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# Codeigniter - CRUD dengan Angularjs

Oleh: Achmad Maulana

## CRUD menggunakan angular js dan codeigniter



pertama download versi codeigniter 3.1.6 karena di tutor ini saya menggunakan versi terbaru dari codeigniter itu sendiri ,

berikut LINK : <https://codeigniter.com/download>

config terlebih dahulu base\_url , database nya , dan autoload nya serta route nya jangan sampai lupa ya

yang terdapat di folder application / config /

autoload.php

```
$autoload['libraries'] =
array('database','session','form_validation','pagination','user_agent');

/*
| -----
|   Auto-load Helper Files
| -----
| Prototype:
|
|       $autoload['helper'] = array('url', 'file');
*/
$autoload['helper'] = array('url','file','form','url_helper');
```

config.php

```
$config['base_url'] = ((isset($_SERVER['HTTPS']) && $_SERVER['HTTPS'] ==
"on") ? "https" : "http");
$config['base_url'] .= "://".$_SERVER['HTTP_HOST'];
$config['base_url'] .=
str_replace(basename($_SERVER['SCRIPT_NAME']),"",$_SERVER['SCRIPT_NAME']);

/*
```

```

|-----
|
| Index File
|-----
|
| Typically this will be your index.php file, unless you've renamed it to
| something else. If you are using mod_rewrite to remove the page set this
| variable so that it is blank.
|
|*/
$config['index_page'] = '';

```

database.php

```

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

$active_group = 'default';
$query_builder = TRUE;

$db['default'] = array(
    'dsn'          => '',
    'hostname'    => 'localhost',
    'username'    => 'root',
    'password'    => '',
    'database'    => 'nama database',-->nama database nya agan/sista
    'dbdriver'    => 'mysqli',
    'dbprefix'    => '',
    'pconnect'    => FALSE,
    'db_debug'    => (ENVIRONMENT !== 'production'),
    'cache_on'    => FALSE,
    'cachedir'    => '',
    'char_set'    => 'utf8',
    'dbcollat'    => 'utf8_general_ci',
    'swap_pre'    => '',
    'encrypt'     => FALSE,
    'compress'    => FALSE,
    'stricton'    => FALSE,
    'failover'    => array(),
    'save_queries' => TRUE
);

```

!----- tahap konfigurasi selesai -----!

1. buat controller terlebih dahulu dengan nama bebas sih apa aja yang agan dan sista mau .

application/controller/Firstpage.php

```

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

```

```

class Firstpage extends CI_Controller {
    public function __construct() {
        parent::__construct();
        $this->load->database();
        //models connection back-end
        $this->load->model('M_settings', 'settings');// jangan lupa load
model nya ya gan
        $this->load->helper(array('url'));
        //end models connection back-end
    }
    public function index() {
        $this->data['title_head'] = "example adding";
        $this->data['header'] = 'adding use angular js';
        $this->data['subheader'] = 'example';
        $this->data['page'] = 'website';
        //--- main content
        $this->load->view('v_adding', $this->data);
        //--- end main content
    }
    public function get_data() {
        $data = $this->settings->get_main_data();
        if(empty($data)){

        } else {
            $i = 0;
            foreach ($data as $list) {
                $result[$i]['id'] = $list->id;
                $result[$i]['title'] = $list->title;
                $result[$i]['description'] =
(strlen(strip_tags($list->description)) > 80) ?
substr(strip_tags($list->description),0,80).' . . . ' : $list->description;
                $i++;
            }
            echo json_encode($result);
        }
    }
    public function add() {
        $postdata = json_decode(file_get_contents("php://input"), true);

        $data = $this->settings->save($postdata);

        if($data) {
            echo "success";
        } else {
            echo "failure";
        }
    }
    public function get_search() {
        $data = $this->settings->get_search_data($this->uri->segment(3));
        if(empty($data)){

```

```

    } else {
        $i = 0;
        foreach ($data as $list) {
            $result[$i]['id'] = $list->id;
            $result[$i]['title'] = $list->title;
            $result[$i]['description'] =
(strlen(strip_tags($list->description)) > 80) ?
substr(strip_tags($list->description),0,80).' . . . ' : $list->description;
            $i++;
        }
        echo json_encode($result);
    }
}

public function get_id($id) {
    $data = $this->settings->get_by_id($id);
    echo json_encode($data);
}

public function edit($id)
{
    $postdata = json_decode(file_get_contents("php://input"), true);

    $data = $this->settings->update(array('id' => $id), $postdata);

    if($data) {
        echo "success";
    } else {
        echo "failure";
    }
}

public function delete($id) {
    $this->settings->delete_data($id);
    echo json_encode(array("status" => TRUE));
}

public function delete_check_data() {
    $val = json_decode(file_get_contents("php://input"), true);
    $i = 0;
    foreach ($val as $list) {
        $data[$i] = $this->settings->delete_multi_data($list);
        $i++;
    }
    echo json_encode(array("status" => TRUE));
}
}

```

2. tahap kedua membuat models untuk pengambilan database nya berikut source code nya :

```

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

// -- settings -- \\
class M_settings extends CI_Model {
    //-- settings page --\\
    // function
    function get_main_data()
    {
        $this->db->from('unit_testing');
        $query = $this->db->get();
        return $query->result();
    }
    function save($request)
    {
        $timezone      = new DateTimeZone("Asia/Jakarta");//untuk
        menyesuaikan dengan jam indonesia
        $dat            = new DateTime();//untuk menyesuaikan dengan jam
        indonesia
        $dat->setTimezone($timezone);//untuk menyesuaikan dengan jam
        indonesia
        $date           = date('Y-m-d');
        $time           = $dat->format('H:i:s'); // format jam dipanggil
        disini
        $insertStatus =
        $this->db->insert('unit_testing',array('title'=>$request['title'],'descrip
        tion'=>$request['description']));
        return $insertStatus;
    }
    function get_by_id($id)
    {
        $this->db->where('a.id', $id);
        $this->db->from('unit_testing as a');
        $this->db->select('a.*');
        $query = $this->db->get();
        return $query->row();
    }
    function update($where, $request){
        $timezone      = new DateTimeZone("Asia/Jakarta");//untuk
        menyesuaikan dengan jam indonesia
        $dat            = new DateTime();//untuk menyesuaikan dengan jam
        indonesia
        $dat->setTimezone($timezone);//untuk menyesuaikan dengan jam
        indonesia
        $date           = date('Y-m-d');
        $time           = $dat->format('H:i:s'); // format jam dipanggil
        disini
        $this->db->update('unit_testing',
        array('title'=>$request['title'],'description'=>$request['description'],
        'date_modified'=>$date), $where);
    }
}

```

```

        return $this->db->affected_rows();
    }
    function get_search_data($key)
    {
        $this->db->from('unit_testing as a');
        $this->db->select('a.*');
        $this->db->like('a.title', $key);
        $this->db->or_like('a.description', $key);
        $query = $this->db->get();
        return $query->result();
    }
    function delete_data($id)
    {
        $this->db->where('id', $id);
        $this->db->delete('unit_testing');
    }
    function delete_multi_data($id)
    {
        $this->db->where('id', $id);
        $this->db->delete('unit_testing');
    }
}

```

3. tahap ketiga adalah membuat view nya serta javascriptnya untuk menyimpan data :

```

<!doctype html>
<html lang="en">

<head>
    <title>adding use angular js</title>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">
    <!-- Bootstrap CSS -->
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-beta.2/css/bootstrap.
min.css"
integrity="sha384-PsH8R72JQ3S0dhVi3uxftmaW6Vc51MKb0q5P2rRUppvrszuE4W1povHY
gTpBfshb" crossorigin="anonymous">
    <!-- alerts CSS -->
    <link
href="<?=base_url("assets/back/");?>plugins/sweetalert2/sweetalert2.min.cs
s" rel="stylesheet" type="text/css">

    <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCKRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93
hXpG5KkN" crossorigin="anonymous"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.3/umd/popper.mi

```

```

n.js"
integrity="sha384-vFJXuSJphR0IrBnz7yo7oB41mKfc8JzQZiCq4NCceLEa04IHwicKwpJf
9c9IpFgh" crossorigin="anonymous"></script>
  <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-beta.2/js/bootstrap.m
in.js"
integrity="sha384-alpBpkh1PF0epccYVYDB4do5UnbKysX5WZXM3XxPqe5iKTfUKjNkCk9S
aVuEZflJ" crossorigin="anonymous"></script>
  <script
src="<?=base_url("assets/back/");?>plugins/sweetalert2/sweetalert2.min.js"
></script>

  <script>var asset_url="<?=base_url();?>assets/back"; var base_url
="<?=base_url();?>firstpage/";</script>

  <script
src="<?=base_url("assets/back/");?>plugins/angularjs/angular.min.js"></scr
ipt>
  <script
src="<?=base_url("assets/back/");?>plugins/jquery/jquery.validate.min.js">
</script>
  <script
src="<?=base_url("assets/back/");?>plugins/angularjs/angular-validate.min.
js"></script>
</head>

<body>
  <div class="container-fluid">
    <div ng-app="app" ng-controller="dataController"
ng-init="showdata()" class="col-12">
      <div class="card">
        <div class="card-body">
          <h4 class="card-title">adding data</h4>
          <div class="row">
            <div class="col-md-6">
              <p class="text-muted m-t-0">
                <div class="btn-group">
                  <button type="button" class="btn
btn-danger dropdown-toggle" data-toggle="dropdown" aria-haspopup="true"
aria-expanded="false">aksi</button>
                  <div class="dropdown-menu animated
flipInX" x-placement="bottom-start" style="position: absolute; transform:
translate3d(0px, 36px, 0px); top: 0px; left: 0px; will-change:
transform;">
                    <a class="dropdown-item"
ng-click="showme=true">menambahkan data</a>
                  </div>
                </div>
              </p>
            </div>
          </div>
        </div>
      </div>
    </div>
  </body>

```



```

        <div class="col-md-6">
            <div class="input-group">
                <input type="text" class="form-control"
ng-model="enteredValue" placeholder="pencarian masukkan kata disini . .
.">
                    <span class="input-group-btn"><button
ng-Click="findValue(enteredValue)" class="btn btn-default"
type="button">search</button></span>
                </div>
            </div>
        </div>
    </div>
    <div id="formAdd" class="row" ng-show="showme">
        <div class="col-8">
            <form name="myForm" class="form-horizontal"
ng-submit="submitForm()" ng-validate="validationOptions">
                <div class="form-group">
                    <label for="title"
class="control-label col-xs-2">title</label>
                    <div class="col-xs-10">
                        <input type="text" name="title"
class="form-control" id="title" placeholder="title" ng-model="data.title">
                        <span class="help-block
text-danger"></span>
                    </div>
                </div>
                <div class="form-group">
                    <label for="description"
class="control-label col-xs-2">description</label>
                    <div class="col-xs-10">
                        <textarea name="description"
class="form-control" id="description" placeholder="description"
ng-model="data.description"></textarea>
                        <span class="help-block
text-danger"></span>
                    </div>
                </div>
                <div class="form-group">
                    <div class="col-xs-offset-2
col-xs-10">
                        <button
ng-disabled="myForm.example.$dirty && myForm.example.$invalid ||
myForm.name.$dirty && myForm.name.$invalid" type="submit" class="btn
btn-primary">simpan</button>
                        <a href="javascript:void(0);"
class="btn btn-danger" ng-click="showme=false">batal</a>
                        <a href="javascript:void(0);"
class="btn btn-warning" ng-click="resetForm()">reset</a>
                    </div>
                </div>
            </form>
        </div>
    </div>

```

```

        </div>
        <div class="table-responsive">
            <a href="" class="btn btn-primary"
ng-click="delete_check(post)">hapus yang dipilih</a>
            <hr>
            <table class="table table-striped">
                <thead>
                    <tr>
                        <th>#</th>
                        <th>title</th>
                        <th>description</th>
                        <th class="text-nowrap">aksi</th>
                    </tr>
                </thead>
                <tbody>
                    <tr ng-if="post.length == 0">
                        <td colspan="4"
class="text-center">tidak ada data</td>
                    </tr>
                    <tr id="post-array" ng-repeat="x in post |
pagination: curPage * pageSize | limitTo: pageSize">
                        <td>
                            <div style="width:20px
!important;" class="demo-checkbox">
                                <input id="basic_checkbox_{{
x.id }}" type="checkbox" ng-true-value="{{ x.id }}" ng-false-value=""
ng-model="x.selected" />
                                <label for="basic_checkbox_{{
x.id }}"></label>
                            </div>
                        </td>
                        <td>{{ x.title }}</td>
                        <td>{{ x.description }}</td>
                        <td class="text-nowrap">
                            <a href="#" data-toggle="modal"
ng-click="edit(x.id)" data-target="#edit-data"> edit</a>
                            <a href="#"
ng-click="delete(x.id)" data-toggle="tooltip" data-original-title="close">
hapus</a>
                        </td>
                    </tr>
                </tbody>
            </table>
        </div>
        <div class="row">
            <div class="col-md-6">
                <div class="m-t-30">
                    <nav ng-show="post.length"
aria-label="page navigation example">
                        <ul class="pagination">
                            <li>

```

```

        <button type="button"
class="page-link" ng-disabled="curPage == 0" ng-click="curPage=curPage-1">
&lt; PREV</button>
    </li>
    <li>
        <button class="page-link">
page {{curPage + 1}} of {{ numberOfPages() }} </button>
    </li>
    <li>
        <button type="button"
class="page-link" ng-disabled="curPage >= post.length/pageSize - 1"
ng-click="curPage = curPage+1">NEXT &gt;</button>
    </li>
</ul>
</nav>
</div>
</div>
</div>
<!-- edit modal -->
<div class="modal fade" id="edit-data" tabindex="-1"
role="dialog" aria-labelledby="myModalLabel">
    <div class="modal-dialog" role="document">
        <div class="modal-content">
            <form method="POST" name="editItem"
role="form" ng-submit="saveEdit()" ng-validate="validationOptions">
                <input ng-model="form.id" type="hidden"
name="id" />
                <div class="modal-header">
                    <button type="button" class="close"
data-dismiss="modal" aria-label="Close"><span
aria-hidden="true">&times;</span></button>
                    <h4 class="modal-title"
id="myModalLabel">ubah data</h4>
                </div>
                <div class="modal-body">
                    <div class="container">
                        <div class="form-group">
                            <label for="title"
class="control-label col-xs-2">title</label>
                            <div class="col-xs-10">
                                <input type="text"
name="title" class="form-control" id="title" placeholder="title"
ng-model="form.title">
                                <span
class="help-block text-danger"></span>
                            </div>
                        </div>
                    </div>
                    <div class="form-group">
                        <label for="description"

```

```

class="control-label col-xs-2">description</label>
                                <div class="col-xs-10">
                                    <textarea
name="description" class="form-control" id="description"
placeholder="description" ng-model="form.description"></textarea>
                                    <span
class="help-block text-danger"></span>
                                </div>
                            </div>

                                <button type="button"
class="btn btn-default" data-dismiss="modal">tutup</button>
                                <button type="submit"
ng-disabled="editItem.$invalid" class="btn btn-primary
create-crud">simpan</button>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        <!-- edit modal -->
    </div>
</div>
</div>
</body>
</html>

