PEMROGRAMAN WEB LANJUT JOBSHEET 8



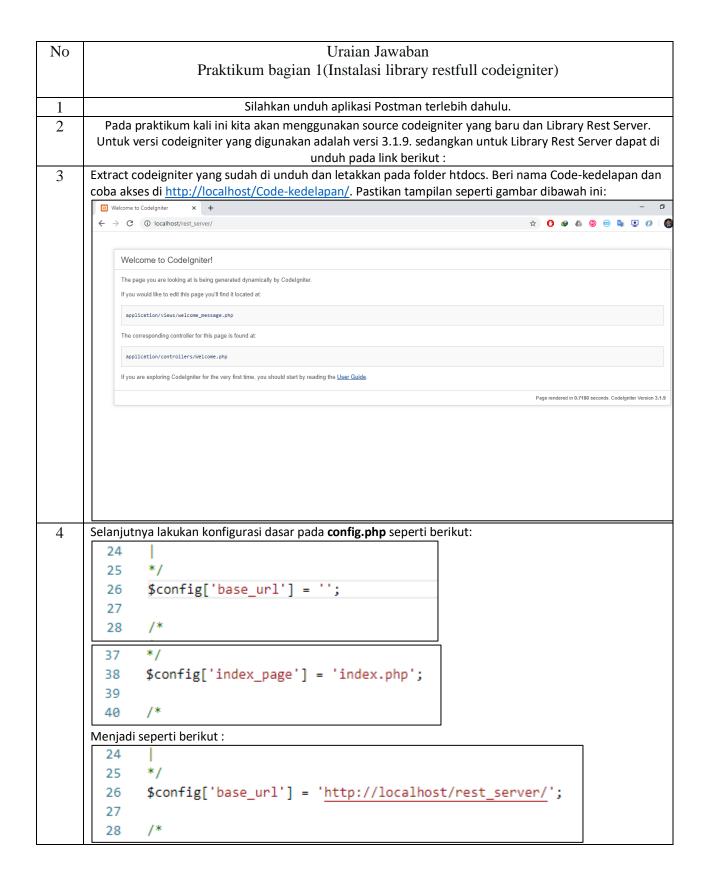
Oleh: SUGENG PRASTIYO NIM. 1841720113

PROGRAM STUDI TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

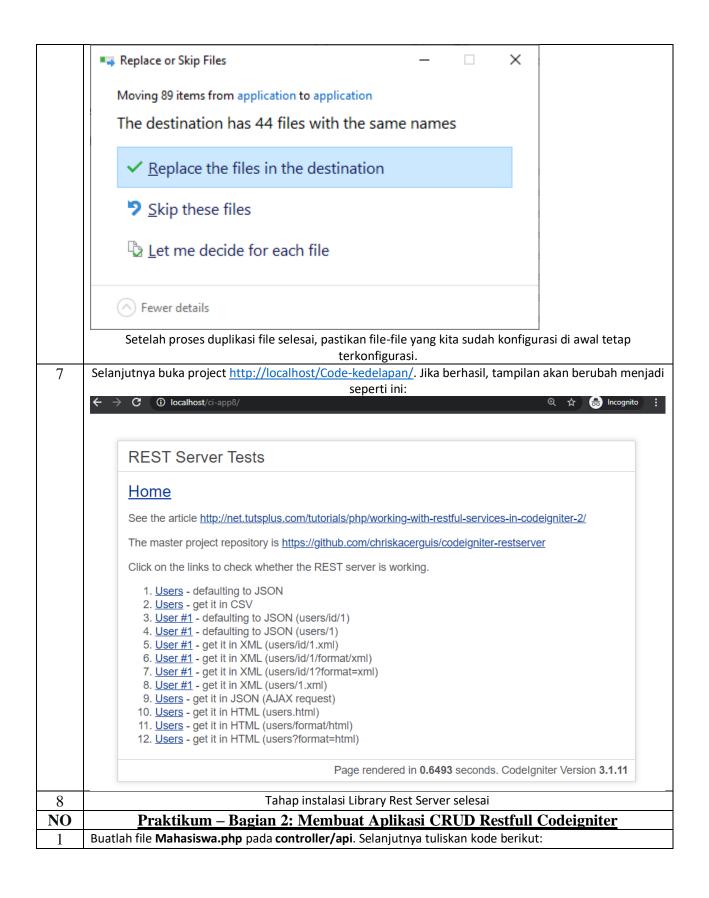
POLITEKNIK NEGERI MALANG

2020

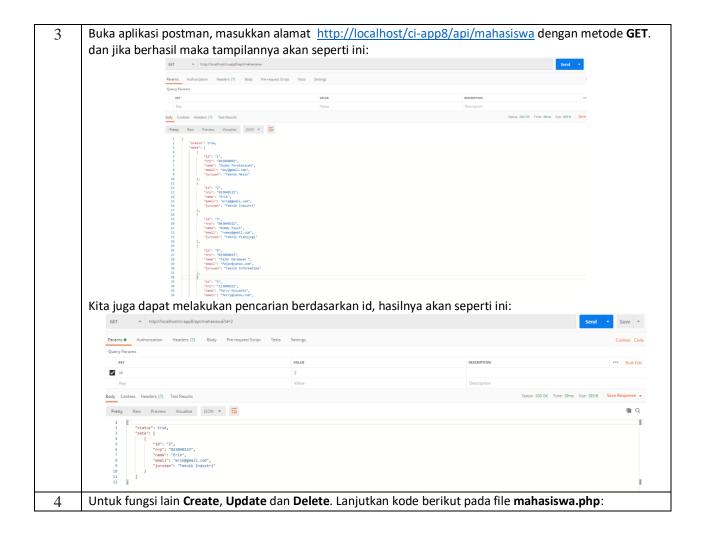


```
$config['index_page'] = '';
       38
       39
       40
    Dan file autoload.php
      60
      61
            $autoload['libraries'] = array();
      62
      63
      91
            $autoload['helper'] = array();
      92
      93
            /*
      94
    Menjadi
      60
      61
            $autoload['libraries'] = array('database');
      62
      63
      91
            $autoload['helper'] = array('url');
      92
      93
      94
    Dan database.php seperti berikut:
                        76 \vee $db['default'] = array(
                                  'dsn' => '',
                        77
                                  'hostname' => 'localhost',
                        78
                                 'username' => 'root',
                        79
                                  'password' => '',
                        80
                        81
                                  'database' => 'rest server',
                        82
                                  'dbdriver' => 'mysqli',
5
    Selanjutnya buatlah database rest server pada phpmyadmin dan masukkan data dummy. Untuk data
    dummy dapat dibuat sebagai berikut:
    CREATE TABLE `mahasiswa` (
      `id` int(11) NOT NULL,
      `nrp` char(9) NOT NULL,
      `nama` varchar(250) NOT NULL,
      `email` varchar(250) DEFAULT NULL,
      `jurusan` varchar(64) NOT NULL
    ) ENGINE=InnoDB DEFAULT CHARSET=latin1;
    INSERT INTO `mahasiswa` (`id`, `nrp`, `nama`, `email`, `jurusan`) VALUES
    (1, '043040001', 'Doddy Ferdiansyah', 'doy@gmail.com', 'Teknik Mesin'),
```

```
(2, '023040123', 'Erik', 'erik@gmail.com', 'Teknik Industri'),
(3, '043040321', 'Rommy Fauzi', 'rommy@gmail.com', 'Teknik Planologi'),
(4, '033040023', 'Fajar Darmawan ', 'fajar@yahoo.com', 'Teknik Informatika
'),
(5, '113040321', 'Ferry Mulyanto', 'ferry@yahoo.com', 'Manajemen');
ALTER TABLE `mahasiswa`
  ADD PRIMARY KEY ('id');
ALTER TABLE `mahasiswa`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=33;
Selanjutnya extract file Library Rest Server, buka folder application dan duplikasi file dan folder tersebut
kedalam folder application pada project Code-kedelapan. Klik Replace files jika ada notifikasi duplikat.
  Name
                                     Name
     cache
                                        cache
     config
                                        config
     controllers
                                        controllers
     core
                                        core
     helpers
                                        helpers
     hooks
                                        hooks
     language
                                        language
     libraries
                                        libraries
     logs
                                        logs
     models
