



Jurusan Teknologi Informasi Politeknik Negeri Malang
JOBSHEET 11 : RESTFUL API 2
Mata Kuliah Pemrograman Web Lanjut

Maret 2025

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LEMBAR JAWABAN JOBSHEET

Praktikum 1 – Implementasi Eloquent Accessor

Tambahkan kolom image ke table m_user

```
php artisan make:migration add_image_to_m_user_table
```

2025_04_22_011340_add_image_to_m_user_table.php

```
public function up(): void
{
    Schema::table('m_user', function (Blueprint $table) {
        $table->string('image');
    });
}

/**
 * Reverse the migrations.
 */
public function down(): void
{
    Schema::table('m_user', function (Blueprint $table) {
        $table->dropColumn('image');
    });
}
```



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Jalankan migration

```
A php artisan migrate
```

Tambahkan kode untuk image

UserModel.php

```
protected $fillable = [  
    'level_id',  
    'username',  
    'nama',  
    'password',  
    'image',  
];
```

UserModel.php

```
public function image()  
{  
    return Attribute::make(  
        get: fn ($image) => url('path: '/storage/posts/' . $image),  
    );  
}
```



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RegisterController.php

```
public function __invoke(Request $request)
{
    //      sel validation
    $validator = Validator::make($request->all(), [
        'username' => 'required',
        'nama' => 'required',
        'password' => 'required|min:5|confirmed',
        'level_id' => 'required',
        'image' => 'required'
    ]);

    //      if validation fails
    if ($validator->fails()) {
        return response()->json($validator->errors(), status: 422);
    }

    //      create user
    $user = UserModel::create([
        'username' => $request->username,
        'nama' => $request->nama,
        'password' => bcrypt($request->password),
        'level_id' => $request->level_id,
        'image' => $request->image,
    ]);

    //      return response JSON user is created
    if ($user) {
        return response()->json([
            'success' => true,
            'user' => $user,
        ], status: 201);
    }

    //      return JSON proses insert failed
    return response()->json([
        'success' => false,
    ], status: 409);
}
```



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Lakukan ujicoba di postman

POST <http://127.0.0.1:8000/api/register1> **Send**

Params Authorization Headers (8) **Body** Pre-request Script Tests Settings Cookies

☐ none ☒ form-data ☐ x-www-form-urlencoded ☐ raw ☐ binary

Key	Value	...	Bulk Edit
<input checked="" type="checkbox"/> username	penggunaempat		
<input checked="" type="checkbox"/> nama	pengguna4		
<input checked="" type="checkbox"/> password	123456		
<input checked="" type="checkbox"/> password_confirmation	123456		
<input checked="" type="checkbox"/> level_id	2		
<input checked="" type="checkbox"/> image	Webcam Circle shadow.png		

Body Cookies Headers (10) Test Results 201 Created 364 ms 509 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "success": true,
3   "user": {
4     "username": "penggunaempat",
5     "nama": "pengguna4",
6     "level_id": "2",
7     "image": {},
8     "updated_at": "2025-04-22T01:30:39.000000Z",
9     "created_at": "2025-04-22T01:30:39.000000Z",
10    "user_id": 10
11  }
```



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Modifikasi untuk create image

RegisterController.php

```
$user = UserModel::create([  
    'username' => $request->username,  
    'nama' => $request->nama,  
    'password' => bcrypt($request->password),  
    'level_id' => $request->level_id,  
    'image' => $request->image->hashName(),  
]);
```

Output yang dihasilkan image menghasilkan string yang sudah di hash



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POST http://127.0.0.1:8000/api/register1 Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary

Key	Value	...	Bulk Edit
<input checked="" type="checkbox"/> username	penggunalima		
<input checked="" type="checkbox"/> nama	pengguna5		
<input checked="" type="checkbox"/> password	123456		
<input checked="" type="checkbox"/> password_confirmation	123456		
<input checked="" type="checkbox"/> level_id	2		
<input checked="" type="checkbox"/> image	Webcam Circle shadow.png ×		

Body Cookies Headers (10) Test Results 201 Created 353 ms 552 B Save Response

Pretty Raw Preview Visualize JSON

```
1  {
2    "success": true,
3    "user": {
4      "username": "penggunalima",
5      "nama": "pengguna5",
6      "level_id": "2",
7      "image": "4Hg3plUkkAjrQqP5nd0H7ap36fChlAP0quqqcbD0.png",
8      "updated_at": "2025-04-22T01:32:21.000000Z",
9      "created_at": "2025-04-22T01:32:21.000000Z",
10     "user_id": 12
11   }
```



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Tugas

Melakukan post image m_barang

POST **Send**

Params Authorization Headers (8) **Body** Pre-request Script Tests Settings Cookies

☐ none ☒ form-data ☐ x-www-form-urlencoded ☐ raw ☐ binary

Key	Value
kategori_id	1
barang_kode	MKN-TEST
barang_nama	TEST-INPUT
harga_jual	10000
harga_beli	9000
image	Webcam Circle.png

Body Cookies Headers (10) Test Results 201 Created 214 ms 607 B Save Response

Pretty Raw Preview Visualize JSON

```
1  {
2    "success": true,
3    "barang": {
4      "barang_kode": "MKN-TEST",
5      "barang_nama": "TEST-INPUT",
6      "harga_beli": "9000",
7      "harga_jual": "10000",
8      "kategori_id": "1",
9      "image": "MqpHnAW3RSVVeypCCr7YvGcTGgLkv8Qvh8iubPWU.png",
10     "updated_at": "2025-04-26T15:12:33.000000Z",
11     "created_at": "2025-04-26T15:12:33.000000Z",
12     "barang_id": 13
13   }
14 }
```



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Get m_barang

```
GET http://127.0.0.1:8000/api/barangs

Body
200 OK 141 ms 2.41 KB
Save Response

Pretty
Raw
Preview
Visualize
JSON

[
  {
    "barang_id": 10,
    "kategori_id": 5,
    "barang_kode": "SBS-001",
    "barang_nama": "Sosis Ayam",
    "harga_beli": 6000,
    "harga_jual": 8000,
    "created_at": null,
    "updated_at": null,
    "image": ""
  },
  {
    "barang_id": 11,
    "kategori_id": 1,
    "barang_kode": "MKN-0003",
    "barang_nama": "Gorengan",
    "harga_beli": 1000,
    "harga_jual": 2000,
    "created_at": "2025-04-14T01:07:54.000000Z",
    "updated_at": "2025-04-14T01:07:54.000000Z",
    "image": ""
  },
  {
    "barang_id": 13,
    "kategori_id": 1,
    "barang_kode": "MKN-TEST",
    "barang_nama": "TEST-INPUT",
    "harga_beli": 9000,
    "harga_jual": 10000,
    "created_at": "2025-04-26T15:12:33.000000Z",
    "updated_at": "2025-04-26T15:12:33.000000Z",
    "image": "MqpHnAW3RSVYeypCCr7YvGcTGgLkv8Qvh8iubPWU.png"
  }
]
```