

**APLIKASI**  
**ENTERPRISE SMK N 1 BATANG**  
**( Modul TU - Management Siswa )**



Disusun oleh :

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Kelas : 4P52

**STMIK Widya Pratama Pekalongan**  
**2023**

# TUGAS 7

## Membuat insert, hapus dan validasi

1. membuat function insert dan delete

Pada App>controller> siswa buat function insert dan delete

```
<?php
namespace App\Controllers;

use CodeIgniter\Controller;
use App\Models\siswa_model;

class siswa extends BaseController
{

    public function index()
    {
        # code...
        $model = new siswa_model();
        $data['siswa'] = $model->getSiswa();
        echo view('siswa/index', $data);
    }

    public function create()
    {
        # code...
        return view('siswa/create');
    }

    public function store()
    {
        $validation = \Config\Services::validation();

        $data = array(
            'nis' => $this->request->getPost('nis'),
            'nama_siswa' => $this->request->getPost('nama_siswa'),
            'tempat_lahir' => $this->request->getPost('tempat_lahir'),
            'tgl_lahir' => $this->request->getPost('tgl_lahir'),
            'jenis_kelamin' => $this->request->getPost('jenis_kelamin'),
            'agama' => $this->request->getPost('agama'),
            'alamat' => $this->request->getPost('alamat'),
            'jurusan' => $this->request->getPost('jurusan'),
            'no_hp' => $this->request->getPost('no_hp'),
            'id_kelas' => $this->request->getPost('id_kelas')

        );

        if($validation->run($data, 'siswa') == FALSE){
```

```

        session()->setFlashdata('inputs', $this->request->getPost());
        session()->setFlashdata('errors', $validation->getErrors());
        return redirect()->to(base_url('siswa/create'));
    } else {
        $model = new siswa_model();
        $simpan = $model->insertSiswa($data);
        if($simpan)
        {
            session()->setFlashdata('success', 'Created data siswa
successfully');
            return redirect()->to(base_url('siswa'));
        }
    }
}

public function edit($data){
    $model = new siswa_model();
    $data['siswa'] = $model->updateSiswa($data)->getRowArray();
    echo view('siswa/edit', $data);
}

public function update(){
    $id = $this->request->getPost('nis');
    $validation = \Config\Services::validation();

    // // get file
    // $image = $this->request->getFile('product_image');
    // // random name file
    // $name = $image->getRandomName();

    $data = array(
        'nis'      => $this->request->getPost('nis'),
        'nama_siswa' => $this->request->getPost('nama_siswa'),
        'tempat_lahir' => $this->request->getPost('tempat_lahir'),
        'tgl_lahir'  => $this->request->getPost('tgl_lahir'),
        'jenis_kelamin' => $this->request->getPost('jenis_kelamin'),
        'agama'     => $this->request->getPost('agama'),
        'alamat'    => $this->request->getPost('alamat'),
        'jurusan'   => $this->request->getPost('jurusan'),
        'no_hp'     => $this->request->getPost('no_hp'),
        'id_kelas'  => $this->request->getPost('id_kelas')
    );
    if($validation->run($data, 'siswa') == FALSE){
        session()->setFlashdata('inputs', $this->request->getPost());
        session()->setFlashdata('errors', $validation->getErrors());
        return redirect()->to(base_url('siswa/edit'. $id));
    } else {
        // //upload
        // $image->move(ROOTPATH. 'public/uploads', $name);
    }
}

```

```

        // //update
        $ubah = $this->siswa_model->updateSiswa($data,$id);
        if($ubah)
        {
            session()->setFlashdata('success', 'Update siswa
successfully');
            return redirect()->to(base_url('siswa'));
        }
    }
}

public function delete($id){
    $model = new siswa_model();
    // $hapus = $this->siswa_model->deleteSiswa($id);
    $hapus = $model->deleteSiswa($id);
    if($hapus)
    {
        session()->setFlashdata('warning', 'Delete siswa
successfully');
        return redirect()->to(base_url('siswa'));
    }
}
}
}

```

2. lalu pada APP>models>siswa\_model juga buat public function insert dan delete

```

<?php

namespace App\Models;

use CodeIgniter\Model;

class siswa_model extends Model
{
    protected $table = 'siswa';

    public function getSiswa()
    {
        return $this->db->table('siswa')
            ->join('kelas', 'siswa.id_kelas = kelas.id_kelas')
            ->get()->getResultArray();
    }

    public function insertSiswa($data)
    {
        return $this->db->table($this->table)->insert($data);
    }
}

```

```
public function updateSiswa($data)
{
    return $this->db->table($this->table)->update($data);
}
public function deleteSiswa($id)
{
    return $this->db->table($this->table)->delete(['nis' => $id]);
}
}
```

