

TECHNICAL TEST DEV SUPPORT

ANYAMAN HOSPITALITY

Profile Employer

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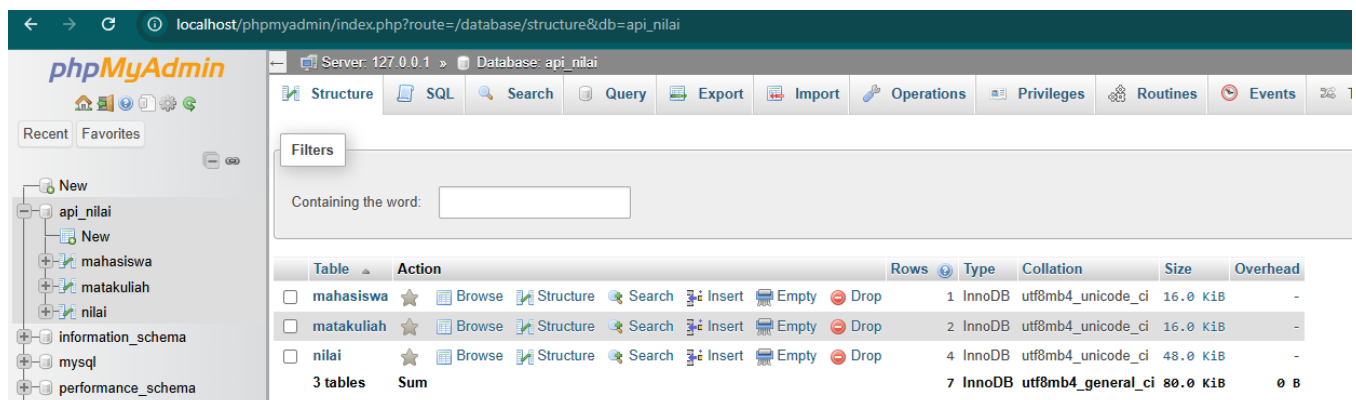
Email : aryantomukhlis@gmail.com

Github Repo : <https://github.com/mukhlisaryanto/DevSupport-AnyamanHospitality>

Tools

1. PHP version 8.1.25
2. Xampp
3. WebStrom Code Editor
4. Github
5. Node JS version 20.13.0
6. Laravel Framework
7. Postman

