LAPORAN PRAKTIKUM PEMROGRAMAN WEB LANJUT

Jobsheet 14 (Rest API)



Oleh:

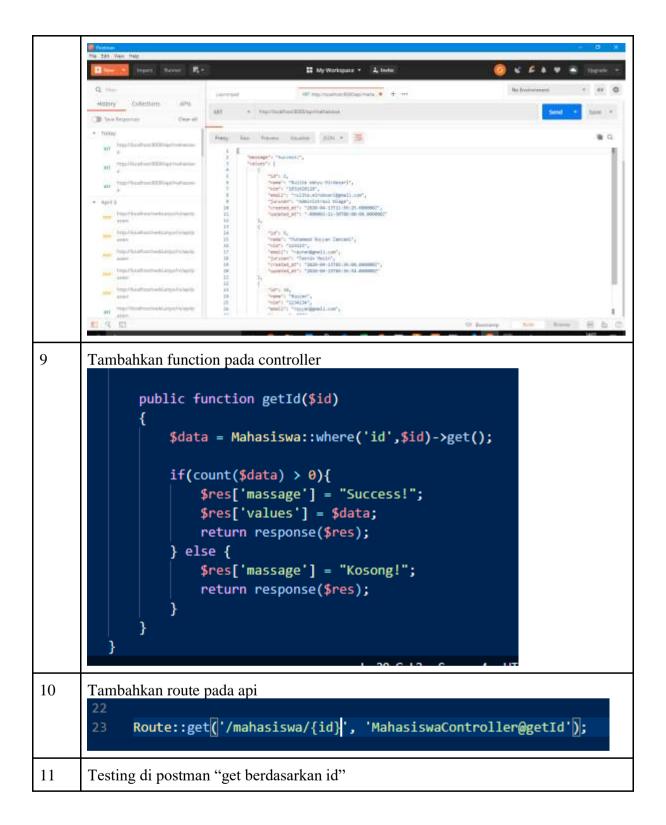
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PROGRAM STUDI TEKNIK INFORMATIKA JURUSSAN TEKNOLOGI INFORMASI POLITEKNIK NEGERI MALANG MEI 2020

Praktikum: Membuat RESTful API di Laravel

```
No
      Keterangan
1
      Buat project laravel baru dengan nama "laravel-restapi"
      C:\xampp\htdocs>laravel new laravel-restapi
      Loading composer repositories with package information
      Installing dependencies (including require-dev) from lock
      Package operations: 92 installs, 0 updates, 0 removals
      Jalankan project
      C:\xampp\htdocs>cd laravel-restapi
      C:\xampp\htdocs\laravel-restapi>php artisan serve
       Laravel development server started: http://127.0.0.1:8000
      Konfigurasi database menggunakan database latihan sebelumnya
            DB CONNECTION=mysql
            DB HOST=127.0.0.1
            DB PORT=3306
            DB DATABASE=latihan laravel
            DB USERNAME=root
            DB PASSWORD=
4
      baut Model dan Controller Mahasiswa
      C:\xampp\htdocs\laravel-restapi>php artisan make:model Mahasiswa -c
       Model created successfully.
       Controller created successfully.
5
      Mengkonfigurasi model Mahasiswa
        til .env
                        Mahasiswa.php X
               <?php
               namespace App:
               use Illuminate\Database\Eloquent\Model;
               class Mahasiswa extends Model
               {
                    protected $table = 'mahasiswa';
               3
          11
6
      Konfigurasi Controller
```

```
MahasiswaController.php X
               <?php
               namespace App\Http\Controllers;
               use Illuminate\Http\Request;
               class MahasiswaController extends Controller
                   public function index()
                        $data = Mahasiswa::all();
                        if(count($data) > 0){
          13
                            $res['massage'] = "Success!";
                            $res['values'] = $data;
                            return response($res);
                        } else {
                            $res['massage'] = "Kosong!";
                            return response($res);
7
      panggil function index pada file api.php
       });
       Route::get('mahasiswa', 'MahasiswaController@index');
8
      Jalankan Php artisan serve dan lakukan testing menggunakan postman
```



```
GET
                       http://localhost:8000/api/mahasiswa/9
                                            JSON ▼ □
         Pretty
                                  Visualize
             1 ~ {
                    "massage": "Success!".
             2
             3 ∨
                    "values": [
             4 ~
                      {
                          "id": 9,
             5
                          "nama": "Muhammad Royyan Zamzami",
                          "nim": "123123",
             7
                         "email": "rayhan@gmail.com",
             8
                         "jurusan": "Teknik Mesin",
                         "created_at": "2020-04-13T05:36:00.000000Z",
            10
                          "updated_at": "2020-04-13T06:36:54.000000Z"
            11
            12
            13
                    ]
            14
12
       Membuat function Create pada Controller
            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 Berhasil Di Tambah!";
                     $res['values'] = $mhs;
                     return response($res);
                3
13
       Tambahkan Route create
              Route::get('/mahasiswa', 'MahasiswaController@create');
14
       Coba di postman
```





