugas',
array('id_surat_tugas'=>$id_surat_tugas))->row();
    $this->grocery_crud
        ->set_table('tbl_pelaksana_surat_tugas')
        ->set_subject('Pelaksana')
        ->columns('nama','status','tugas')
        ->where('id_surat_tugas', $id_surat_tugas)
        -
>fields('nama','status','tugas','id_surat_tugas')
        -
>field_type('id_surat_tugas','hidden',$id_surat_tugas)
        ->unset_read()
        -
>required_fields('nama','status','tugas','id_surat_tugas');
    $rs = $this->grocery_crud->render();
    $data = array(
        'title'=>'Pelaksana Surat Tugas No
'.$surat_keluar->no_surat_tugas.',
        'page'=>'page/crud_template_detail',
        'rs'=>$rs
    );

    $this->load->view('template/detail_template', $data);
}

function ttd_surat_tugas($id_surat_tugas){
    $surat_keluar = $this->db-

```

```

>get_where('tbl_surat_tugas',
array('id_surat_tugas'=>$id_surat_tugas))->row();
    $this->grocery_crud
        ->set_table('tbl_penandatanganan')
        ->set_subject('Penanda Tangan Surat')
        -
>set_relation('id_pejabat','tbl_m_pejabat','{nama} {jabatan} ')
        -
>columns('kalimat_persetujuan','id_pejabat','urutan')
        ->where('id_surat', $id_surat_tugas)
        ->where('jenis', 'surat_tugas')
        ->display_as('id_pejabat','Pejabat')
        -
>fields('urutan','kalimat_persetujuan','id_pejabat','jenis','id_s
urat')
        -
>field_type('id_surat','hidden',$id_surat_tugas)
        ->field_type('jenis','hidden','surat_tugas')
        ->field_type('kalimat_persetujuan','text')
        ->unset_texteditor('kalimat_persetujuan')
        ->unset_read()
        -
>required_fields('urutan','kalimat_persetujuan','id_pejabat','jen
is','id_surat');
    $rs = $this->grocery_crud->render();
    $data = array(
        'title'=>'Penanda Tangan Surat Tugas No
'.$surat_keluar->no_surat_tugas.',
        'page'=>'page/crud_template_detail',
        'rs'=>$rs
    );

    $this->load->view('template/detail_template', $data);
}

function tujuan_surat_tugas($id_surat_tugas){
    $surat_keluar = $this->db-
>get_where('tbl_surat_tugas',
array('id_surat_tugas'=>$id_surat_tugas))->row();
    $this->grocery_crud
        ->set_table('tbl_tujuan_surat')
        ->set_subject('Tujuan Surat')
        -
>set_relation('id_unit_kerja','tbl_m_unit_kerja','unit_kerja')
        ->columns('id_unit_kerja','jabatan')
        ->where('id_surat_keluar', $id_surat_tugas)
        ->where('jenis', 'surat_tugas')
        ->display_as('id_unit_kerja','Unit')
        ->display_as('jabatan','Jabatan')
        -
>fields('id_unit_kerja','jabatan','id_surat_keluar','jenis')
        -
>field_type('id_surat_keluar','hidden',$id_surat_tugas)
        ->field_type('jenis','hidden','surat_tugas')
        ->unset_read()
        ->required_fields('group');

```

```

        $rs = $this->grocery_crud->render();
        $data = array(
            'title'=>'Tujuan Surat Tugas No
'. $surat_keluar->no_surat_tugas.',
            'page'=>'page/crud_template_detail',
            'rs'=>$rs
        );

        $this->load->view('template/detail_template', $data);
    }

    function cetak_surat_tugas($id_surat_tugas){
        $st = $this->db->get_where('tbl_surat_tugas',
array('id_surat_tugas'=>$id_surat_tugas))->row();
        $ttd = $this->db
        -
>join('tbl_m_pejabat', 'tbl_m_pejabat.id_pejabat=tbl_penandatanganan
.id_pejabat')
        ->get_where('tbl_penandatanganan',
array('id_surat'=>$id_surat_tugas,'jenis'=>'surat_tugas'));
        $pelaksana = $this->db-
>get_where('tbl_pelaksana_surat_tugas',
array('id_surat_tugas'=>$id_surat_tugas));

        $data = array(
            'st'=>$st,
            'pelaksana'=>$pelaksana,
            'ttd'=>$ttd
        );
        $this->load->view('template/cetak/surat_tugas',
$data);
    }

    /* SURAT KEPUTUSAN
function surat_keputusan(){
    $this->load->library('Grocery_CRUD_Multiuploader');
    $crud = new Grocery_CRUD_Multiuploader();
    $crud->set_table('tbl_surat_keputusan')
        ->set_subject('Surat Keputusan')
        -
>columns('no_surat', 'jenis_surat_keputusan', 'tgl_surat', 'perihal_
surat', 'lampiran')
        ->display_as('no_surat', 'No Surat')
        ->display_as('jenis_surat_keputusan', 'Jenis')
        ->display_as('asal_surat', 'Asal/Dari')
        ->display_as('tgl_surat', 'Tgl.Surat')
        ->display_as('perihal_surat', 'Perihal')
        ->display_as('isi_surat', 'Isi Surat')
        ->display_as('lampiran', 'Lampiran')
        ->unique_fields('no_surat')
        ->add_action("Tujuan Surat",
base_url()."assets/users.png", "surat/tujuan_surat_keputusan", "btn
-kepada")
        ->add_action("Detail Surat Keputusan",
base_url()."assets/detail.png", "surat/detail_surat_keputusan", "bt
n-kepada")

```



```

-
>fields('no_surat','jenis_surat_keputusan','asal_surat','tgl_sura
t','perihal_surat','isi_surat','lampiran')
->unset_read()
-
>required_fields('no_surat','jenis_surat_keputusan','asal_surat',
'tgl_surat','perihal_surat','isi_surat');
$config = array(
    "path_to_directory"
=>'assets/uploads/files/',
    "allowed_types"           =>'docx|doc|pdf',
    "show_allowed_types"     => true,
    "no_file_text"           =>'Tidak ada
Lampiran',
    "enable_full_path"       => false,
    "enable_download_button" => true,
    "download_allowed"       => 'pdf|doc|docx'
);
$crud->new_multi_upload("lampiran",$config);
$rs = $crud->render();
$data = array(
    'title'=>'Surat Keputusan',
    'page'=>'page/crud_template',
    'subject'=>'Surat Keputusan',
    'rs'=>$rs
);

$this->load->view('template/konten', $data);
}

function tujuan_surat_keputusan($id_surat_keputusan){
    $surat_keluar = $this->db-
>get_where('tbl_surat_keputusan',
array('id_surat_keputusan'=>$id_surat_keputusan))->row();
    $this->grocery_crud
        ->set_table('tbl_tujuan_surat')
        ->set_subject('Tujuan Surat')
        -
>set_relation('id_unit_kerja','tbl_m_unit_kerja','unit_kerja')
        ->columns('id_unit_kerja','jabatan')
        ->where('id_surat_keluar', $id_surat_keputusan)
        ->where('jenis', 'surat_keputusan')
        ->display_as('id_unit_kerja','Unit')
        ->display_as('jabatan','Jabatan')
        -
>fields('id_unit_kerja','jabatan','id_surat_keluar','jenis')
        -
>field_type('id_surat_keluar','hidden',$id_surat_keputusan)
        -
>field_type('jenis','hidden','surat_keputusan')
        ->unset_read()
        ->required_fields('group');
    $rs = $this->grocery_crud->render();
    $data = array(
        'title'=>'Tujuan Surat Keputusan

```

