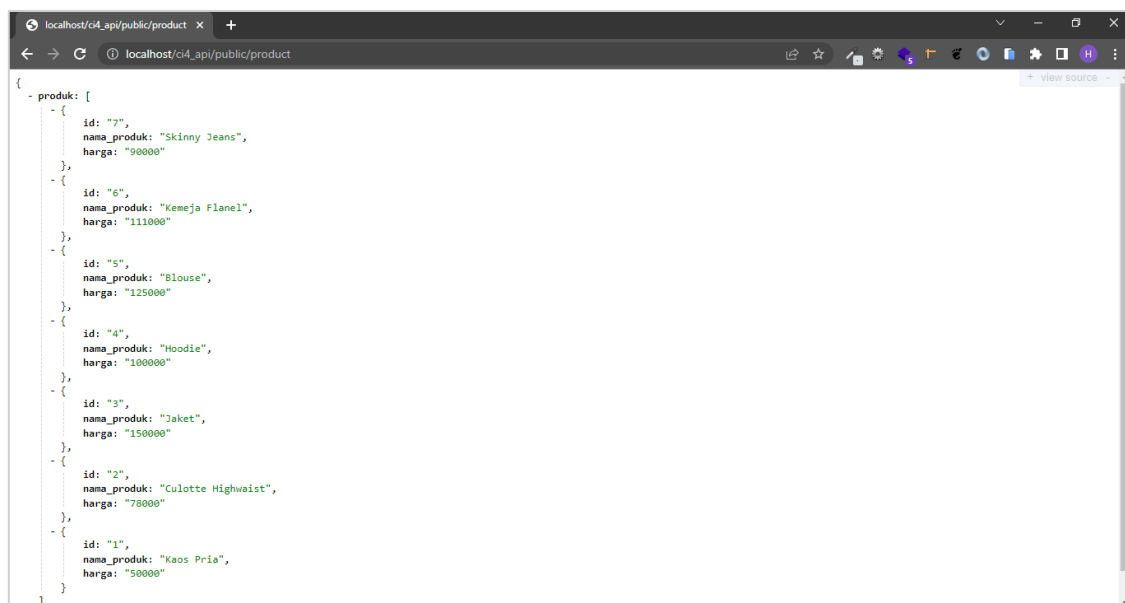


# Praktikum Pemrograman Platform Khusus

*Tanggal Praktikum: Wednesday, 14 September 2022*

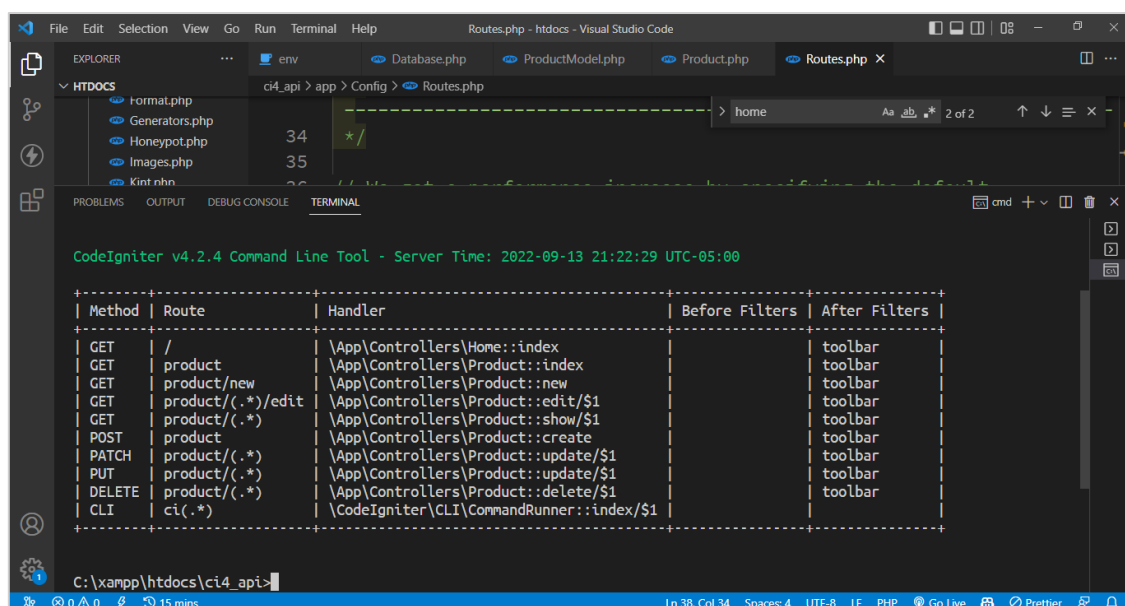
## 1. API dalam format JSON



A screenshot of a web browser window showing a JSON API response. The URL in the address bar is `localhost/ci4_api/public/product`. The response is a JSON array of product objects, each containing `id`, `nama_produk`, and `harga`.

```
{
  "produk": [
    {
      "id": "7",
      "nama_produk": "Skinny Jeans",
      "harga": "90000"
    },
    {
      "id": "6",
      "nama_produk": "Kemeja Flanel",
      "harga": "111000"
    },
    {
      "id": "5",
      "nama_produk": "Blouse",
      "harga": "125000"
    },
    {
      "id": "4",
      "nama_produk": "Hoodie",
