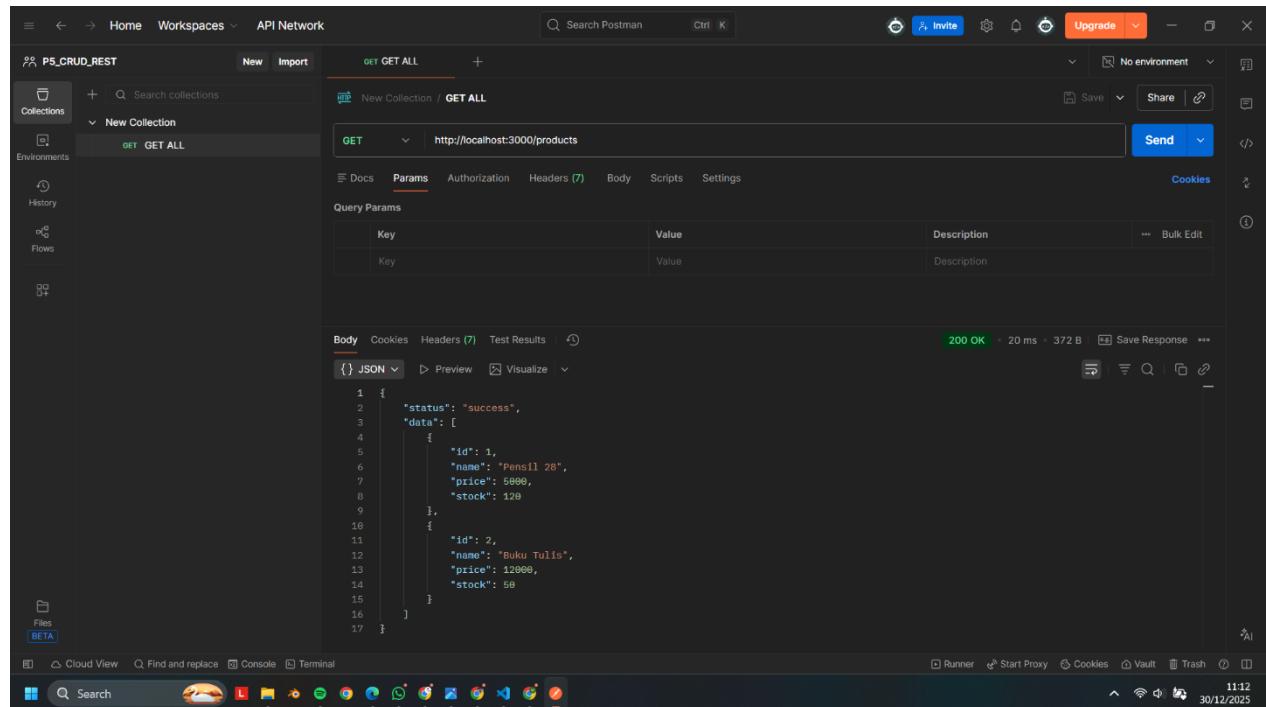


# PRAKTIKUM 5

## Membangun RESTful CRUD API dengan Express

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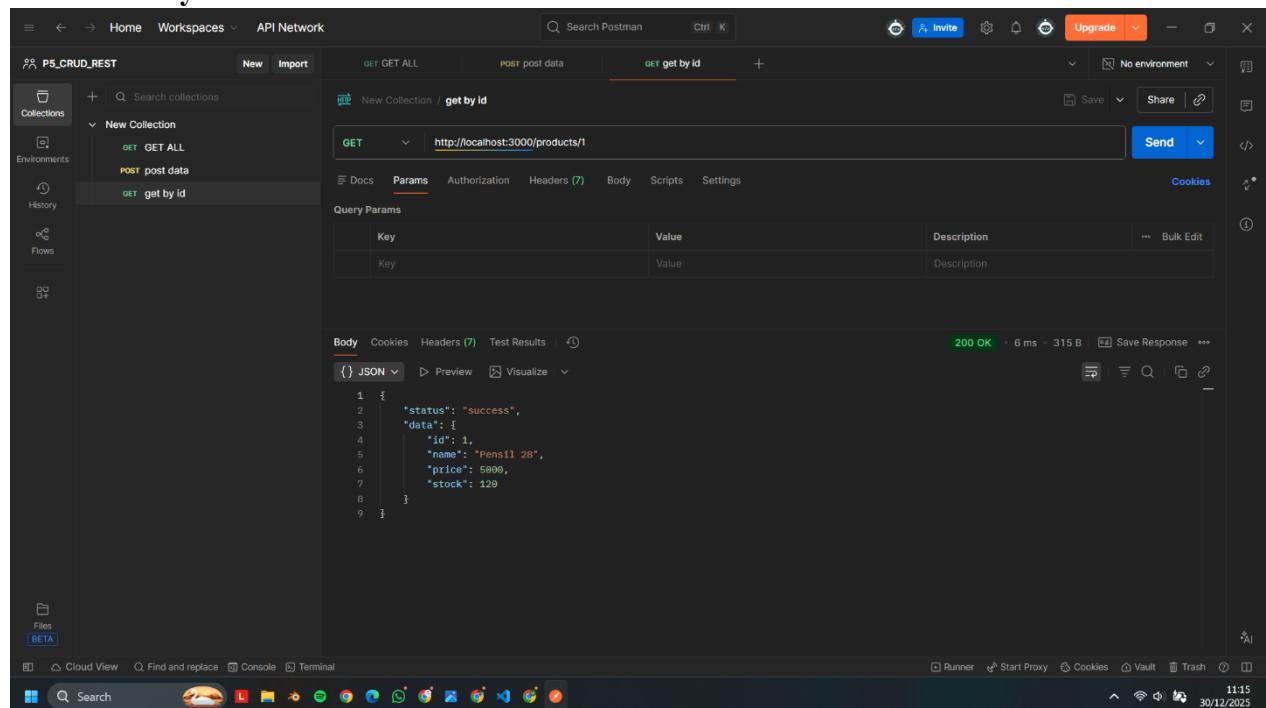
### 1. Get all