```

'. $surat_keluar->no_surat.',
    'page'=>'page/crud_template_detail',
    'rs'=>$rs
    );

    $this->load->view('template/detail_template', $data);
}

function detail_surat_keputusan($id_surat_keputusan){
    $sk = $this->db->get_where('tbl_surat_keputusan',
array('id_surat_keputusan'=>$id_surat_keputusan))->row();
    switch($sk->jenis_surat_keputusan){
        case 'SK Bimbingan':
            $this->_sk_bimbingan($id_surat_keputusan,
$sk);
            break;
        case 'SK Penguji':
            $this->_sk_penguji($id_surat_keputusan,
$sk);
            break;
        case 'SK Yudisium':
            $this->_sk_yudisium($id_surat_keputusan,
$sk);
            break;
        case 'SK Kepanitiaan':
            $this->_sk_panitita($id_surat_keputusan,
$sk);
            break;
        case 'SK Pengajar':
            $this->_sk_pengajar($id_surat_keputusan,
$sk);
            break;
    }
}

function _sk_bimbingan($id_surat_keputusan, $sk){
    $this->grocery_crud
        ->set_table('tbl_sk_bimbingan')
        ->set_subject('SK Bimbingan')
        -
>columns('pembimbing_utama', 'pembimbing_pendamping', 'mhs')
        ->where('id_surat_keputusan',
$id_surat_keputusan)
        ->display_as('pembimbing_utama', 'Pembimbing 1')
        -
>display_as('pembimbing_pendamping', 'Pembimbing 2')
        ->display_as('nama_mahasiswa', 'Nama Mahasiswa')
        ->display_as('mhs', 'Detail Bimbingan')
        -
>display_as('prodi_thn_ajaran', 'Prodi/T.Ajaran')
        ->display_as('judul_skripsi_tesis', 'J.Skripsi')
        ->unset_texteditor('judul_skripsi_tesis')
        ->callback_column('mhs',
array($this, '_detail_mhs'))
        -
>fields('pembimbing_utama', 'pembimbing_pendamping', 'nama_mahasisw

```

```

a', 'prodi_thn_ajaran', 'judul_skripsi_tesis', 'id_surat_keputusan')
-
>field_type('id_surat_keputusan', 'hidden', $id_surat_keputusan)
    ->required_fields('group');
    $rs = $this->grocery_crud->render();
    $data = array(
        'title'=>'Detail ' . $sk->jenis_surat_keputusan.'
No ' . $sk->no_surat.'',
        'page'=>'page/crud_template_detail',
        'rs'=>$rs
    );

    $this->load->view('template/detail_template', $data);
}

function _detail_mhs($v, $r){
    return " $r->nama_mahasiswa           <br/>$r-
>prodi_thn_ajaran<br/>$r->judul_skripsi_tesis";
}

function _sk_penguji($id_surat_keputusan, $sk){
    $this->grocery_crud
        ->set_table('tbl_sk_penguji')
        ->set_subject('Detail SK Penguji')
        ->columns('penguji', 'mhs')
        ->where('id_surat_keputusan',
$id_surat_keputusan)
        ->display_as('jenjang', 'Jenjang Pendidikan')
        ->display_as('jurusan', 'Jurusan')
        ->display_as('nama_mahasiswa', 'Nama Mahasiswa')
        ->display_as('tahun_ajaran', 'Tahun Ajaran')
        ->display_as('mhs', 'Mahasiswa')
        ->unset_texteditor('penguji')
        ->callback_column('mhs',
array($this, '_detail_sk_penguji'))
        ->callback_column('penguji',
array($this, '_penguji'))
    -
>fields('jenjang', 'jurusan', 'tahun_ajaran', 'nama_mahasiswa', 'peng
uji', 'id_surat_keputusan')
    -
>field_type('id_surat_keputusan', 'hidden', $id_surat_keputusan)
    ->callback_before_insert(array($this, '_nl2br'))
    ->callback_before_update(array($this, '_nl2br'))
    -
>required_fields('jenjang', 'jurusan', 'tahun_ajaran', 'nama_mahasis
wa', 'penguji', 'id_surat_keputusan');
    $rs = $this->grocery_crud->render();
    $data = array(
        'title'=>'Detail ' . $sk->jenis_surat_keputusan.'
No ' . $sk->no_surat.'',
        'page'=>'page/crud_template_detail',
        'rs'=>$rs
    );

    $this->load->view('template/detail_template', $data);

```

```

    }

    function _nl2br($post){
        $post['penguji'] = nl2br($post['penguji']);
        return $post;
    }

    function _detail_sk_penguji($v, $r){
        return "$r->nama_mahasiswa <br/>$r->jenjang<br/>$r-
>jurusan $r->tahun_ajaran";
    }

    function _penguji($v, $r){
        return $v;
    }

    function _sk_yudisium($id_surat_keputusan, $sk){
        $this->grocery_crud
            ->set_table('tbl_sk_yudisium')
            ->set_subject('Detail SK Yudisium')
            -
            >columns('no_ijazah', 'nama_mahasiswa', 'masa_studi', 'jml_mk', 'jml_
sks', 'ipk', 'predikat')
            ->where('id_surat_keputusan',
$id_surat_keputusan)
            ->display_as('no_ijazah', 'No Ijazah')
            ->display_as('masa_studi', 'Masa Studi')
            ->display_as('nama_mahasiswa', 'Nama Mahasiswa')
            ->display_as('jml_mk', 'Jml.MK')
            ->display_as('jml_sks', 'Jml.SKS')
            ->display_as('ipk', 'IPK')
            ->display_as('predikat', 'Predikat')
            ->display_as('masa_studi_tahun', 'Masa Studi
(Tahun)')
            ->display_as('masa_studi_bulan', 'Masa Studi
(Bulan)')
            ->callback_column('masa_studi',
array($this, '_masa_studi'))
            -
            >fields('no_ijazah', 'nama_mahasiswa', 'masa_studi_tahun', 'masa_stu
di_bulan', 'jml_mk', 'jml_sks', 'ipk', 'predikat', 'id_surat_keputusan
')
            -
            >field_type('id_surat_keputusan', 'hidden', $id_surat_keputusan)
            ->unset_read()
            -
            >required_fields('no_ijazah', 'nama_mahasiswa', 'masa_studi_tahun',
'masa_studi_bulan', 'jml_mk', 'jml_sks', 'ipk', 'predikat', 'id_surat_
keputusan');
        $rs = $this->grocery_crud->render();
        $data = array(
            'title'=>'Detail '.$sk->jenis_surat_keputusan.'
No '.$sk->no_surat.',',
            'page'=>'page/crud_template_detail',
            'rs'=>$rs
        );
    }

```

```

        $this->load->view('template/detail_template', $data);
    }

    function _masa_studi($v, $r){
        return $r->masa_studi_tahun." Tahun ".$r->masa_studi_bulan." Bulan";
    }

    function _sk_panitia($id_surat_keputusan, $sk){
        $this->grocery_crud
            ->set_table('tbl_sk_panitia')
            ->set_subject('Detail SK Panitia')
            ->columns('nama_panitia','jabatan_tugas')
            ->where('id_surat_keputusan',
$id_surat_keputusan)
            -
>fields('nama_panitia','jabatan_tugas','id_surat_keputusan')
            -
>field_type('id_surat_keputusan','hidden',$id_surat_keputusan)
            ->unset_read()
            -
>required_fields('nama_panitia','jabatan_tugas','id_surat_keputus
an');