      "harga": "100000"
    },
    {
      "id": "3",
      "nama_produk": "Jaket",
      "harga": "150000"
    },
    {
      "id": "2",
      "nama_produk": "Culotte Highwaist",
      "harga": "78000"
    },
    {
      "id": "1",
      "nama_produk": "Kaos Pria",
      "harga": "50000"
    }
  ]
}
```

## 2. Routes / Method



A screenshot of the Visual Studio Code editor showing the `Routes.php` file in the `ci4_api > app > Config` directory. The file contains two routes: `home` (line 34) and `product` (line 35). The `product` route is a wildcard route that handles all HTTP methods.

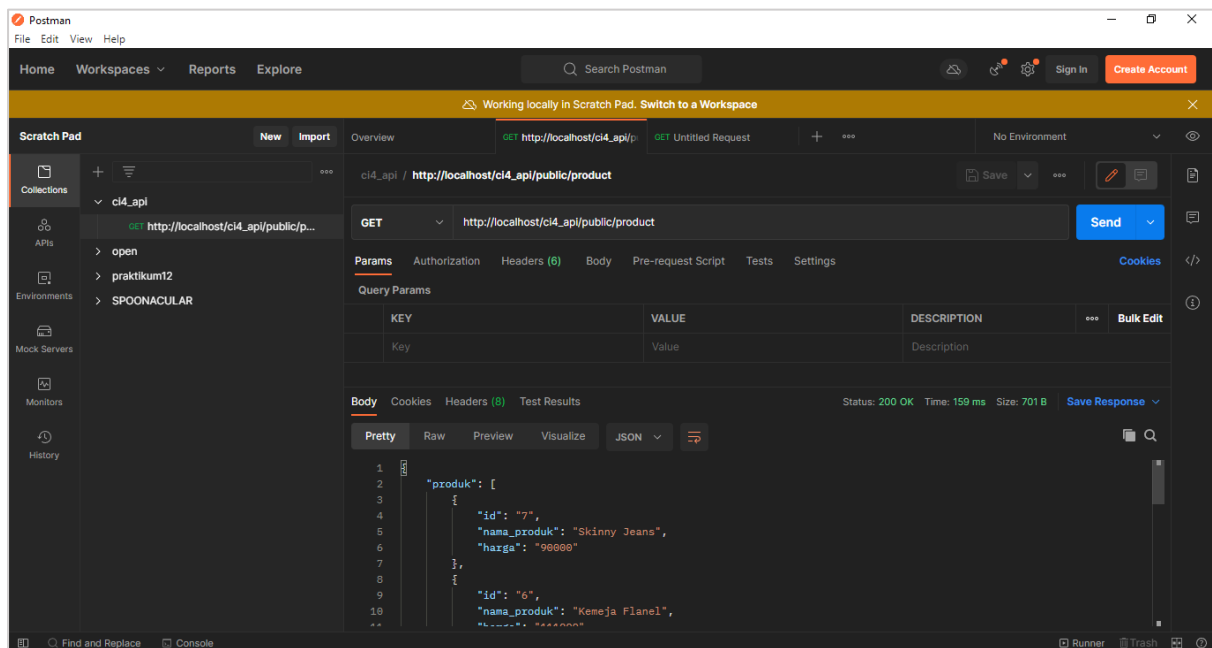
```
34 * /
35 *
```

The terminal window shows the output of the CodeIgniter v4.2.4 Command Line Tool, displaying the server time and a table of routes.