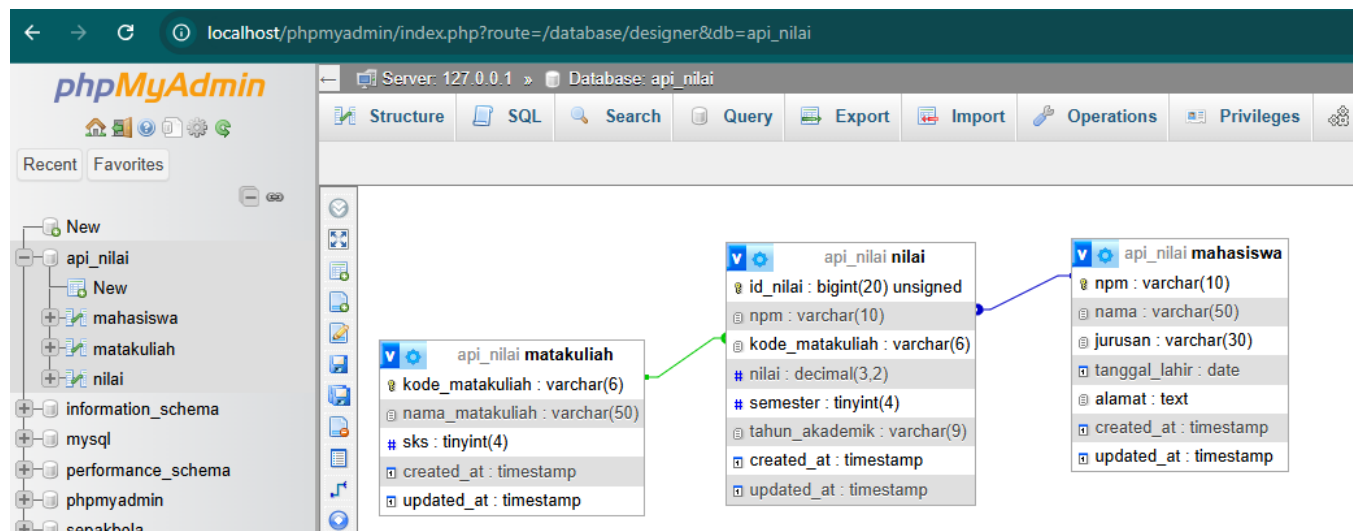
Database Api-Nilai



The screenshot shows the phpMyAdmin interface for the 'api_nilai' database. The left sidebar displays the database structure with a tree view showing 'api_nilai' and its sub-databases: 'mahasiswa', 'matakuliah', 'nilai', 'information_schema', 'mysql', and 'performance_schema'. The main panel shows the 'Structure' tab for the 'api_nilai' database. It lists three tables: 'mahasiswa', 'matakuliah', and 'nilai'. Each table has a row of icons for actions like Browse, Structure, Search, Insert, Empty, and Drop. Below the table list, a summary row shows '3 tables' and 'Sum'.

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> mahasiswa	★ Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> matakuliah	★ Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> nilai	★ Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_unicode_ci	48.0 KiB	-
3 tables	Sum	7	InnoDB	utf8mb4_general_ci	80.0 KiB	0 B

Gambar 1. List of table



Gambar 2. Schema Database Api-Nilai

Showing rows 0 - 0 (1 total, Query took 0.0013 seconds.)

`SELECT * FROM `mahasiswa``

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

	npm	nama	jurusan	tanggal_lahir	alamat	created_at	updated_at
<input type="checkbox"/> Edit Copy Delete	1234567890	John Doe	Teknik Informatika	1995-01-01	Jl. ABC No. 123	NULL	NULL

Table 1. Mahasiswa

Showing rows 0 - 1 (2 total, Query took 0.0012 seconds.)

`SELECT * FROM `matakuliah``

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	kode_matakuliah	nama_matakuliah	sks	created_at	updated_at
<input type="checkbox"/> Edit Copy Delete	IF101	Algoritma	3	NULL	NULL
<input type="checkbox"/> Edit Copy Delete	IF102	Struktur Data	3	NULL	NULL

☐ Check all | With selected: Edit Copy Delete Export

Table 2. Matakuliah

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✓ Showing rows 0 - 3 (4 total, Query took 0.0010 seconds.)

SELECT * FROM `nilai`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

				id_nilai	npm	kode_matakuliah	nilai	semester	tahun_akademik	created_at	updated_at
<input type="checkbox"/>	Edit	Copy	Delete	24	1234567890	IF101	8.50	1	2022/2023	NULL	NULL
<input type="checkbox"/>	Edit	Copy	Delete	25	1234567890	IF102	9.00	2	2022/2023	NULL	NULL
<input type="checkbox"/>	Edit	Copy	Delete	26	1234567890	IF101	7.50	1	2022/2023	2025-01-07 03:06:27	2025-01-07 03:06:27
<input type="checkbox"/>	Edit	Copy	Delete	27	1234567890	IF102	9.50	1	2022/2023	2025-01-07 03:06:27	2025-01-07 03:06:27

Table 3. Nilai

Web Service API Post Data Nilai

Overview POST Post Nilai GET Get data +

API Nilai / Post Nilai

POST http://127.0.0.1:8000/api/nilai

Params Authorization Headers (9) Body Pre-request Script Tests Settings

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

```
1 {
2   "nilai": [
3     {
4       "npm": "1234567890",
5       "kodeMataKuliah": "IF101",
6       "nilai": 7.5,
7       "tahunAjaran": "2022/2023"
8     },
9     {
10      "npm": "1234567890",
11      "kodeMataKuliah": "IF102",
12      "nilai": 9.5,
13      "tahunAjaran": "2022/2023"
14    }
15  ]
16 }
17
```

Body Cookies Headers (9) Test Results (1/1)

Pretty Raw Preview Visualize JSON

```
1 {
2   "message": "Data berhasil ditambahkan"
3 }
```

Web Service API Get Data Response

Overview

POST Post Nilai

GET Get data

+

API Nilai / Get data

GET

http://127.0.0.1:8000/api/data

Params

Authorization

Headers (7)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1

Body

Cookies

Headers (9)

Test Results (1/1)

Pretty

Raw

Preview

Visualize

JSON

1

{

2

"nilai": [

3

{

4

"id_nilai": 24,

5

"npm": "1234567890",

6

"kode_matakuliah": "IF101",

7

"nilai": "8.50",

8

"semester": 1,

9

"tahun_akademik": "2022/2023",

10

"created_at": null,

11

"updated_at": null,

12

"mahasiswa": {

13

"npm": "1234567890",

14

"nama": "John Doe",

15

"jurusan": "Teknik Informatika",

16

"tanggal_lahir": "1995-01-01",

17

"alamat": "Jl. ABC No. 123",

18

"created_at": null,

19

"updated_at": null

20

},

21

"matakuliah": {

22

"kode_matakuliah": "IF101",

23

"nama_matakuliah": "Algoritma",

24

"sks": 3,

25

"created_at": null,

26

"updated_at": null

27

}

28

},

29

{

30

"id_nilai": 25,

31

"npm": "1234567890",

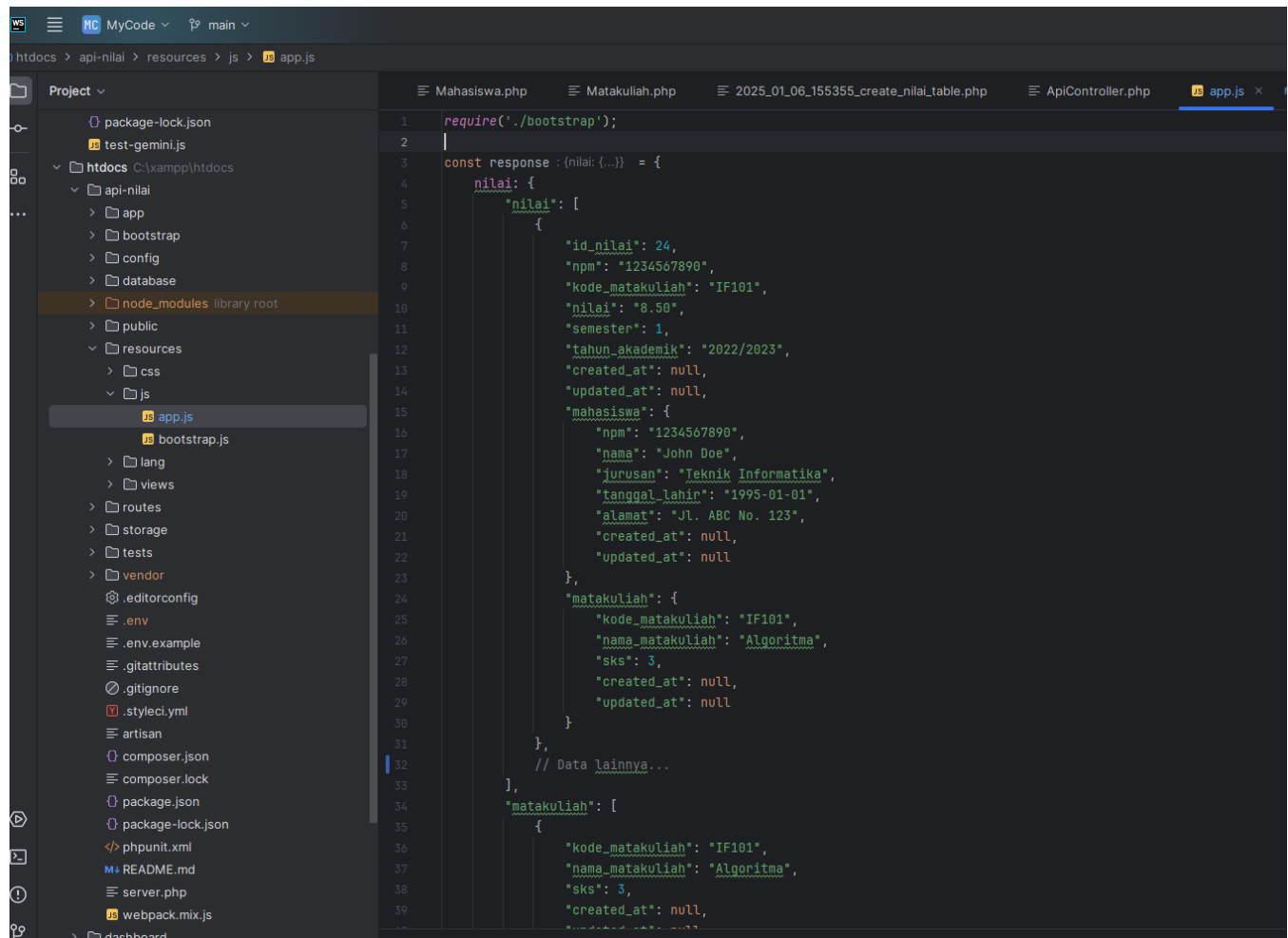
32

"kode_matakuliah": "IF102",

33

"nilai": "9.00",

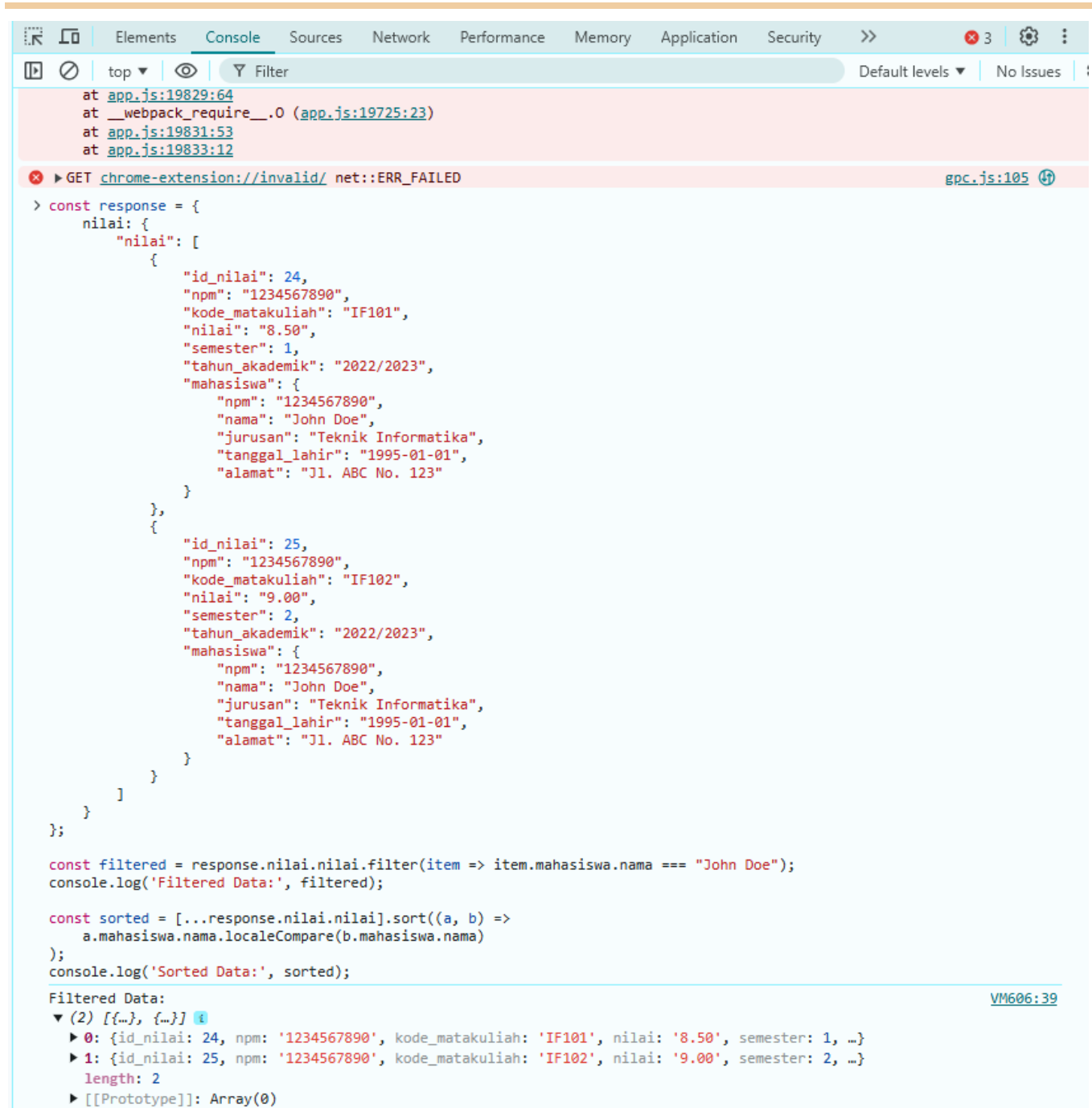
Define Response Get Data in resource > js > app.js



```

1  require('./bootstrap');
2
3  const response : {nilai: [...]} = {
4      nilai: {
5          "nilai": [
6              {
7                  "id_nilai": 24,
8                  "npm": "1234567890",
9                  "kode_matakuliah": "IF101",
10                 "nilai": "8.50",
11                 "semester": 1,
12                 "tahun_akademik": "2022/2023",
13                 "created_at": null,
14                 "updated_at": null,
15                 "mahasiswa": {
16                     "npm": "1234567890",
17                     "nama": "John Doe",
18                     "jurusan": "Teknik Informatika",
19                     "tanggal_lahir": "1995-01-01",
20                     "alamat": "Jl. ABC No. 123",
21                     "created_at": null,
22                     "updated_at": null
23                 },
24                 "matakuliah": {
25                     "kode_matakuliah": "IF101",
26                     "nama_matakuliah": "Algoritma",
27                     "sks": 3,
28                     "created_at": null,
29                     "updated_at": null
30                 }
31             },
32             // Data lainnya...
33         ],
34         "matakuliah": [
35             {
36                 "kode_matakuliah": "IF101",
37                 "nama_matakuliah": "Algoritma",
38                 "sks": 3,
39                 "created_at": null,
40                 "updated_at": null
41             }
42         ]
43     }
44 }
  