        $rs = $this->grocery_crud->render();
        $data = array(
            'title'=>'Detail '.$sk->jenis_surat_keputusan.'
No '.$sk->no_surat.',
            'page'=>'page/crud_template_detail',
            'rs'=>$rs
        );

        $this->load->view('template/detail_template', $data);
    }

    function _sk_pengajar($id_surat_keputusan, $sk){
        $this->grocery_crud
            ->set_table('tbl_sk_pengajar')
            ->set_subject('Detail SK Pengajar')
            -
>columns('mata_kulian','thn_akademik','semester','nama_dosen')
            ->where('id_surat_keputusan',
$id_surat_keputusan)
            ->display_as('thn_akademik','Thn.Akademik')
            -
>fields('mata_kulian','thn_akademik','semester','nama_dosen','id_
surat_keputusan')
            -
>field_type('id_surat_keputusan','hidden',$id_surat_keputusan)
            ->unset_read()
            -
>required_fields('mata_kulian','thn_akademik','semester','nama_do
sen','id_surat_keputusan');

        $rs = $this->grocery_crud->render();
        $data = array(
            'title'=>'Detail '.$sk->jenis_surat_keputusan.'

```

```

No '.$sk->no_surat.',
    'page'=>'page/crud_template_detail',
    'rs'=>$rs
    );

    $this->load->view('template/detail_template', $data);
}
*/

function surat_keterangan(){
    $this->load->library('Grocery_CRUD_Multiuploader');
    $crud = new Grocery_CRUD_Multiuploader();
    $crud->set_table('tbl_surat_keterangan')
        ->set_subject('Surat Keterangan')
        -
>columns('no_surat', 'jenis_surat_keterangan', 'tgl_surat', 'perihal_
_surat', 'lampiran', 'aksi')
    ->display_as('no_surat', 'No Surat')
    ->display_as('jenis_surat_keterangan', 'Jenis')
    ->display_as('tgl_surat', 'Tgl.Surat')
    ->display_as('perihal_surat', 'Perihal')
    ->display_as('lampiran', 'Lampiran')
    ->unique_fields('no_surat')
    -
>callback_column('aksi', array($this, '_kolom_aksi_surat_keterangan
'))
    -
>fields('no_surat', 'jenis_surat_keterangan', 'tgl_surat', 'perihal_
surat', 'lampiran')
    ->unset_read()
    -
>required_fields('no_surat', 'jenis_surat_keterangan', 'tgl_surat',
'perihal_surat');
    $config = array(
        "path_to_directory"
=>'assets/uploads/files/',
        "allowed_types"           =>'docx|doc|pdf',
        "show_allowed_types"      => true,
        "no_file_text"            =>'Tidak ada
Lampiran',
        "enable_full_path"        => false,
        "enable_download_button"  => true,
        "download_allowed"        => 'pdf|doc|docx'
    );
    $crud->new_multi_upload("lampiran", $config);
    $rs = $crud->render();
    $data = array(
        'title'=>'Surat Keterangan',
        'page'=>'page/crud_template',
        'subject'=>'Surat Keputusan',
        'rs'=>$rs
    );

    $this->load->view('template/konten', $data);
}

```

```

function _kolom_aksi_surat_keterangan($v, $r){
    $jenis = $r->jenis_surat_keterangan;
    switch($jenis){
        case 'Keterangan Aktif':
            $href="<a
href='".base_url()."index.php/surat/detail_surat_keterangan_aktif/
".$r->id_surat_keterangan."' class='btn-kepada' title='Detail Surat
Keterangan'><img
src='".base_url()."assets/detail.png' /></a>";
            $print="<a
href='".base_url()."index.php/surat/cetak_surat_keterangan_aktif/
".$r->id_surat_keterangan."' target='_blank' title='Cetak Detail Surat
Keterangan'><img
src='".base_url()."assets/print.png' /></a>";
            break;
        case 'Keterangan Lulus':
            $href="<a
href='".base_url()."index.php/surat/detail_surat_keterangan_lulus/
".$r->id_surat_keterangan."' class='btn-kepada' title='Detail Surat
Keterangan'><img
src='".base_url()."assets/detail.png' /></a>";
            $print="<a
href='".base_url()."index.php/surat/cetak_surat_keterangan_lulus/
".$r->id_surat_keterangan."' target='_blank' title='Cetak Detail Surat
Keterangan'><img
src='".base_url()."assets/print.png' /></a>";
            break;
        case 'Keterangan Dosen Telah Mengajar':
            $href="<a
href='".base_url()."index.php/surat/detail_surat_keterangan_dsn_mengajar/
".$r->id_surat_keterangan."' class='btn-kepada' title='Detail Surat
Keterangan'><img
src='".base_url()."assets/detail.png' /></a>";
            $print="<a
href='".base_url()."index.php/surat/cetak_surat_keterangan_dsn_mengajar/
".$r->id_surat_keterangan."' target='_blank' title='Cetak Detail Surat
Keterangan'><img
src='".base_url()."assets/print.png' /></a>";
            break;
        case 'Keterangan Dosen Penguji':
            $href="<a
href='".base_url()."index.php/surat/detail_surat_keterangan_dsn_penguji/
".$r->id_surat_keterangan."' class='btn-kepada' title='Detail Surat
Keterangan'><img
src='".base_url()."assets/detail.png' /></a>";
            $print="<a
href='".base_url()."index.php/surat/cetak_surat_keterangan_dsn_penguji/
".$r->id_surat_keterangan."' target='_blank' title='Cetak Detail Surat
Keterangan'><img
src='".base_url()."assets/print.png' /></a>";
            break;
    }

    return "<center>".$href." ".$print."</center>";
}

```

```

function
detail_surat_keterangan_aktif($id_surat_keterangan){
    $sk = $this->db->get_where('tbl_surat_keterangan',
array('id_surat_keterangan'=>$id_surat_keterangan))->row();
    $cek = $this->db-
>get_where('tbl_detail_surat_keterangan_aktif',
array('id_surat_keterangan'=>$id_surat_keterangan));
    if($cek->num_rows() > 0){
        $this->grocery_crud->unset_add();
    }
    $this->grocery_crud
    -
>set_table('tbl_detail_surat_keterangan_aktif')
    ->set_subject('Keterangan Aktif')
    -
>set_relation('id_pejabat', 'tbl_m_pejabat', 'nama')
    -
>columns('nama_mahasiswa', 'nim', 'program_studi', 'semester', 'kosen
trasi')
    ->where('id_surat_keterangan',
$id_surat_keterangan)
    ->display_as('nama_mahasiswa', 'Nama Mahasiswa')
    ->display_as('nim', 'Nim')
    ->display_as('program_studi', 'Prodi')
    ->display_as('semester', 'Semester')
    ->display_as('kelas', 'Kelas')
    ->display_as('kosentrasi', 'Kosentrasi')
    ->display_as('tahun_ajaran', 'Thn.Ajaran')
    ->display_as('id_pejabat', 'Ttd.Pejabat')
    -
>fields('nama_mahasiswa', 'nim', 'program_studi', 'semester', 'kelas'
, 'kosentrasi', 'tahun_ajaran', 'id_pejabat', 'id_surat_keterangan')
    -
>field_type('id_surat_keterangan', 'hidden', $id_surat_keterangan);
    $rs = $this->grocery_crud->render();
    $data = array(
        'title'=>'Detail' . $sk-
>jenis_surat_keterangan.' No ' . $sk->no_surat.',
        'page'=>'page/crud_template_detail',
        'rs'=>$rs
    );
    $this->load->view('template/detail_template', $data);
}

function
cetak_surat_keterangan_aktif($id_surat_keterangan){
    $sk = $this->db->get_where('tbl_surat_keterangan',
array('id_surat_keterangan'=>$id_surat_keterangan))->row();
    $detail = $this->db
    -
>join('tbl_m_pejabat', 'tbl_m_pejabat.id_pejabat=tbl_detail_surat_
keterangan_aktif.id_pejabat')
    -
>get_where('tbl_detail_surat_keterangan_aktif',

```