                                        migrations
                                        models
     third_party
                                       third_party
     views
                                        views
     .htaccess
                                      .htaccess
   index 💿
                                      💿 index.html
```



```
application > controllers > api > 🦇 Mahasiswa.php > 😭 Mahasiswa
      <?php
      use Restserver\Libraries\REST_Controller;
      defined('BASEPATH') or exit('No direct script access allowed');
      require APPPATH . 'libraries/REST_Controller.php';
      require APPPATH . 'libraries/Format.php';
      class Mahasiswa extends REST_Controller
          public function __construct()
              parent::__construct();
              $this->load->model('Mahasiswa_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([
                       'message' => 'id not found'
                   ], REST_Controller::HTTP_NOT_FOUND);
      K
```



```
public function index_delete()
    $id = $this->delete('id');
    if ($id === null) {
        $this->response([
            'status' => false,
'message' => 'provide an id!'
        ], REST_Controller::HTTP_BAD_REQUEST);
    } else {
        if ($this->mahasiswa->deleteMahasiswa($id) > 0) {
            $this->response([
                'status' => true,
                'id => $id',
'message' => 'deleted.'
            ], REST_Controller::HTTP_OK);
        } else {
            $this->response([
                'status' => false,
'message' => 'id not found!'
            ], REST_Controller::HTTP_BAD_REQUEST);
public function index_post()
    $data = [
        'nrp' => $this->post('nrp'),
        'nama' => $this->post('name'),
        'email' => $this->post('email'),
        'jurusan' => $this->post('jurusan'),
    if ($this->mahasiswa->createMahasiswa($data) > 0) {
        $this->response([
            'message' => 'new mahasiswa has been created'
        ], REST_Controller::HTTP_CREATED);
        $this->response([
            'message' => 'failde to create new data!'
        ], REST_Controller::HTTP_BAD_REQUEST);
```

5 Dan lanjutkan kode pada file **Mahasiswa_model.php**:

```
application > models > 🯶 Mahasiswa_model.php > 😭 Mahasiswa_model > 😚 updateMahasiswa
     defined('BASEPATH') or exit('No direct script access allowed');
     class Mahasiswa model extends CI Model
         public function getMahasiswa($id = null)
              if ($id === null) {
                 return $this->db->get('mahasiswa')->result_array();
             } else {
                  return $this->db->get_where('mahasiswa', ['id' => $id])->result_array();
          public function deleteMahasiswa($id)
              $this->db->delete('mahasiswa', ['id' => $id]);
              return $this->db->affected_rows();
         public function createMahasiswa($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();
```

Selanjutnya lakukan operasi **Create** data pada aplikasi postman, untuk operasi **Create**, **Update** dan **Delete**, arahkan parameter ke **Body** dan **x-www-form-urlencoded** seperti berikut:

