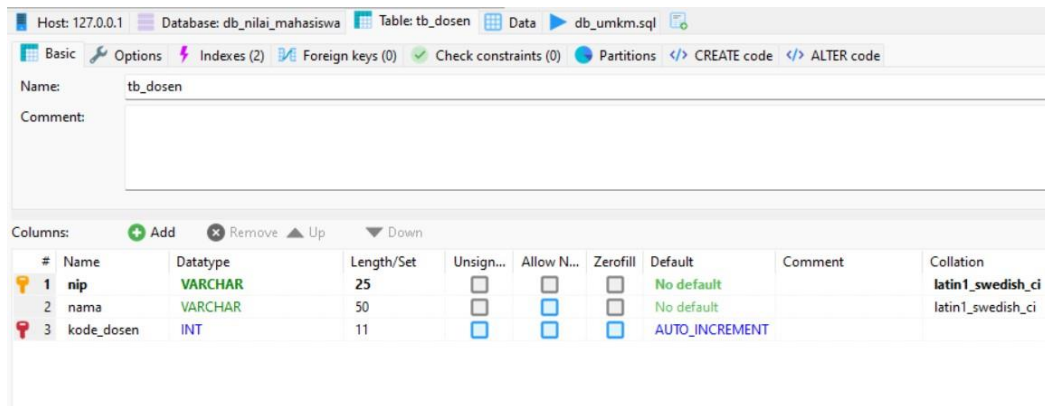


BACK END: PENJELASAN ISI DATA BASE

1. TABEL DOSEN PADA DB_NILAI_MAHASISWA

Berguna untuk menyimpan data dosen untuk dapat diolah dalam sebuah aplikasi yang sedang kami buat.



Host: 127.0.0.1 Database: db_nilai_mahasiswa Table: tb_dosen Data db_umkm.sql

Basic Options Indexes (2) Foreign keys (0) Check constraints (0) Partitions CREATE code ALTER code

Name: tb_dosen
Comment:

Columns: Add Remove Up Down

#	Name	Datatype	Length/Set	Unsign...	Allow N...	Zerofill	Default	Comment	Collation
1	nip	VARCHAR	25	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		latin1_swedish_ci
2	nama	VARCHAR	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		latin1_swedish_ci
3	kode_dosen	INT	11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AUTO_INCREMENT		

Tampilan data di bawah adalah yang ada di dalam table dosen yang mana sudah di setting sebelum nya untuk keperluan tester.



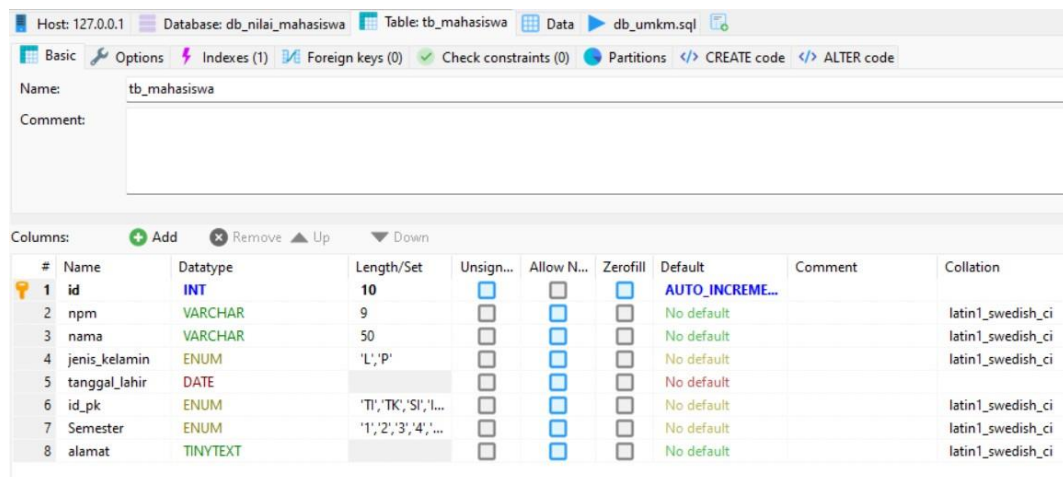
Host: 127.0.0.1 Database: db_nilai_mahasiswa Table: tb_dosen Data db_umkm.sql

db_nilai_mahasiswa.tb_dosen: 3 rows total (approximately)

nip	nama	kode_dosen
0203018101	Adi Sucipto, S.Kom., M.T.	2
022100105	Adhie Thyo Priandika, S.Kom., M.Kom.	1
0229117102	Riduwan Napianto, S.E., M.Kom.	3

2. TABEL MAHASISWA PADA DB_NILAI_MAHASISWA

Berguna untuk menyimpan data mahasiswa untuk dapat diolah dalam sebuah aplikasi yang sedang kami buat.