3. pada App>views>siswa>create tambahkan source code berikut

[illegible]



```

<label>Jenis Kelamin <span
class="login-danger">*</span></label>
<select name="jenis_kelamin"
class="form-control select">
<option value="">Pilih Jenis
Kelamin</option>
<option <?php //echo
$inputs['jenis_kelamin'] == "Laki-Laki" ? "selected" : "";
?> value="Laki-Laki">Laki-
Laki</option>
<option <?php //echo
$inputs['jenis_kelamin'] == "Perempuan" ? "selected" : "";
?>
value="Perempuan">Perempuan</option>
</select>
</div>
</div>
<div class="col-12 col-sm-4">
<div class="form-group local-forms">
<label>Tempat Lahir </label>
<input class="form-control"
type="text" placeholder="Isikan Tempat Lahir"
name="tempat_lahir" value="<?php //echo $inputs['tempat_lahir']; }?>">
</div>
</div>
<div class="col-12 col-sm-4">
<div class="form-group local-forms
calendar-icon">
<label>Tanggal Lahir <span
class="login-danger">*</span></label>
<input class="form-control
datetimepicker" type="date" placeholder="DD-MM-YYYY"
name="tgl_lahir" value="<?php //echo $inputs['tgl_lahir']; }?>">
</div>
</div>
<div class="col-12 col-sm-4">
<div class="form-group local-forms">
<label>Agama <span class="login-
danger">*</span></label>
<select name="agama" class="form-
control select">
<option value="">Pilih Agama</option>
<option <?php //echo $inputs['agama']
== "Islam" ? "selected" : "";
?>
value="Islam">Islam</option>
<option <?php //echo $inputs['agama']
== "Kristen" ? "selected" : "";

```

```

        ?>
value="Kristen">Kristen</option>
        <option <?php //echo $inputs['agama']
== "Hindu" ? "selected" : "";
        ?>
value="Hindu">Hindu</option>
        <option <?php //echo $inputs['agama']
== "Budha" ? "selected" : "";
        ?>
value="Budha">Budha</option>
        <option <?php //echo $inputs['agama']
== "Konghucu" ? "selected" : "";
        ?>
value="Konghucu">Konghucu</option>
        <option <?php //echo $inputs['agama']
== "Lainya" ? "selected" : "";
        ?>
value="Lainya">Lainya</option>
    </select>
</div>
</div>
<div class="col-12 col-sm-4">
    <div class="form-group local-forms">
        <label>Kelas <span class="login-
danger">*</span></label>
        <select name="id_kelas" class="form-
control select">
            <option value="">Silahkan Pilih
Kelas</option>
            <option <?php //echo
$inputs['id_kelas'] == "1" ? "selected" : "";
                ?> value="1">1</option>
            <option <?php //echo
$inputs['id_kelas'] == "2" ? "selected" : "";
                ?> value="2">2</option>
            <option <?php //echo
$inputs['id_kelas'] == "3" ? "selected" : "";
                ?> value="3">3</option>
        </select>
    </div>
</div>
<div class="col-12 col-sm-4">
    <div class="form-group local-forms">
        <label>No HP <span class="login-
danger">*</span></label>
        <input class="form-control"
type="text" placeholder="Isikan Nomor HP" name="no_hp" value="<?php //echo
$inputs['no_hp']; }?>">

```





```

    * rules that are available.
    *
    * @var string[]
    */
    public array $ruleSets = [
        Rules::class,
        FormatRules::class,
        FileRules::class,
        CreditCardRules::class,
    ];

    /**
     * Specifies the views that are used to display the
     * errors.
     *
     * @var array<string, string>
     */
    public array $templates = [
        'list' => 'CodeIgniter\Validation\Views\list',
        'single' => 'CodeIgniter\Validation\Views\single',
    ];

    // -----
    // Rules
    // -----
    public $siswa = [
        'nis' => 'required',
        'nama_siswa' => 'required',
        'tempat_lahir' => 'required',
        'jurusan' => 'required',
        'tgl_lahir' => 'required',
        'jenis_kelamin' => 'required',
        'agama' => 'required',
        'alamat' => 'required',
        'no_hp' => 'required',
        'id_kelas' => 'required'
    ];

    public $siswa_errors = [
        'nis' => [
            'required' => 'NIS wajib diisi.',
        ],
        'nama_siswa' => [
            'required' => 'Nama wajib diisi.',
        ],
        'tempat_lahir' => [
            'required' => 'Tempat Lahir wajib diisi.',
        ],
    ];

```

```

    ],
    'jurusan'    => [
        'required' => 'jurusan wajib diisi.',
    ],
    'tgl_lahir'   => [
        'required' => 'tanggal lahir wajib diisi.',
    ],
    'jenis_kelamin' => [
        'required' => 'jenis Kelamin wajib diisi.',
    ],
    'agama'       => [
        'required' => 'agama wajib diisi.',
    ],
    'alamat'      => [
        'required' => 'alamat wajib diisi.',
    ],
    'no_hp'       => [
        'required' => 'no_hp wajib diisi.',
    ],
    'id_kelas'    => [
        'required' => 'Kelas wajib diisi.'
    ],
];
}

```

## HASIL TAMPILAN

The screenshot displays the 'Tambah Siswa' (Add Student) interface of the SKANSA application. The left sidebar shows the navigation menu with options like Main Menu, Dashboard, Management Siswa, Data Guru, Kurikulum, Data Absen, Management Kelas, Management Nilai, and User. The top right shows the user profile as 'Kyrie Administrator'. The main form area is titled 'Tambah Siswa' and contains a section 'Informasi Siswa' with the following fields and values:

Field	Value
NIS *	33251151
Nama Siswa *	FADHILLAH PUTRI S
Jurusan *	TKJ
Jenis Kelamin *	Perempuan
Tempat Lahir	BATANG
Tanggal Lahir *	11/03/2003
Agama *	Islam
Kelas *	2
No HP *	098767
Alamat *	KALISALAK

A blue 'Submit' button is located at the bottom of the form.

Search here

Kyrie Administrator

Main Menu

Dashboard

Management Siswa

Data Guru

Kurikulum

Data Absen

Management Kelas

Management Nilai

User

Home / Management Siswa

Search by NIS ...

Search by Nama ...

Search by Kelas ...

SEARCH

Students

+ Tambah

No	NIS	Nama	Tempat, tanggal Lahir	Jenis Kelamin	Agama	Alamat	Kelas dan Jurusan	No Hp	Action
1	33251151	FADHILLAH PUTRI S	BATANG , 2003-03-11	Perempuan	Islam	KALISALAK	10 TKJ	098767	

Jika ada salah satu data yang belum di isi maka akan di validasi dan akan memunculkan pesan error

Informasi Siswa

NIS \*

33251151

Nama Siswa \*

jeno

Jurusan \*

om

Jenis Kelamin \*

Laki-Laki

Tempat Lahir

BATANG

Tanggal Lahir \*

dd/mm/yyyy

Agama \*

Konghucu

Kelas \*

1

No HP \*

098767

Alamat \*

Submit

Pesan salah

SKANSA

Search here

Kyrie Administrator

Main Menu

Dashboard

Management Siswa

Data Guru

Kurikulum

Data Absen

Management Kelas

Management Nilai

User

Tambah Siswa

Siswa / Tambah Si

Whoops! Ada kesalahan saat input data, yaitu:  
tanggal lahir wajib diisi.  
alamat wajib diisi.

Informasi Siswa

NIS \*

Isikan NIS

Nama Siswa \*

Isikan Nama

Jurusan \*

Isikan Jurusan

Jenis Kelamin \*

Pilih Jenis Kelamin

Tempat Lahir

Isikan Tempat Lahir

Tanggal Lahir \*

dd/mm/yyyy

## Menghapus data

Data awal :

Students										+ Tambah
No	NIS	Nama	Tempat, tanggal Lahir	Jenis Kelamin	Agama	Alamat	Kelas dan Jurusan	No Hp	Action	
1	15677	jeno	SAMBONG , 2003-03-13	Laki-Laki	Lainya	PEKALONGAN	10 MM	5678	 	
2	33251151	FADHILLAH PUTRI S	BATANG , 2003-03-11	Perempuan	Islam	KALISALAK	10 TKJ	098767	 	

Akan menghapus ada no. 2 dengan klik icon hapus

Akan muncul pesan validasi

localhost:8080/siswa

SKANSA





Search here

Management Siswa

Search by NIS ... Search by Nama ... Search by Kelas ... SEARCH

Students

+ Tambah

No	NIS	Nama	Tempat, tanggal Lahir	Jenis Kelamin	Agama	Alamat	Kelas dan Jurusan	No Hp	Action
1	15677	jeno	SAMBONG , 2003-03-13	Laki-Laki	Lainya	PEKALONGAN	10 MM	5678	 
2	33251151	FADHILLAH PUTRI S	BATANG , 2003-03-11	Perempuan	Islam	KALISALAK	10 TKJ	098767	 

localhost:8080 says  
Apakah Anda yakin ingin Data Siswa ini?

OK Cancel

Home / Management Siswa

Klik OK setelah itu data akan terhapus

SKANSA



Search here

Management Siswa

Search by NIS ... Search by Nama ... Search by Kelas ... SEARCH

Students

+ Tambah

No	NIS	Nama	Tempat, tanggal Lahir	Jenis Kelamin	Agama	Alamat	Kelas dan Jurusan	No Hp	Action
1	15677	jeno	SAMBONG , 2003-03-13	Laki-Laki	Lainya	PEKALONGAN	10 MM	5678	 

Home / Management Siswa