```

array('id_surat_keterangan'=>$id_surat_keterangan));

        $data = array(
                'sk'=>$sk,
                'data'=>$detail->row()
        );
        $this->load-
>view('template/cetak/surat_keterangan_akktif', $data);
    }

    function
detail_surat_keterangan_dsn_mengajar($id_surat_keterangan){
        $sk = $this->db->get_where('tbl_surat_keterangan',
array('id_surat_keterangan'=>$id_surat_keterangan))->row();
        $cek = $this->db-
>get_where('tbl_detail_surat_keterangan_dosen_mengajar',
array('id_surat_keterangan'=>$id_surat_keterangan));
        if($cek->num_rows() > 0){
            $this->grocery_crud->unset_add();
        }

        $this->grocery_crud
        -
>set_table('tbl_detail_surat_keterangan_dosen_mengajar')
        ->set_subject('Keterangan Dosen Mengajar')
        -
>set_relation('id_pejabat', 'tbl_m_pejabat', 'nama')
        ->columns('nama_dosen', 'jabatan')
        ->where('id_surat_keterangan',
$id_surat_keterangan)
        ->display_as('nama_dosen', 'Nama Dosen')
        ->display_as('jabatan_dosen', 'Jabatan')
        ->display_as('id_pejabat', 'Ttd.Pejabat')
        -
>fields('nama_dosen', 'jabatan', 'id_pejabat', 'id_surat_keterangan'
)
        -
>field_type('id_surat_keterangan', 'hidden', $id_surat_keterangan);
        $rs = $this->grocery_crud->render();
        $data = array(
                'title'=>'Detail' . $sk-
>jenis_surat_keterangan.' No ' . $sk->no_surat.'',
                'page'=>'page/crud_template_detail',
                'rs'=>$rs
        );

        $this->load->view('template/detail_template', $data);
    }

    function
cetak_surat_keterangan_dsn_mengajar($id_surat_keterangan){
        $sk = $this->db->get_where('tbl_surat_keterangan',
array('id_surat_keterangan'=>$id_surat_keterangan))->row();
        $detail = $this->db
        -
>join('tbl_m_pejabat', 'tbl_m_pejabat.id_pejabat=tbl_detail_surat_

```

```

keterangan_dosen_mengajar.id_pejabat')
-
>get_where('tbl_detail_surat_keterangan_dosen_mengajar',
array('id_surat_keterangan'=>$id_surat_keterangan));
    $data = array(
        'sk'=>$sk,
        'data'=>$detail->row()
    );
    $this->load-
>view('template/cetak/surat_keterangan_dosen_mengajar', $data);
}

function
detail_surat_keterangan_lulus($id_surat_keterangan){
    $sk = $this->db->get_where('tbl_surat_keterangan',
array('id_surat_keterangan'=>$id_surat_keterangan))->row();
    $cek = $this->db-
>get_where('tbl_detail_surat_keterangan_lulus',
array('id_surat_keterangan'=>$id_surat_keterangan));
    if($cek->num_rows() > 0){
        $this->grocery_crud->unset_add();
    }

    $this->grocery_crud
-
>set_table('tbl_detail_surat_keterangan_lulus')
    ->set_subject('Keterangan Lulus')
-
>set_relation('id_pejabat_dekan', 'tbl_m_pejabat', 'nama')
-
>set_relation('id_pejabat_ketua', 'tbl_m_pejabat', 'nama')
-
>columns('nama_mahasiswa', 'nim', 'program_studi', 'ipk')
    ->where('id_surat_keterangan',
$id_surat_keterangan)
    ->display_as('nama_mahasiswa', 'Nama Mahasiswa')
    ->display_as('nim', 'Nim')
    ->display_as('program_studi', 'Prodi')
    ->display_as('ipk', 'IPK')
    ->display_as('tgl_lulus', 'Tgl.Lulus')
    ->display_as('judul_tesis', 'Judul Tesis')
    ->display_as('id_pejabat_dekan', 'Dekan')
    ->display_as('id_pejabat_ketua', 'Ketua Prodi')
    ->unset_texteditor('judul_tesis')
-
>fields('nama_mahasiswa', 'nim', 'program_studi', 'ipk', 'tgl_lulus',
'judul_tesis', 'id_pejabat_dekan', 'id_pejabat_ketua', 'id_surat_ket
erangan')
-
>field_type('id_surat_keterangan', 'hidden', $id_surat_keterangan);
    $rs = $this->grocery_crud->render();
    $data = array(
        'title'=>'Detail Surat ' . $sk-
>jenis_surat_keterangan.' No ' . $sk->no_surat.'',
        'page'=>'page/crud_template_detail',
        'rs'=>$rs

```

```

);

$this->load->view('template/detail_template', $data);
}

function
cetak_surat_keterangan_lulus($id_surat_keterangan){
    $sk = $this->db->get_where('tbl_surat_keterangan',
array('id_surat_keterangan'=>$id_surat_keterangan))->row();
    $detail = $this->db
->query("SELECT
        A.*,
        B.nama AS nama_dekan,
        B.jabatan AS jabatan_dekan,
        B.nip AS nip_dekan,
        C.nama AS nama_ketua,
        C.jabatan AS jabatan_ketua,
        C.nip AS nip_ketua
FROM
tbl_detail_surat_keterangan_lulus
AS A
INNER JOIN tbl_m_pejabat AS B ON
A.id_pejabat_dekan = B.id_pejabat
INNER JOIN tbl_m_pejabat AS C ON
A.id_pejabat_ketua = C.id_pejabat
WHERE
A.id_surat_keterangan=$id_surat_keterangan");
    $data = array(
        'sk'=>$sk,
        'data'=>$detail->row()
    );
    $this->load-
>view('template/cetak/surat_keterangan_lulus', $data);
}

function
detail_surat_keterangan_dsn_penguji($id_surat_keterangan){
    $sk = $this->db->get_where('tbl_surat_keterangan',
array('id_surat_keterangan'=>$id_surat_keterangan))->row();
    $this->grocery_crud
->set_table('tbl_detail_surat_penguji_dosen')
->set_subject('Keterangan Penguji')
-
>columns('nama_mahasiswa', 'konsentrasi', 'kelas')
->where('id_surat_keterangan',
$id_surat_keterangan)
->display_as('nama_mahasiswa', 'Nama Mahasiswa')
->display_as('konsentrasi', 'Konsentrasi')
->display_as('kelas', 'Kelas')
-
>fields('nama_mahasiswa', 'konsentrasi', 'kelas', 'id_surat_keterang
an')
-
>field_type('id_surat_keterangan', 'hidden', $id_surat_keterangan);
    $rs = $this->grocery_crud->render();
    $data = array(

```

```

        'title'=>'Detail Surat '.$sk-
>jenis_surat_keterangan.' No '.$sk->no_surat.',
        'page'=>'page/crud_template_detail',
        'rs'=>$rs
    );

    $this->load->view('template/detail_template', $data);
}

function
cetak_surat_keterangan_dsn_penguji($id_surat_keterangan){
    $sk = $this->db->get_where('tbl_surat_keterangan',
array('id_surat_keterangan'=>$id_surat_keterangan))->row();
    $detail = $this->db-
>get_where('tbl_detail_surat_penguji_dosen',
array('id_surat_keterangan'=>$id_surat_keterangan));

    $data = array(
        'sk'=>$sk,
        'data'=>$detail
    );
    $this->load-
>view('template/cetak/surat_keterangan_dosen_penguji', $data);
}

function surat_jadwal(){
    $this->grocery_crud
        ->set_table('tbl_surat_jadwal')
        ->set_subject('Surat Jadwal')
        -
>set_relation('id_pejabat', 'tbl_m_pejabat', 'nama', array('jabatan
<> '=>'Staf Pengajar'))
        -
>columns('tgl_surat', 'no_surat', 'jenis_surat', 'perihal_surat', 'ke
pada', 'aksi')
        ->display_as('tgl_surat', 'Tgl.Surat')
        ->display_as('no_surat', 'No.Surat')
        ->display_as('jenis_surat', 'Jenis Surat')
        ->display_as('perihal_surat', 'Perihal')
        ->display_as('id_pejabat', 'Ttd.Pejabat')
        ->display_as('jml_lampiran', 'Jml.Lampiran')
        ->unique_fields('no_surat')
        ->callback_column('kepada',
array($this, '_kepada_jadwal'))
        ->callback_column('aksi',
array($this, '_kolom_aksi_surat_jadwal'))
        -
>fields('tgl_surat', 'no_surat', 'jenis_surat', 'perihal_surat', 'jml
_lampiran', 'id_pejabat')
        ->unset_read()
        -
>required_fields('tgl_surat', 'no_surat', 'jenis_surat', 'perihal_su
rat', 'id_pejabat');
    $rs = $this->grocery_crud->render();
}

```

```

        $data = array(
            'title'=>'Surat Pemberitahuan Jadwal',
            'page'=>'page/crud_template',
            'subject'=>'Data Surat Pemberitahuan Jadwal',
            'rs'=>$rs
        );

        $this->load->view('template/konten', $data);
    }

    function _kepada_jadwal($v, $r){
        $jenis = $r->jenis_surat;
        switch($jenis){
            case 'Konfirmasi Jadwal':
                $return = $this->db
                    -
                >join('tbl_m_pejabat', 'tbl_m_pejabat.id_pejabat=tbl_tujuan_surat_
                    konfirmasi_jadwal.id_pejabat')
                    -
                >get_where('tbl_tujuan_surat_konfirmasi_jadwal',
                    array('id_surat_jadwal'=>$r->id_surat_jadwal))->row()->nama;
                    break;
            case 'Jadwal Ujian Tesis':
            case 'Jadwal Ujian Proposal':
                $kepada = $this->db
                    -
                >join('tbl_m_pejabat', 'tbl_m_pejabat.id_pejabat=tbl_tujuan_surat_
                    ujian_tesis.id_pejabat')
                    -
                >get_where('tbl_tujuan_surat_ujian_tesis',
                    array('id_surat_jadwal'=>$r->id_surat_jadwal));
                    $return="";
                    foreach($kepada->result() as
                    $item){
                        $return.=$item->nama."<br/>";
                    }
                    break;
            case 'Jadwal Mengajar Dosen':
                $return = $this->db
                    -
                >get_where('tbl_tujuan_surat_mengajar_dosen',
                    array('id_surat_jadwal'=>$r->id_surat_jadwal))->row()-
                >nama_dosen;
                    break;
            default:
                $return="-";
            break;
        }

        return $return;
    }

    function _kolom_aksi_surat_jadwal($v, $r){
        $jenis = $r->jenis_surat;
        switch($jenis){
            case 'Konfirmasi Jadwal':

```

```

                $href="<a
href='".base_url()."index.php/surat/tujuan_surat_konfirmasi_jadwa
l/".$r->id_surat_jadwal.'" class='btn-kepada' title='Tujuan Surat
Jadwal'><img src='".base_url()."assets/users.png' /></a>";
                $href.="
                <a
href='".base_url()."index.php/surat/jadwal_surat_konfirmasi_jadwa
l/".$r->id_surat_jadwal.'" class='btn-kepada' title='Jadwal'><img
src='".base_url()."assets/detail.png' /></a>";
                $print="<a
href='".base_url()."index.php/surat/cetak_surat_konfirmasi_jadwal
/".$r->id_surat_jadwal.'" target='_blank' title='Cetak Detail
Surat Jadwal'><img src='".base_url()."assets/print.png' /></a>";
                break;
                case 'Jadwal Ujian Tesis':
                case 'Jadwal Ujian Proposal':
                $href="<a
href='".base_url()."index.php/surat/tujuan_surat_ujian_tesis/".$r
->id_surat_jadwal.'" class='btn-kepada' title='Tujuan Surat Ujian
Tesis'><img src='".base_url()."assets/users.png' /></a>";
                $href.="
                <a
href='".base_url()."index.php/surat/detail_surat_ujian_tesis/".$r
->id_surat_jadwal.'" class='btn-kepada' title='Jadwal'><img
src='".base_url()."assets/detail.png' /></a>";
                $print="<a
href='".base_url()."index.php/surat/cetak_surat_ujian_tesis/".$r
->id_surat_jadwal.'" target='_blank' title='Cetak Detail Surat
Jadwal'><img src='".base_url()."assets/print.png' /></a>";
                break;
                case 'Jadwal Mengajar Dosen':
                $href="<a
href='".base_url()."index.php/surat/tujuan_surat_mengajar_dosen/"
.$r->id_surat_jadwal.'" class='btn-kepada' title='Tujuan Surat
Jadwal'><img src='".base_url()."assets/users.png' /></a>";
                $print="<a
href='".base_url()."index.php/surat/cetak_surat_mengajar_dosen/"
.$r->id_surat_jadwal.'" target='_blank' title='Cetak Detail Surat
Jadwal'><img src='".base_url()."assets/print.png' /></a>";
                break;
                default:
                $href="";
                $print="";
                break;
            }
        }
        return "<center>".$href." ".$print."</center>";
    }

    function tujuan_surat_konfirmasi_jadwal($id_surat_jadwal){
        $sk      =      $this->db->get_where('tbl_surat_jadwal' ,
array('id_surat_jadwal'=>$id_surat_jadwal))->row();
        $cek      =      $this->db-
>get_where('tbl_tujuan_surat_konfirmasi_jadwal' ,
array('id_surat_jadwal'=>$id_surat_jadwal));
        if($cek->num_rows() > 0){
            $this->grocery_crud->unset_add();
        }
    }

```