The screenshot shows the Postman application interface. A collection named 'P5\_CRUD\_REST' is open, containing a 'GET GET ALL' request. The request URL is set to `http://localhost:3000/products`. The response status is 200 OK, and the response body is a JSON object representing two products:

```
1 {  
2   "status": "success",  
3   "data": [  
4     {  
5       "id": 1,  
6       "name": "Pensil 28",  
7       "price": 5000,  
8       "stock": 120  
9     },  
10    {  
11      "id": 2,  
12      "name": "Buku Tulis",  
13      "price": 12000,  
14      "stock": 50  
15    }  
16  ]  
17 }
```

### 2. Get by id



The screenshot shows the Postman application interface. A collection named 'P5\_CRUD\_REST' is open, containing a 'GET get by id' request. The request URL is set to `http://localhost:3000/products/1`. The response status is 200 OK, and the response body is a JSON object representing one product:

```
1 {  
2   "status": "success",  
3   "data": {  
4     "id": 1,  
5     "name": "Pensil 28",  
6     "price": 5000,  
7     "stock": 120  
8   }  
9 }
```

### 3. Post

The screenshot shows the Postman interface with a collection named "P5\_CRUD\_REST". A new POST request is being made to `http://localhost:3000/products`. The request body contains the following JSON:

```
1 {
2     "name": "Pulpen Pilot Biru",
3     "price": 8000,
4     "stock": 60
5 }
```

The response status is `201 Created` with a response time of `25 ms` and a size of `356 B`. The response body is:

```
1 {
2     "status": "success",
3     "message": "Product created",
4     "data": [
5         {
6             "id": 3,
7             "name": "Pulpen Pilot Biru",
8             "price": 8000,
9             "stock": 60
10        }
11    ]
12 }
```

### 4. Put

The screenshot shows the Postman interface with a collection named "P5\_CRUD\_REST". A PUT request is being made to `http://localhost:3000/products/1`. The request body contains the following JSON:

```
1 {
2     "name": "Buku Catatan Kuliah",
3     "price": 15000,
4     "stock": 75
5 }
```

The response status is `200 OK` with a response time of `7 ms` and a size of `354 B`. The response body is:

```
1 {
2     "status": "success",
3     "message": "Product updated",
4     "data": [
5         {
6             "id": 1,
7             "name": "Buku Catatan Kuliah",
8             "price": 15000,
9             "stock": 75
10        }
11    ]
12 }
```

## 5. Delete

The screenshot shows the Postman application interface. On the left, the sidebar displays a collection named "P5\_CRUD\_REST" containing several requests: "GET ALL", "POST post data", "GET get by id", "PUT edit data", and "DEL delete data". The "DEL delete data" request is currently selected. The main workspace shows a "New Collection / delete data" entry under the "DELETE" method. The URL is set to "http://localhost:3000/products/1". The "Params" tab is active, showing a single parameter "Key" with the value "Value". Below the request details, the "Body" tab is selected, showing a JSON response with the following content:

```
1 [ { 2 |   "status": "success", 3 |   "message": "Product deleted" 4 } ]
```

The status bar at the bottom indicates "200 OK" with a response time of "5 ms" and a size of "283 B". The bottom right corner shows the date and time as "30/12/2025 11:16".