Host: 127.0.0.1 Database: db_nilai_mahasiswa Table: tb_mahasiswa Data db_umkm.sql

Basic Options Indexes (1) Foreign keys (0) Check constraints (0) Partitions CREATE code ALTER code

Name: tb_mahasiswa
Comment:

Columns: Add Remove Up Down

#	Name	Datatype	Length/Set	Unsign...	Allow N...	Zerofill	Default	Comment	Collation
1	id	INT	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AUTO_INCREME...		
2	npm	VARCHAR	9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		latin1_swedish_ci
3	nama	VARCHAR	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		latin1_swedish_ci
4	jenis_kelamin	ENUM	'L','P'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		latin1_swedish_ci
5	tanggal_lahir	DATE		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		
6	id_pk	ENUM	'T','TK','SI','I...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		latin1_swedish_ci
7	Semester	ENUM	'1','2','3','4',...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		latin1_swedish_ci
8	alamat	TINYTEXT		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		latin1_swedish_ci

Tampilan data di bawah adalah yang ada di dalam table mahasiswa yang mana sudah di setting sebelum nya untuk keperluan tester.

Host: 127.0.0.1 Database: db_nilai_mahasiswa Table: tb_mahasiswa Data db_umkm.sql

db_nilai_mahasiswa.tb_mahasiswa: 4 rows total (approximately)

id	npm	nama	jenis_kelamin	tanggal_lahir	id_pk	Semester	alamat
1	20313015	Alvi Suhartanto	L	2001-12-14	TI	5	Antasari
2	20313007	Yeria Ari Sandi	L	2002-01-06	TI	5	Way Halim
3	20313009	Fahreja Aditya	L	2000-06-06	TI	5	Kedaton
4	20313012	Tirta Tegar La...	L	2002-10-10	TI	5	Natar

3. TABEL MATKUL DB_NILAI_MAHASISWA

Berguna untuk menyimpan data mata kuliah untuk dapat diolah dalam sebuah aplikasi yang sedang kami buat.

Host: 127.0.0.1 Database: db_nilai_mahasiswa Table: tb_mata_kuliah Data db_umkm.sql

Basic Options Indexes (1) Foreign keys (0) Check constraints (0) Partitions CREATE code ALTER code

Name: tb_mata_kuliah

Comment:

Columns: Add Remove Up Down

#	Name	Datatype	Length/Set	Unsign...	Allow N...	Zerofill	Default	Comment	Collation
1	kode_mk	VARCHAR	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		latin1_swedish_ci
2	nama_mk	VARCHAR	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No default		latin1_swedish_ci
3	sks	INT	11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	No default		

Tampilan data di bawah adalah yang ada di dalam table matkul yang mana sudah di setting sebelum nya untuk keperluan tester.

Host: 127.0.0.1 Database: db_nilai_mahasiswa Table: tb_mata_kuliah Data db_umkm.sql

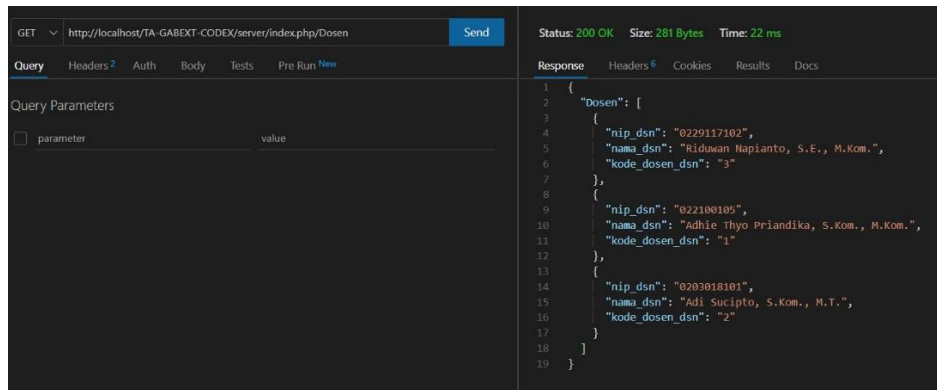
db_nilai_mahasiswa.tb_mata_kuliah: 6 rows total (approximately)

kode_mk	nama_mk	sks
DIP001	Bahasa Indonesia	3
DIP002	Kewirausahaan	3
DIP003	Bahasa Inggris	3
DIP004	Aplikom	3
INF001	Sistem Operasi	4
INF002	Aljabar Linier	2