```

4. membuat javascriptnya save dengan angularjs untuk disisi client nya

saya cuma ga mau ribet sih hehee kode script dibawah ini saya taro di bagian bawah end tag </body> - > contoh </body><script>kode</script> kalo mau dibuat dalam file js juga boleh

```

<script>
    var app = angular.module("app",
['ngValidate']).config(function($validatorProvider) {
    $validatorProvider.setDefaults({
        errorElement: 'span',
        errorClass: 'help-block text-danger'
    });
});
app.controller("dataController", function($scope, $http) {

    $scope.validationOptions = {
        rules: {
            title: {
                required: true
            },

```

```

        description: {
            required: true
        }
    },
    messages: {
        title: {
            required: "title required"
        },
        description: {
            required: "description required"
        }
    }
};

$scope.showdata = function() {

    $http.get(base_url + 'get_data', {}).then(function
post(response) {

        $scope.curPage = 0;
        $scope.pageSize = 6;

        $scope.post = response.data;

        $scope.numberOfPages = function() {
            return Math.ceil($scope.post.length /
$scope.pageSize);
        };

    });

}

$scope.findValue = function(enteredValue) {
    $http.get(base_url + 'get_search/' + enteredValue,
{}).then(function post(response) {

        $scope.curPage = 0;
        $scope.pageSize = 6;

        $scope.post = response.data;
        $scope.numberOfPages = function() {
            return Math.ceil($scope.post.length /
$scope.pageSize);
        };

    });
};

$scope.delete = function($id) {
    $http.get(base_url + 'delete/' + $id).

```

```

        then(function(data) {
            //either this
            console.log(data);
            $scope.showdata();
            //or this
            swal({
                type: 'success',
                title: 'proses berhasil',
                text: 'menghapus data',
                confirmButtonText: 'tutup'
            })
        });
    }

    $scope.edit = function($id) {
        $http.get(base_url + 'get_id/' + $id, {}).then(function
form(response) {
            //either this
            console.log(response.data);
            $scope.form = response.data;
            //or this
        });
    }

    $scope.saveEdit = function() {
        if ($scope.editItem.validate()) {
            $http({
                method: 'post',
                url: base_url + 'edit/' + $scope.form.id,
                data: $scope.form, //forms testi object
                headers: {
                    'Content-Type':
'application/x-www-form-urlencoded'
                }
            }).then(function(data) {
                //either this
                $(".modal").modal("hide");
                $scope.showdata();
                //or this
                swal({
                    type: 'success',
                    title: 'proses berhasil',
                    text: 'ubah data',
                    confirmButtonText: 'tutup'
                })
            });
        }
    }

    $scope.delete_check = function(list) {
        var itemList = [];

```

```

angular.forEach(list, function(value, key) {
    if (list[key].selected) {
        itemList.push(list[key].selected);
    }
});
//console.log(itemList.length);
$http.post(base_url + 'delete_check_data/', itemList).
then(function(data) {
    //either this
    $scope.showdata();
    //or this
    swal({
        type: 'success',
        title: 'proses berhasil',
        text: 'menghapus data',
        confirmButtonText: 'tutup'
    })
});
}

$scope.data = {
    title: '',
    description: ''
};

$scope.resetForm = function() {
    $scope.data = {};
};

$scope.data = {};

$scope.submitForm = function() {

    if ($scope.myForm.validate()) {
        $http({
            method: 'post',
            url: base_url + 'add',
            data: $scope.data, //forms testi object
            headers: {
                'Content-Type':
'application/x-www-form-urlencoded'
            }
        }).then(function(data) {
            //either this
            $scope.showdata();
            $scope.data = {};
            $scope.showme = false;
            //or this
            swal({
                type: 'success',
                title: 'proses berhasil',

```

```
        text: 'buat data baru',
        confirmButtonText: 'tutup'
    });
    });
});

app.filter('pagination', function() {
    return function(input, start) {
        if (!input || !input.length) {
            return;
        }
        start = +start; //parse to int
        return input.slice(start);
    }
});
</script>
```

jika tutorial ini susah untuk anda mengerti comment saja untuk download source code full nya agan dan sista ...

---

## Tentang Penulis



**Achmad Maulana**

code, photography, fun