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DOKUMENTASI TUGAS MODUL 9 PRAKTIKUM KONSTRUKSI PERANGKAT LUNAK

Poin dokumentai uji cobanya:

No	Skema Uji	Hasil
A	GET semua mahasiswa	3 data awal muncul
B	POST John Doe	Respons sukses dan data bertambah
C	GET semua mahasiswa	John Doe muncul di akhir
D	GET index 0	Data pertama (nama saya) muncul
E	DELETE index 0	Data pertama berhasil dihapus
F	GET semua mahasiswa	Data saya sudah tidak ada

Screenshoot Uji Coba Postman:

A. GET data

The first screenshot shows a GET request to `http://localhost:3000/api/mahasiswa` with a status of 200 OK. The response body is a JSON array of three student objects:

```
[
  {
    "nama": "Dewi Atika Muthi",
    "nim": "2211104042"
  },
  {
    "nama": "Cabine Thither",
    "nim": "2211104822"
  },
  {
    "nama": "Hilda",
    "nim": "2211104823"
  }
]
```

The second screenshot shows a POST request to `http://localhost:3000/api/mahasiswa` with a status of 200 OK. The response body is a table with 3 rows of student data:

	nama	nim
0	Dewi Atika Muthi	2211104042
1	Cabine Thither	2211104822
2	Hilda	2211104823

B. POST data baru (John Doe – 1302199999)

The first screenshot shows a POST request to `http://localhost:3000/api/mahasiswa` with a JSON body: `{ "nama": "John Doe", "nim": "1302199999" }`. The second screenshot shows the response: `{ "message": "Data berhasil ditambahkan" }` with status `201 Created`.

Request:

```
POST http://localhost:3000/api/mahasiswa
{
  "nama": "John Doe",
  "nim": "1302199999"
}
```

Response:

```
201 Created
{
  "message": "Data berhasil ditambahkan"
}
```

C. GET data setelah POST

The first screenshot shows a GET request to `http://localhost:3000/api/mahasiswa` with status `200 OK`. The second screenshot shows the response as a table with 4 rows of student data.

Request:

```
GET http://localhost:3000/api/mahasiswa
```

Response:

```
200 OK
[
  {
    "nama": "Dewi Atika Muthi",
    "nim": "221114042"
  },
  {
    "nama": "Cabine Thither",
    "nim": "2211104822"
  },
  {
    "nama": "Hilda",
    "nim": "2211104823"
  },
  {
    "nama": "John Doe",
    "nim": "1302199999"
  }
]
```

	nama	nim
0	Dewi Atika Muthi	221114042
1	Cabine Thither	2211104822
2	Hilda	2211104823
3	John Doe	1302199999

D. GET data INDEX 0 (data saya, Dewi Atika Muthi)

The first screenshot shows the REST client interface with the URL `http://localhost:3000/api/mahasiswa/0` and the method `GET`. The response status is `200 OK` with a response time of 34 ms and a body size of 280 B. The response body is a JSON object:

```
{  "nama": "Dewi Atika Muthi",  "nim": "221114042"}
```

The second screenshot shows the same request, but the response body is displayed in a table format:

nama	Dewi Atika Muthi
nim	221114042

E. DELETE data INDEX ke-0 (data saya, Dewi Atika Muthi)

The first screenshot shows the REST client interface with the URL `http://localhost:3000/api/mahasiswa/0` and the method `DELETE`. The response status is `200 OK` with a response time of 158 ms and a body size of 270 B. The response body is a JSON object:

```
{  "message": "Data berhasil dihapus"}
```

The second screenshot shows the REST client interface with the URL `http://localhost:3000/api/mahasiswa` and the method `GET`. The response status is `200 OK` with a response time of 14 ms and a body size of 357 B. The response body is a JSON array:

```
[  {    "nama": "Cabine Thither",    "nim": "2211104822"  },  {    "nama": "Hilda",    "nim": "2211104823"  },  {    "nama": "John Doe",    "nim": "1302199999"  }]
```

F. GET data setelah DELETE

The image displays two screenshots of a REST client interface, likely Postman, showing a successful GET request to the endpoint `http://localhost:3000/api/mahasiswa`.

Top Screenshot: The response is displayed in a table format. The status is **200 OK**, with a response time of 14 ms and a body size of 357 B. The response contains three rows of student data.

	nama	nim
0	Cabine Thither	2211104822
1	Hilda	2211104823
2	John Doe	1302199999

Bottom Screenshot: The response is displayed in a JSON format. The status is **200 OK**, with a response time of 14 ms and a body size of 357 B. The response is a JSON array containing three objects, each representing a student.

```
1  [
2    {
3      "nama": "Cabine Thither",
4      "nim": "2211104822"
5    },
6    {
7      "nama": "Hilda",
8      "nim": "2211104823"
9    },
10   {
11     "nama": "John Doe",
12     "nim": "1302199999"
13   }
14 ]
```