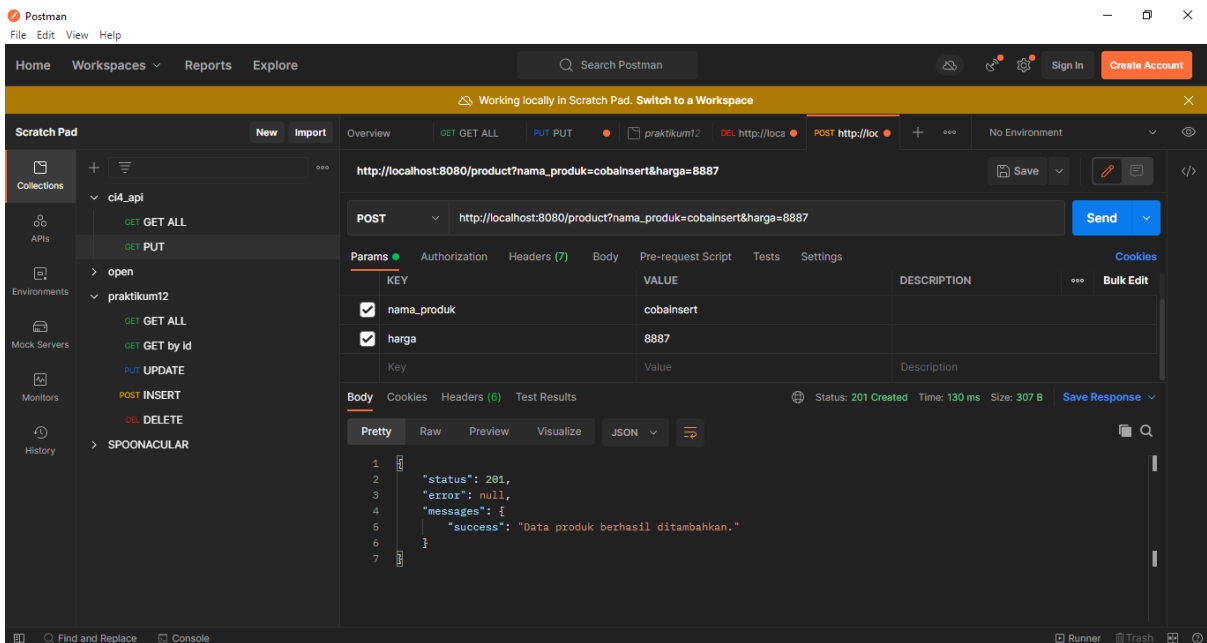
```
CodeIgniter v4.2.4 Command Line Tool - Server Time: 2022-09-13 21:22:29 UTC-05:00
```

Method	Route	Handler	Before Filters	After Filters
GET	/	\App\Controllers\Home::index		toolbar
GET	product	\App\Controllers\Product::index		toolbar
GET	product/new	\App\Controllers\Product::new		toolbar
GET	product/(.*)/edit	\App\Controllers\Product::edit/\$1		toolbar
GET	product/(.*)	\App\Controllers\Product::show/\$1		toolbar
POST	product	\App\Controllers\Product::create		toolbar
PATCH	product/(.*)	\App\Controllers\Product::update/\$1		toolbar
PUT	product/(.*)	\App\Controllers\Product::update/\$1		toolbar
DELETE	product/(.*)	\App\Controllers\Product::delete/\$1		toolbar
CLI	ci.(*)	\CodeIgniter\CLI\CommandRunner::index/\$1		

### 3. Get All Data



### 4. Insert Data



## 5. Edit Data

The screenshot shows the Postman application interface. On the left sidebar, the 'Collections' panel is open, showing a collection named 'ci4\_api' with a sub-collection 'praktikum12'. The 'PUT' method is selected for the endpoint 'http://localhost:8080/product/2'. The 'Body' tab is active, showing a table with the following data:

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> nama_produk	apaam	
<input checked="" type="checkbox"/> harga	234	
<input type="checkbox"/> id	7	

The 'Body' tab also shows a JSON response in the 'Pretty' view:

```
1 {
2   "status": 200,
3   "error": null,
4   "messages": {
5     "success": "Data produk berhasil diubah."
6   }
7 }
```

The status bar at the bottom indicates a successful response with status 200 OK, time 116 ms, and size 297 B.

## 6. Delete Data

The screenshot shows the Postman application interface. On the left sidebar, the 'Collections' panel is open, showing a collection named 'ci4\_api' with a sub-collection 'praktikum12'. The 'DELETE' method is selected for the endpoint 'http://localhost:8080/product/7'. The 'Body' tab is active, showing a table with the following data:

KEY	VALUE	DESCRIPTION
Key	Value	Description

The 'Body' tab also shows a JSON response in the 'Pretty' view:

```
1 {
2   "status": 200,
3   "error": null,
4   "messages": {
5     "success": "Data produk berhasil dihapus."
6   }
7 }
```

The status bar at the bottom indicates a successful response with status 200 OK, time 145 ms, and size 298 B.