## LAPORAN TUGAS PEMROGRAMAN WEB LANJUT

## "JOBSHEET 13"



## Oleh:

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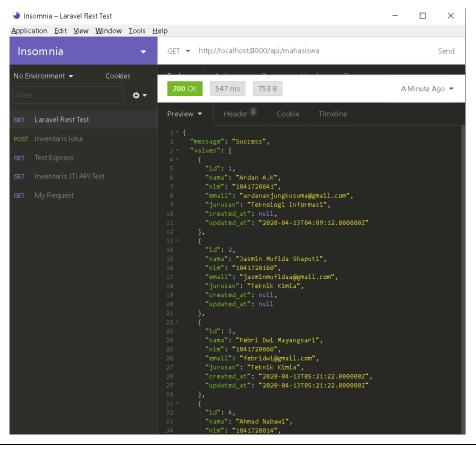
PROGRAM STUDI TEKNIK INFORMATIKA JURUSAN TEKNOLOGI INFORMASI POLITEKNIK NEGERI MALANG 2020

```
Membuat project baru bernama laravel-restapi
                            C:\xampp\htdocs>laravel new laravel-restapi
                           Loading composer repositories with package information
Installing dependencies (including require-dev) from lock file
Package operations: 92 installs, 0 updates, 0 removals
- Installing doctrine/inflector (1.3.1): Loading from cache
- Installing doctrine/lexer (1.2.0): Loading from cache
                          Application key set successfully.

Discovered Package: facade/ignition
Discovered Package: fideloper/proxy
Discovered Package: fruitcake/laravel-cors
Discovered Package: laravel/tinker
Discovered Package: nesbot/carbon
Discovered Package: nunomaduro/collision
                                 Installing dragonmantank/cron-expression (v2.3.0): Loading from ca
Installing voku/portable-ascii (1.4.10): Loading from cache
Installing symfony/polyfill-ctype (v1.15.0): Loading from cache
         Ganti file .env dan edit nama database menjadi latihan laravel
         DB_CONNECTION=mysql
         DB_HOST=127.0.0.1
         DB PORT=3306
         DB_DATABASE=latihan_laravel
         DB_USERNAME=root
         DB PASSWORD=
        Membuat model mahasiswa
               C:\xampp\htdocs\laravel-restapi>php artisan make:model Mahasiswa -c
                Model created successfully.
Controller created successfully.
                                                        Controllers
                                                          💏 Controller.php
                                                          MahasiswaController.php
                                                         > Middleware
                                                       🕶 Kernel.php
                                                      > Providers
                                                     🗺 Mahasiswa.php
                                                     🗺 User.php
4
        Edit mahasiswa controller
        <?php
         namespace App\Http\Controllers;
         use Illuminate\Http\Request;
         use App\Mahasiswa;
```

Route::get('mahasiswa', 'MahasiswaController@index'); Karena kita ingin menampilkan data maka perintah yang dipakai get

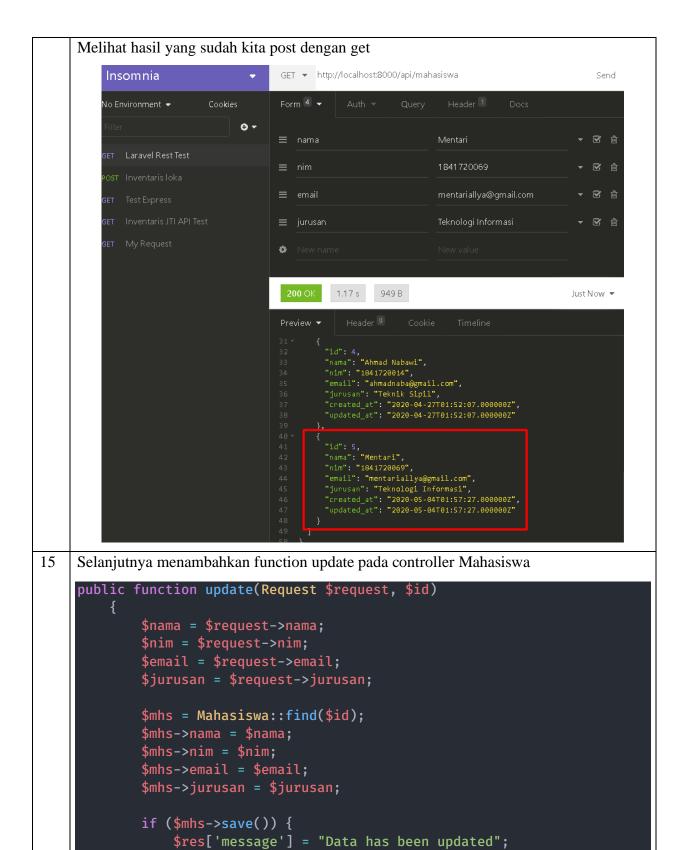
8 Gunakan insomnia untuk melakukan request get