```

Array Filter with key mahasiswa from reponse json



```

at app.js:19829:64
at __webpack_require__.0 (app.js:19725:23)
at app.js:19831:53
at app.js:19833:12

✖ GET chrome-extension://invalid/ net::ERR_FAILED gpc.js:105 47

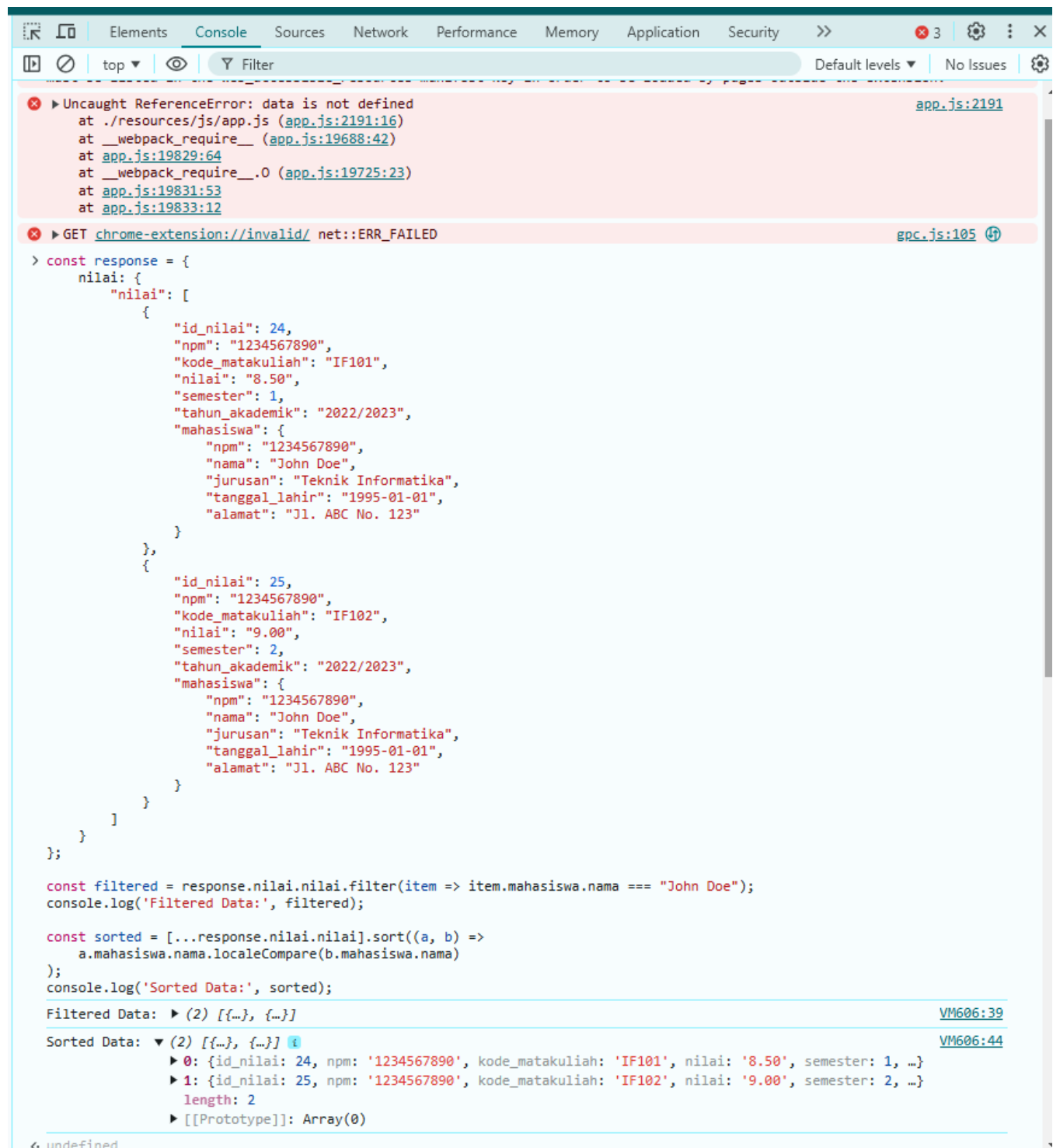
> const response = {
  nilai: {
    "nilai": [
      {
        "id_nilai": 24,
        "npm": "1234567890",
        "kode_matakuliah": "IF101",
        "nilai": "8.50",
        "semester": 1,
        "tahun_akademik": "2022/2023",
        "mahasiswa": {
          "npm": "1234567890",
          "nama": "John Doe",
          "jurusan": "Teknik Informatika",
          "tanggal_lahir": "1995-01-01",
          "alamat": "Jl. ABC No. 123"
        }
      },
      {
        "id_nilai": 25,
        "npm": "1234567890",
        "kode_matakuliah": "IF102",
        "nilai": "9.00",
        "semester": 2,
        "tahun_akademik": "2022/2023",
        "mahasiswa": {
          "npm": "1234567890",
          "nama": "John Doe",
          "jurusan": "Teknik Informatika",
          "tanggal_lahir": "1995-01-01",
          "alamat": "Jl. ABC No. 123"
        }
      }
    ]
  }
};

const filtered = response.nilai.nilai.filter(item => item.mahasiswa.nama === "John Doe");
console.log('Filtered Data:', filtered);

const sorted = [...response.nilai.nilai].sort((a, b) =>
  a.mahasiswa.nama.localeCompare(b.mahasiswa.nama)
);
console.log('Sorted Data:', sorted);

Filtered Data: VM606:39
▼ (2) [{...}, {...}]
  ► 0: {id_nilai: 24, npm: '1234567890', kode_matakuliah: 'IF101', nilai: '8.50', semester: 1, ...}
  ► 1: {id_nilai: 25, npm: '1234567890', kode_matakuliah: 'IF102', nilai: '9.00', semester: 2, ...}
    length: 2
  ► [[Prototype]]: Array(0)
  
