LAPORAN TUGAS PEMROGRAMAN WEB LANJUT

"JOBSHEET 8"



Oleh:

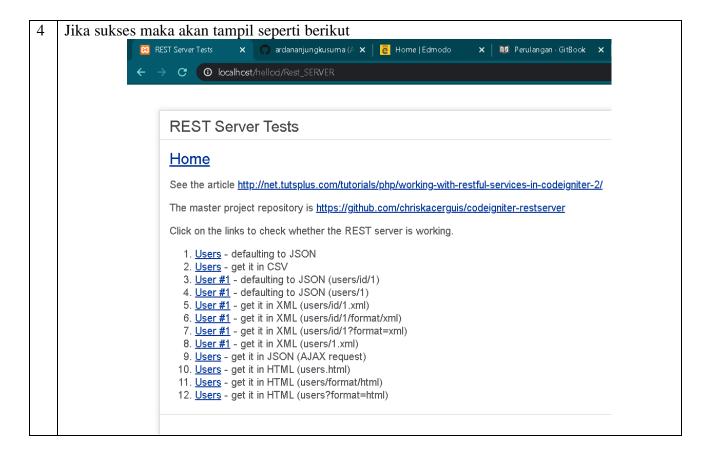
NAMA: ARDAN ANJUNG KUSUMA

NIM : 1841720041

PROGRAM STUDI TEKNIK INFORMATIKA JURUSAN TEKNOLOGI INFORMASI POLITEKNIK NEGERI MALANG 2020

Praktikum - Bagian 1: Instalasi library restful codeigniter

```
Mengkonfigurasi config.php
                    $config['base_url'] = 'http://localhost/helloci/';
                    $config['index_page'] = '';
Mengkonfigurasi autoload.php
            $autoload['libraries'] = array('database', 'form_validation', 'session');
                       $autoload['helper'] = array('url');
Mengkonfigurasi database.php
                           $db['default'] = array(
                               'dsn' => '',
                               'hostname' => 'localhost',
                               'username' => 'root',
                               'password' => '',
                               'database' => 'rest coba',
                               'dbdriver' => 'mysqli'
Membuat dummy data untuk rest server
          Server: 127.0.0.1 » 📵 Database: rest_coba » 📠 Table: mahasiswa
                 🧗 Structure 📗 SQL 🔍 Search 📑 Insert 🚍 Export 📠 Import 🖭 Priv
         ■ Browse
         Showing rows 0 - 4 (5 total, Query took 0.0027 seconds.)
         SELECT * FROM `mahasiswa`
           ☐ Show all Number of rows: 25 ▼
                                     Filter rows: Search this table
                                                          Sort by key: None
        + Options
                         jurusan
         Teknik Mesin
         erik@gmail.com
                                                          Teknik Industri
         rommy@gmail.com Teknik Planologi
         ferry@yahoo.com Manajemen
         ↑ ☐ Check all With selected: 🔗 Edit 👫 Copy 🥥 Delete 🔜 Export
Copy semua data rest-server
```

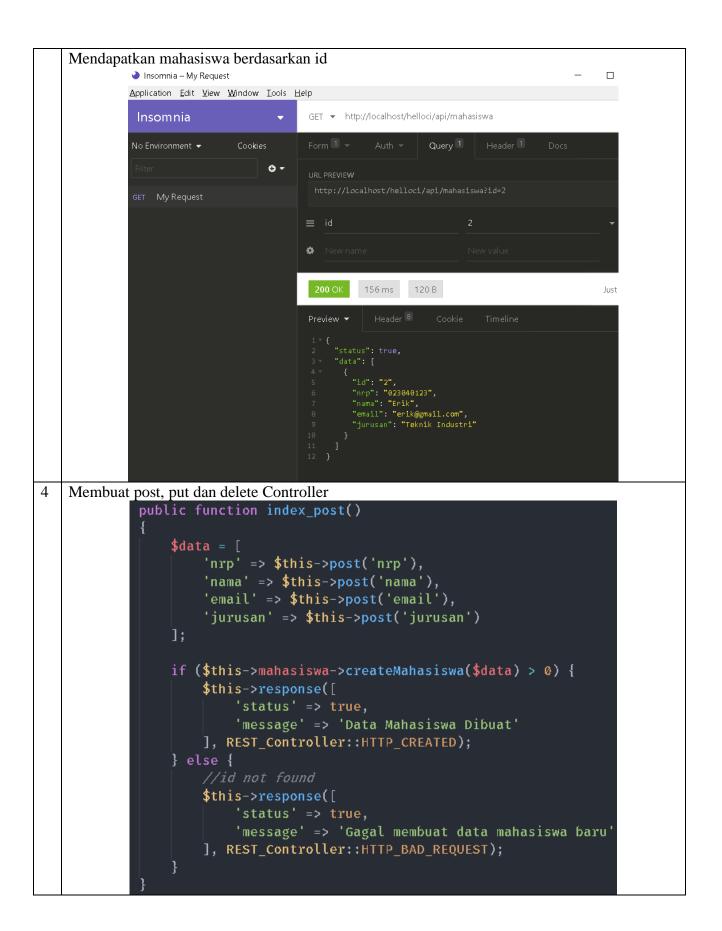


Praktikum - Bagian 2: Membuat Aplikasi CRUD Restful Codeigniter

1 Membuat mahasiswa controller pada folder api

```
application > controllers > api > 🤲 Mahasiswa.php > PHP Intelephense > 😭 Mahasiswa > 😚 __cons
      defined('BASEPATH') or exit('No direct script access allowed');
     require APPPATH . '/libraries/REST_Controller.php';
     use Restserver\Libraries\REST_Controller;
      * all done with a hardcoded array
      * @package
                        Rest Server
      * @author
      * @license
      class Mahasiswa extends REST Controller
     function __construct()
          parent::__construct();
          $this->load->model('mahasiswa2_model', 'mahasiswa');
     public function index_get()
          $id = $this->get('id');
          if ($id === NULL) {
              $mahasiswa = $this->mahasiswa->getMahasiswa();
          } else {
              $mahasiswa = $this->mahasiswa->getMahasiswa($id);
          if ($mahasiswa) {
              $this->response([
                  'status' => true,
                  'data' => $mahasiswa
              ], REST_Controller::HTTP_OK);
          } else {
              $this->response([
                   'status' => FALSE,
                   'message' => 'Tidak Ditemukan Mahasiswa'
              ], REST Controller::HTTP NOT FOUND);
```

```
Membuat mahasiswa2_model
              defined('BASEPATH') or exit('No direct script access allowed');
              class mahasiswa2_model extends CI_Model
                    public function getMahasiswa($id = null)
                                return $this->db->get('mahasiswa')->result_array();
                          } else {
                                return $this->db->get_where('mahasiswa', ['id' => $id])->result_array();
Membuka insomnia dan menggunakan GET untuk mendapatkan data
       🍑 Insomnia – My Request
                                                                                                                              \times
      Application Edit View Window Lools Help
                                                   GET ▼ http://localhost/helloci/api/mahasiswa
                                                                                                                                    Send
        Insomnia
       No Environment 🕶
                                         0 -
                                                                125 ms 542 B
                                                                                                                         3 Minutes Ago 💌
                                                              "nrp": "043040001",
"nama": "Doddy Ferdiansyah",
"email": "doy@gmail.com",
                                                              "jurusan": "Teknik Mesin"
                                                           {
    "id": "2",
    "nrp": "023040123",
    "": "Erik",
    ""@pmai
                                                              "nama": "Erik",
"email": "erik@gmail.com",
"jurusan": "Teknik Industri"
                                                           {
    "id": "3",
    "nrp": "043040321",
    "": "Rommy Fauz
                                                              "nama": "Rommy Fauzi",
                                                              "email": "rommy@gmail.com",
"jurusan": "Teknik Planologi"
                                                           },
{
"id": "4",
30": "03
                                                              "nrp": "033040023",
"nama": "Fajar Darmawan ",
                                                              "email": "fajar@yahoo.com",
"jurusan": "Teknik Informatika"
                                                           {
"id": "5".
```



```
public function index_put()
    $id = $this->put('id');
    $data = [
        'nrp' => $this->put('nrp'),
        'nama' => $this->put('nama'),
        'email' => $this->put('email'),
        'jurusan' => $this->put('jurusan')
    ];
    if ($this->mahasiswa->updateMahasiswa($data, $id) > 0) {
        $this->response([
            'status' => true,
            'message' => 'Data mahasiswa Diupdate'
        ], REST_Controller::HTTP_OK);
    } else {
        $this->response([
            'status' => false,
            'message' => 'Gagal mengupdate data'
        ], REST_Controller::HTTP_BAD_REQUEST);
public function index delete()
    $id = $this->delete('id');
    if ($id === null) {
        $this->response([
             'status' => false,
             'message' => 'Berikan id yang valid'
        ], REST_Controller::HTTP_BAD_REQUEST);
    } else {
        if ($this->mahasiswa->deleteMahasiswa($id) > 0) {
            $this->response([
                 'status' => true,
                 'id' => $id,
                 'message' => 'Sukses Terhapus'
            ], REST_Controller::HTTP_OK);
        } else {
            $this->response([
                 'status' => false,
                 'message' => 'ID Tidak ditemukan'
            ], REST_Controller::HTTP_BAD_REQUEST);
```

```
Membuat Model
               public function createMahasiswa($data)
                   $this->db->insert('mahasiswa', $data);
                   return $this->db->affected_rows();
              public function updateMahasiswa($data, $id)
                   $this->db->update('mahasiswa', $data, ['id' => $id]);
                   return $this->db->affected_rows();
              public function deleteMahasiswa($id)
                   $this->db->delete('mahasiswa', ['id' => $id]);
                   return $this->db->affected_rows();
Melakukan operasi create dengan menggunakan form url encoded
             POST ▼ http://localhost/helloci/api/mahasiswa
                                                                          Send
                                           0985390843
                                           Kusuma Ardan
                                                                        ☑ 🖮
                email
                                           ardan@gmail.com
                                           Teknik Informatika
                jurusan
                                                                     ▼ 🗹 👜
             new name
                           94 ms
                                    49 B
                                                                     Just Now 💌
                  "message": "Data Mahasiswa Dibuat"
```