Tambahkan function getId pada controller mahasiswa public function getId(\$id) \$data = Mahasiswa::where('id', \$id)->get(); //cek jika data ditemukan if (count(\$data) > 0) { \$res['message'] = "Success"; \$res['values'] = \$data; return response(\$res); } else { \$res['message'] = "Data is Empty"; return response(\$data); 10 Tambahkan kode berikut pada routes/api.php, untuk menjalankan function get Mahasiswa By Id Route::get('/mahasiswa/{id}', 'MahasiswaController@getId') 11 Mencoba get data by id menggunakan insomnia Insomnia GET ▼ http://localhost:8000/api/mahasiswa/3 Send lo Environment 🕶 Cookies 1.3 s 230 B Just Now 🕶 0 -Preview ▼ GET Laravel Rest Test "message": "Success", "id": 3,
"nama": "Febri Dwi Mayangsari",
"nim": "1841729966", "email": "febridwi@gmail.com", "jurusan": "Teknik Kimia", "created\_at": "2020-04-13T05:21:22.000000Z", "updated\_at": "2020-04-13T05:21:22.0000000 12 Tambahkan function create untuk post data pada API. Tambahkan script berikut pada controller mahasiswa public function create(Request \$request) \$mhs = new Mahasiswa(); \$mhs->nama = \$request->nama; \$mhs->nim = \$request->nim; \$mhs->email = \$request->email;

\$mhs->jurusan = \$request->jurusan;

```
if ($mhs->save()) {
                          $res['message'] = "Data has been added";
                          $res['value'] = "$mhs";
                          return response($res);
13
       Tambahkan pula script berikut pada routes/api.php
       Route::post('/mahasiswa', 'MahasiswaController@create');
14
       Mencoba post melalui insomnia
           Insomnia
                                               POST ▼ http://localhost:8000/api/mahasiswa
           lo Environment 🕶
                                      0 -
                                                                                mentariallya@gmail.com
          SET Test Express
          SET Inventaris JTI API Test
                                                                                Teknologi Informasi
          SET My Request
                                                200 OK 1.3 s 265 B
                                                                                                            Just Now 💌
                                               {\"nama\":\"Mentari\",\"nim\":\"1841720069\",\"email\":\"mentariallya@gmail.com\",\"jurusan\":\"Teknologi Informasi\",\"updated_at\":\"2020-05-04T01:57:27.000000Z\",\"created_at\":\"2020-05-04T01:57:27.000000Z\",\"id\":5}"
```

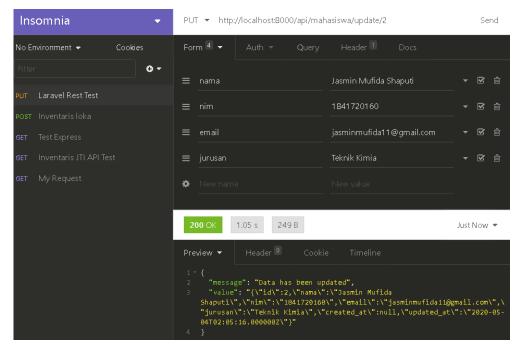


\$res['value'] = "\$mhs";
return response(\$res);

16 Tambahkan script berikut pada routes.php, menggunakan put karena ingin update data

Route::put('/mahasiswa/update/{id}', 'MahasiswaController@update');

17 Menggunakan put pada insomnia untuk mengubah email



## Data sudah berhasil diupdate

Tambahkan script berikut untuk delete data pada mahasiswa controller 18 public function delete(\$id) \$mhs = Mahasiswa::where('id', \$id); if (\$mhs->delete()) { \$res['message'] = "Data has been deleted"; return response(\$res); } else { \$res['message'] = "Gagal"; return response(\$res); 19 Tambahkan kode berikut pada routes/api.php Route::delete('/mahasiswa/{id}', 'MahasiswaController@delete'); Hapus data dan sukses 20 DELETE - http://localhost:8000/api/mahasiswa/5 Send jasminmufida 11@gmail.com **200** OK 1.23 s 35 B Just Now 💌