```

Array Data Sort with key mahasiswa from response json



```

Uncaught ReferenceError: data is not defined
    at ./resources/js/app.js (app.js:2191:16)
    at __webpack_require__ (app.js:19688:42)
    at app.js:19829:64
    at __webpack_require__.O (app.js:19725:23)
    at app.js:19831:53
    at app.js:19833:12

GET chrome-extension://invalid/ net::ERR_FAILED
gpc.js:105

> const response = {
  nilai: {
    "nilai": [
      {
        "id_nilai": 24,
        "npm": "1234567890",
        "kode_matakuliah": "IF101",
        "nilai": "8.50",
        "semester": 1,
        "tahun_akademik": "2022/2023",
        "mahasiswa": {
          "npm": "1234567890",
          "nama": "John Doe",
          "jurusan": "Teknik Informatika",
          "tanggal_lahir": "1995-01-01",
          "alamat": "Jl. ABC No. 123"
        }
      },
      {
        "id_nilai": 25,
        "npm": "1234567890",
        "kode_matakuliah": "IF102",
        "nilai": "9.00",
        "semester": 2,
        "tahun_akademik": "2022/2023",
        "mahasiswa": {
          "npm": "1234567890",
          "nama": "John Doe",
          "jurusan": "Teknik Informatika",
          "tanggal_lahir": "1995-01-01",
          "alamat": "Jl. ABC No. 123"
        }
      }
    ]
  }
};

const filtered = response.nilai.nilai.filter(item => item.mahasiswa.nama === "John Doe");
console.log('Filtered Data:', filtered);

const sorted = [...response.nilai.nilai].sort((a, b) =>
  a.mahasiswa.nama.localeCompare(b.mahasiswa.nama)
);
console.log('Sorted Data:', sorted);

Filtered Data: ▶ (2) [{...}, {...}] VM606:39
Sorted Data: ▼ (2) [{...}, {...}] VM606:44
  ▶ 0: {id_nilai: 24, npm: '1234567890', kode_matakuliah: 'IF101', nilai: '8.50', semester: 1, ...}
  ▶ 1: {id_nilai: 25, npm: '1234567890', kode_matakuliah: 'IF102', nilai: '9.00', semester: 2, ...}
    length: 2
    [[Prototype]]: Array(0)
< undefined
  
```