```

        $this->grocery_crud
        -
>set_table('tbl_tujuan_surat_konfirmasi_jadwal')
        ->set_subject('Tujuan/Kepada')
        -
>set_relation('id_pejabat','tbl_m_pejabat','nama')
        -
>columns('id_pejabat','jabatan','kuliah_dimulai','tgl_uts','tgl_u
as')
        ->where('id_surat_jadwal', $id_surat_jadwal)
        ->display_as('id_pejabat','Dosen')
        ->display_as('kuliah_dimulai','Mulai
Perkuliahan')
        ->display_as('jml_tatap_muka','Jml.Pertemuan')
        ->display_as('tgl_uts','Tgl.UTS')
        ->display_as('tgl_uas','Tgl.UAS')
        ->display_as('keterangan','Keterangan')
        -
>fields('id_pejabat','id_surat_jadwal','kuliah_dimulai','jml_tata
p_muka','tgl_uts','tgl_uas','keterangan')
        ->unset_texteditor('keterangan')
        -
>callback_column('jabatan',array($this,'_jabatan'))
        -
>field_type('id_surat_jadwal','hidden',$id_surat_jadwal);
        $rs = $this->grocery_crud->render();
        $data = array(
            'title'=>'Detail Surat '.$sk->jenis_surat.' No
'.$sk->no_surat.',
            'page'=>'page/crud_template_detail',
            'rs'=>$rs
        );

        $this->load->view('template/detail_template', $data);
    }

    function _jabatan($v, $r){
        $jabatan = $this->db->get_where('tbl_m_pejabat',
array('id_pejabat'=>$r->id_pejabat))->row();
        return $jabatan->jabatan;
    }

    function jadwal_surat_konfirmasi_jadwal($id_surat_jadwal){
        $sk = $this->db->get_where('tbl_surat_jadwal',
array('id_surat_jadwal'=>$id_surat_jadwal))->row();
        $this->grocery_crud
            ->set_table('tbl_detail_jadwal')
            ->set_subject('Jadwal')
            ->where('id_surat_jadwal', $id_surat_jadwal)
            ->columns('tanggal','jam','ruang','keterangan')
            -
>fields('tanggal','jam','ruang','keterangan','id_surat_jadwal')
            ->unset_texteditor('keterangan')
            ->unset_read()
            -
>field_type('id_surat_jadwal','hidden',$id_surat_jadwal)

```

```

-
>required_fields('tanggal','jam','ruang','keterangan');
    $rs = $this->grocery_crud->render();
    $data = array(
        'title'=>'Detail Surat '.$sk->jenis_surat.' No
'. $sk->no_surat.',
        'page'=>'page/crud_template_detail',
        'rs'=>$rs
    );

    $this->load->view('template/detail_template', $data);
}

function cetak_surat_konfirmasi_jadwal($id_surat_jadwal){
    $sk = $this->db
-
>join('tbl_m_pejabat','tbl_m_pejabat.id_pejabat=tbl_surat_jadwal.
id_pejabat')
        ->get_where('tbl_surat_jadwal',
array('id_surat_jadwal'=>$id_surat_jadwal))->row();
    $tujuan = $this->db
-
>join('tbl_m_pejabat','tbl_m_pejabat.id_pejabat=tbl_tujuan_surat_
konfirmasi_jadwal.id_pejabat')
-
>get_where('tbl_tujuan_surat_konfirmasi_jadwal',
array('id_surat_jadwal'=>$id_surat_jadwal));
    $jadwal = $this->db->get_where('tbl_detail_jadwal',
array('id_surat_jadwal'=>$id_surat_jadwal));
    $data = array(
        'sk'=>$sk,
        'tujuan'=>$tujuan->row(),
        'jadwal'=>$jadwal
    );
    $this->load->view('template/cetak/surat_jadwal',
$data);
}

function tujuan_surat_ujian_tesis($id_surat_jadwal){
    $sk = $this->db->get_where('tbl_surat_jadwal',
array('id_surat_jadwal'=>$id_surat_jadwal))->row();
    $this->grocery_crud
        ->set_table('tbl_tujuan_surat_ujian_tesis')
        ->set_subject('Tujuan/Kepada')
-
>set_relation('id_pejabat','tbl_m_pejabat','nama')
-
>columns('id_pejabat','jabatan_pengujian','jabatan')
        ->where('id_surat_jadwal', $id_surat_jadwal)
        ->display_as('id_pejabat','Dosen')
        ->display_as('jabatan_pengujian','Jabatan
Penguji')
-
>fields('id_surat_jadwal','id_pejabat','jabatan_pengujian')
-
>callback_column('jabatan',array($this,'_jabatan'))

```



```

-
>field_type('id_surat_jadwal','hidden',$id_surat_jadwal);
    $rs = $this->grocery_crud->render();
    $data = array(
        'title'=>'Detail Surat '.$sk->jenis_surat.' No
        '.$sk->no_surat.',
        'page'=>'page/crud_template_detail',
        'rs'=>$rs
    );

    $this->load->view('template/detail_template', $data);
}

function detail_surat_ujian_tesis($id_surat_jadwal){
    $sk = $this->db->get_where('tbl_surat_jadwal',
array('id_surat_jadwal'=>$id_surat_jadwal))->row();
    $cek = $this->db-
>get_where('tbl_detail_surat_ujian_tesis',
array('id_surat_jadwal'=>$id_surat_jadwal));
    if($cek->num_rows() > 0){
        $this->grocery_crud->unset_add();
    }
    $this->grocery_crud
        ->set_table('tbl_detail_surat_ujian_tesis')
        ->set_subject('Detail')
-
>columns('nama_mahasiswa','nim','tgl_ujian','jam_ujian','tempat_u
jian')
        ->where('id_surat_jadwal', $id_surat_jadwal)
        ->display_as('nama_mahasiswa','Nama Mahasiswa')
        ->display_as('nim','Nim')
        ->display_as('tgl_ujian','Tgl.Ujian')
        ->display_as('jam_ujian','Jam')
        ->display_as('tempat_ujian','Tempat Ujian')
-
>fields('nama_mahasiswa','nim','tgl_ujian','jam_ujian','tempat_uj
ian','id_surat_jadwal')
-
>callback_column('jabatan',array($this,'_jabatan'))
-
>field_type('id_surat_jadwal','hidden',$id_surat_jadwal);
    $rs = $this->grocery_crud->render();
    $data = array(
        'title'=>'Detail Surat '.$sk->jenis_surat.' No
        '.$sk->no_surat.',
        'page'=>'page/crud_template_detail',
        'rs'=>$rs
    );

    $this->load->view('template/detail_template', $data);
}

function cetak_surat_ujian_tesis($id_surat_jadwal){
    $sk = $this->db
-
>join('tbl_m_pejabat','tbl_m_pejabat.id_pejabat=tbl_surat_jadwal.

```

```

id_pejabat')
        ->get_where('tbl_surat_jadwal',
array('id_surat_jadwal'=>$id_surat_jadwal))->row();
        $tujuan = $this->db
        -
>join('tbl_m_pejabat','tbl_m_pejabat.id_pejabat=tbl_tujuan_surat_
ujian_tesis.id_pejabat')
        ->get_where('tbl_tujuan_surat_ujian_tesis',
array('id_surat_jadwal'=>$id_surat_jadwal));
        $detail = $this->db-
>get_where('tbl_detail_surat_ujian_tesis',
array('id_surat_jadwal'=>$id_surat_jadwal));
        $data = array(
                'sk'=>$sk,
                'tujuan'=>$tujuan,
                'detail'=>$detail->row()
        );
        $this->load->view('template/cetak/surat_ujian_tesis',
$data);
    }

    function tujuan_surat_mengajar_dosen($id_surat_jadwal){
        $sk = $this->db->get_where('tbl_surat_jadwal',
array('id_surat_jadwal'=>$id_surat_jadwal))->row();
        $cek = $this->db-
>get_where('tbl_tujuan_surat_mengajar_dosen',
array('id_surat_jadwal'=>$id_surat_jadwal));
        if($cek->num_rows() > 0){
            $this->grocery_crud->unset_add();
        }
        $this->grocery_crud
            ->set_table('tbl_tujuan_surat_mengajar_dosen')
            ->set_subject('Tujuan/Kepada')
            ->columns('nama_dosen','fakultas')
            ->where('id_surat_jadwal', $id_surat_jadwal)
            ->display_as('nama_dosen','Nama')
            ->display_as('perkuliahan','Perkuliahan')
            ->display_as('periode','Periode')
            ->display_as('awal_kulia','Awal Kuliah')
            -
>display_as('lingkungan_perkuliahan','Lingkungan')
            ->display_as('semester','Semester')
            ->display_as('materi_perkuliahan','Materi
Perkuliahan')
            ->display_as('lama_tatap_muka','Tatap Muka')
            -
>fields('nama_dosen','fakultas','perkuliahan','periode','awal_kul
iah','lingkungan_perkuliahan','semester','materi_perkuliahan','la
ma_tatap_muka','id_surat_jadwal')
            -
>field_type('id_surat_jadwal','hidden',$id_surat_jadwal);
        $rs = $this->grocery_crud->render();
        $data = array(
                'title'=>'Detail Surat '.$sk->jenis_surat.' No
'.$sk->no_surat.',
                'page'=>'page/crud_template_detail',

```

```

        'rs'=>$rs
    );

    $this->load->view('template/detail_template', $data);
}

function cetak_surat_mengajar_dosen($id_surat_jadwal){
    $sk = $this->db
    -
>join('tbl_m_pejabat', 'tbl_m_pejabat.id_pejabat=tbl_surat_jadwal.
id_pejabat')
        ->get_where('tbl_surat_jadwal',
array('id_surat_jadwal'=>$id_surat_jadwal))->row();
    $detail = $this->db-
>get_where('tbl_tujuan_surat_mengajar_dosen',
array('id_surat_jadwal'=>$id_surat_jadwal));
    $data = array(
        'sk'=>$sk,
        'detail'=>$detail->row()
    );
    $this->load-
>view('template/cetak/surat_mengajar_dosen', $data);
}

function surat_pengantar(){
    $this->load->library('Grocery_CRUD_Multiuploader');
    $crud = new Grocery_CRUD_Multiuploader();
    $crud->set_table('tbl_surat_pengantar_penelitian')
    -
>set_relation('id_pejabat', 'tbl_m_pejabat', 'nama')
    -
>set_relation('id_dosen_pembimbing', 'tbl_m_pejabat', 'nama')
    ->set_subject('Surat Pengantar Penelitian')
    -
>columns('no_surat', 'tgl_surat', 'perihal_surat', 'kepada', 'nama_ma
hasiswa', 'aksi')
    ->display_as('no_surat', 'No Surat')
    ->display_as('kepada', 'Kepada')
    ->display_as('tgl_surat', 'Tgl.Surat')
    ->display_as('perihal_surat', 'Perihal')
    ->display_as('lampiran', 'Lampiran')
    ->display_as('nama_mahasiswa', 'Nama Mahasiswa')
    ->display_as('thn_akademik', 'Thn.Akademik')
    ->display_as('topik_tesis', 'Topik Tesis')
    -
>display_as('id_dosen_pembimbing', 'Pembimbing')
    ->display_as('id_pejabat', 'Ttd.Pejabat')
    ->unique_fields('no_surat')
    -
>callback_column('aksi', array($this, '_kolom_aksi_surat_pengantar'
))
    -
>fields('no_surat', 'tgl_surat', 'kepada', 'perihal_surat', 'nama_mah
asiswa', 'nim', 'thn_akademik', 'topik_tesis', 'id_dosen_pembimbing',
'id_pejabat', 'lampiran')
    ->unset_texteditor('topik_tesis')

```

```

-
>required_fields('no_surat','jenis_surat_keterangan','tgl_surat',
'perihal_surat');
    $config = array(
        "path_to_directory"
=>'assets/uploads/files/',
        "allowed_types"           =>'docx|doc|pdf',
        "show_allowed_types"      => true,
        "no_file_text"            =>'Tidak ada
Lampiran',
        "enable_full_path"        => false,
        "enable_download_button"  => true,
        "download_allowed"        => 'pdf|doc|docx'
    );
    $crud->new_multi_upload("lampiran",$config);
    $rs = $crud->render();
    $data = array(
        'title'=>'Surat Pengantar Penelitian',
        'page'=>'page/crud_template',
        'subject'=>'Surat Pengantar Penelitian',
        'rs'=>$rs
    );

    $this->load->view('template/konten', $data);
}

function _kolom_aksi_surat_pengantar($v, $r){
    $print="<a
href='".base_url()."index.php/surat/cetak_surat_pengantar_peneliti
ian/".$r->id_surat_pengantar."' target='_blank' title='Cetak
Detail Surat Jadwal'><img
src='".base_url()."assets/print.png' /></a>";
    return $print;
}

function
cetak_surat_pengantar_penelitian($id_surat_pengantar){
    $detail = $this->db
->query("SELECT
        A.*,
        B.nama AS nama_ttd,
        B.jabatan AS jabatan_ttd,
        B.nip AS nip_ttd,
        C.nama AS nama_dp,
        C.jabatan AS jabatan_dp,
        C.nip AS nip_dp
FROM
tbl_surat_pengantar_penelitian AS A
INNER JOIN tbl_m_pejabat AS B ON
A.id_pejabat = B.id_pejabat
INNER JOIN tbl_m_pejabat AS C ON
A.id_dosen_pembimbing = C.id_pejabat
WHERE
A.id_surat_pengantar=$id_surat_pengantar");
    $data = array(

```

```

        'sk'=>$detail->row()
    );
    $this->load-
>view('template/cetak/surat_pengantar_penelitian', $data);
}

function surat_permohonan(){
    $this->load->library('Grocery_CRUD_Multiuploader');
    $crud = new Grocery_CRUD_Multiuploader();
    $crud->set_table('tbl_surat_umum')
    -
>set_relation('id_pejabat', 'tbl_m_pejabat', 'nama')
    -
>set_relation('id_kepada', 'tbl_m_pejabat', 'nama')
    ->set_subject('Surat Permohonan')
    ->where('jenis_surat', 'Permohonan')
    -
>columns('no_surat', 'tgl_surat', 'perihal_surat', 'id_kepada', 'aksi
')
    ->display_as('no_surat', 'No Surat')
    ->display_as('tgl_surat', 'Tgl.Surat')
    ->display_as('perihal_surat', 'Perihal')
    ->display_as('lampiran', 'Lampiran')
    ->display_as('id_kepada', 'Kepada')
    ->display_as('id_pejabat', 'Ttd.Pejabat')
    ->unique_fields('no_surat')
    -
>callback_column('aksi', array($this, '_kolom_aksi_surat_umum'))
    -
>fields('no_surat', 'tgl_surat', 'id_kepada', 'perihal_surat', 'isi_s
urat', 'id_pejabat', 'lampiran', 'jenis_surat')
    -
>field_type('jenis_surat', 'hidden', 'Permohonan')
    -
>required_fields('no_surat', 'id_kepada', 'tgl_surat', 'perihal_sura
t');

    $config = array(
        "path_to_directory"
=>'assets/uploads/files/',
        "allowed_types"           =>'docx|doc|pdf',
        "show_allowed_types"      => true,
        "no_file_text"            =>'-',
        "enable_full_path"        => false,
        "enable_download_button"  => true,
        "download_allowed"        => 'pdf|doc|docx'
    );

    $crud->new_multi_upload("lampiran", $config);
    $rs = $crud->render();
    $data = array(
        'title'=>'Surat Permohonan',
        'page'=>'page/crud_template',
        'subject'=>'Surat Permohonan',
        'rs'=>$rs
    );
};

```

```

        $this->load->view('template/konten', $data);
    }

    function _kolom_aksi_surat_umum($v, $r){
        $print="<a
href='".base_url()."index.php/surat/cetak_surat_umum/".$r-
>id_surat_umum."' target='_blank' title='Cetak Surat'><img
src='".base_url()."assets/print.png' /></a>";
        return $print;
    }

    function cetak_surat_umum($id_surat_umum){
        $detail = $this->db
            ->query("SELECT
                A.*,
                B.nama AS nama_ttd,
                B.jabatan AS jabatan_ttd,
                B.nip AS nip_ttd,
                C.nama AS nama_kp,
                C.jabatan AS jabatan_kp,
                C.nip AS nip_kp
            FROM
                tbl_surat_umum AS A
            INNER JOIN tbl_m_pejabat AS B ON
A.id_pejabat = B.id_pejabat
            INNER JOIN tbl_m_pejabat AS C ON
A.id_kepada = C.id_pejabat
            WHERE
A.id_surat_umum=$id_surat_umum");
        $data = array(
            'sk'=>$detail->row()
        );
        $this->load->view('template/cetak/surat_umum',
        $data);
    }

    function surat_undangan(){
        $this->load->library('Grocery_CRUD_Multiuploader');
        $crud = new Grocery_CRUD_Multiuploader();
        $crud->set_table('tbl_surat_umum')
            -
        >set_relation('id_pejabat', 'tbl_m_pejabat', 'nama')
            -
        >set_relation('id_kepada', 'tbl_m_pejabat', 'nama')
            ->set_subject('Surat Undangan')
            ->where('jenis_surat', 'Undangan')
            -
        >columns('no_surat', 'tgl_surat', 'perihal_surat', 'id_kepada', 'aksi
        ')
            ->display_as('no_surat', 'No Surat')
            ->display_as('tgl_surat', 'Tgl.Surat')
            ->display_as('perihal_surat', 'Perihal')
            ->display_as('lampiran', 'Lampiran')
            ->display_as('id_kepada', 'Kepada')
            ->display_as('id_pejabat', 'Ttd.Pejabat')
            ->unique_fields('no_surat')
    }

```

```

-
>callback_column('aksi',array($this,'_kolom_aksi_surat_umum'))
-
>fields('no_surat','tgl_surat','id_kepada','perihal_surat','isi_s
urat','id_pejabat','lampiran','jenis_surat')
->field_type('jenis_surat','hidden','Undangan')
-
>required_fields('no_surat','id_kepada','tgl_surat','perihal_sura
t');

$config = array(
    "path_to_directory"
=>'assets/uploads/files/',
    "allowed_types"           =>'docx|doc|pdf',
    "show_allowed_types"     => true,
    "no_file_text"           =>'-',
    "enable_full_path"       => false,
    "enable_download_button" => true,
    "download_allowed"       => 'pdf|doc|docx'

);
$crud->new_multi_upload("lampiran",$config);
$rs = $crud->render();
$data = array(
    'title'=>'Surat Undangan',
    'page'=>'page/crud_template',
    'subject'=>'Surat Undangan',
    'rs'=>$rs
);

$this->load->view('template/konten', $data);
}
}

```

#### 4. Laporan

```

<?php
class Laporan extends CI_Controller{
    function __construct(){
        parent::__construct();
        if(!$this->session->userdata('is_login')){
            redirect('login','refresh');
        }

        $this->config->load('grocery_crud');
        $this->load->model('laporan_model');
    }

    function surat_masuk(){
        $data = array(
            'title'=>'Laporan Surat Masuk',
            'page'=>'page/lap_s_masuk'
        );
    }
}

```

```

        $this->load->view('template/konten', $data);
    }

    function view_surat_masuk(){
        $this->output->enable_profiler(false);
        $periode = $this->input->post('periode');
        $periode = explode("-", $periode);
        $tgl_awal =date("Y-m-d", strtotime($periode[0]));
        $tgl_akhir =date("Y-m-d", strtotime($periode[1]));

        $view      =      $this->db->query("select      *      from
tbl_surat_masuk where tanggal_surat BETWEEN '$tgl_awal' AND
'$tgl_akhir' order by id_surat_masuk asc");
        $data = array(
            'title'=>'Laporan Surat Masuk',
            'periode'=>'Periode
'.date_id($tgl_awal).' s/d '.date_id($tgl_akhir).'',
            'data'=>$view,
            'plaporan'=>'surat_masuk'
        );
        $this->load->view('template/laporan/template',
$data);
    }

    function surat_keluar(){
        $data = array(
            'title'=>'Laporan Surat Keluar',
            'page'=>'page/lap_s_keluar'
        );
        $this->load->view('template/konten', $data);
    }

    function view_surat_keluar(){
        $this->output->enable_profiler(false);
        $periode = $this->input->post('periode');
        $periode = explode("-", $periode);
        $tgl_awal =date("Y-m-d", strtotime($periode[0]));
        $tgl_akhir =date("Y-m-d", strtotime($periode[1]));

        $rs      =      $this->laporan_model->surat_keluar($tgl_awal,
$tgl_akhir);
        $data = array(
            'title'=>'Laporan Surat Keluar',
            'periode'=>'Periode
'.date_id($tgl_awal).' s/d '.date_id($tgl_akhir).'',
            'data'=>$rs,
            'plaporan'=>'surat_keluar'
        );
        $this->load->view('template/laporan/template',
$data);
    }

    function surat_tugas(){
        $data = array(
            'title'=>'Laporan Surat Tugas',
            'page'=>'page/lap_s_tugas'
        );
    }

```



```

        );
        $this->load->view('template/konten', $data);
    }

    function view_surat_tugas(){
        $this->output->enable_profiler(false);
        $periode = $this->input->post('periode');
        $periode = explode("-", $periode);
        $tgl_awal =date("Y-m-d", strtotime($periode[0]));
        $tgl_akhir =date("Y-m-d", strtotime($periode[1]));

        $rs = $this->laporan_model->surat_tugas($tgl_awal,
        $tgl_akhir);
        $data = array(
            'title'=>'Laporan Surat Tugas',
            'periode'=>'Periode
'.date_id($tgl_awal).' s/d '.date_id($tgl_akhir).'',
            'data'=>$rs,
            'plaporan'=>'surat_tugas'
        );
        $this->load->view('template/laporan/template',
        $data);
    }

    function surat_keputusan(){
        $data = array(
            'title'=>'Laporan Surat Keputusan',
            'page'=>'page/lap_sk'
        );
        $this->load->view('template/konten', $data);
    }

    function view_sk(){
        $this->output->enable_profiler(false);
        $periode = $this->input->post('periode');
        $periode = explode("-", $periode);
        $tgl_awal =date("Y-m-d", strtotime($periode[0]));
        $tgl_akhir =date("Y-m-d", strtotime($periode[1]));
        $jenis = $this->input->post('jenis');

        $rs = $this->laporan_model->surat_keputusan($tgl_awal, $tgl_akhir, $jenis);
        $data = array(
            'title'=>'Laporan Surat Keputusan',
            'periode'=>'Periode
'.date_id($tgl_awal).' s/d '.date_id($tgl_akhir).'',
            'data'=>$rs,
            'plaporan'=>'sk'
        );
        $this->load->view('template/laporan/template',
        $data);
    }
}

```