BACK END: PENJELASAN THUNDER CLIENT

1. FUNGSI GET, POST, PUT, DELETE PADA ISI TABEL DOSEN

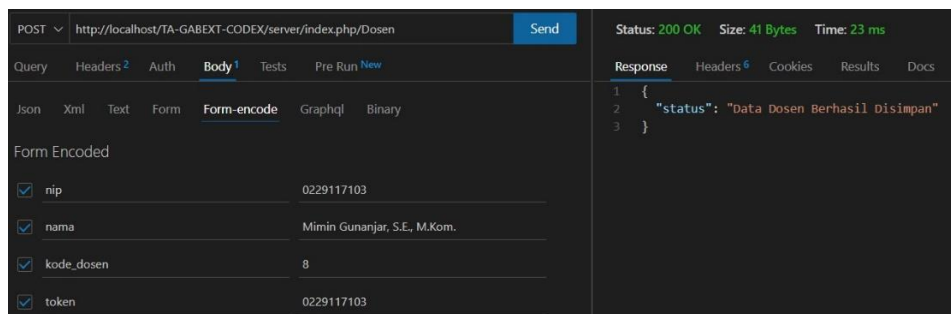
A. GET (MELIHAT DATA)



The screenshot shows a GET request in Thunder Client. The URL is `http://localhost/TA-GABEXT-CODEX/server/index.php/Dosen`. The response status is 200 OK, with a size of 281 Bytes and a time of 22 ms. The response body is a JSON array of three teacher objects.

```
1 {
2   "Dosen": [
3     {
4       "nip_dsn": "0229117102",
5       "nama_dsn": "Riduwan Napianto, S.E., M.Kom.",
6       "kode_dosen_dsn": "3"
7     },
8     {
9       "nip_dsn": "022100105",
10      "nama_dsn": "Adhie Thyo Priandika, S.Kom., M.Kom.",
11      "kode_dosen_dsn": "1"
12     },
13     {
14       "nip_dsn": "0203018101",
15       "nama_dsn": "Adi Sucipto, S.Kom., M.T.",
16       "kode_dosen_dsn": "2"
17     }
18   ]
19 }
```

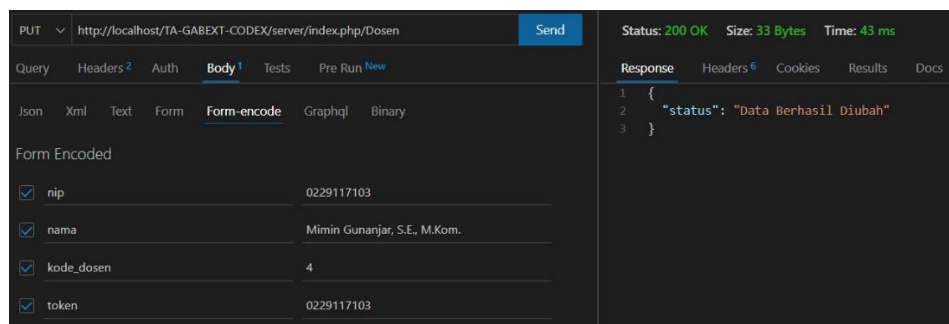
B. POST (MENGIRIM DATA)



The screenshot shows a POST request in Thunder Client. The URL is `http://localhost/TA-GABEXT-CODEX/server/index.php/Dosen`. The request body is form-encoded with the following data: nip (0229117103), nama (Mimin Gunanjar, S.E., M.Kom.), kode_dosen (8), and token (0229117103). The response status is 200 OK, with a size of 41 Bytes and a time of 23 ms. The response body is a JSON object indicating success.

```
1 {
2   "status": "Data Dosen Berhasil Disimpan"
3 }
```

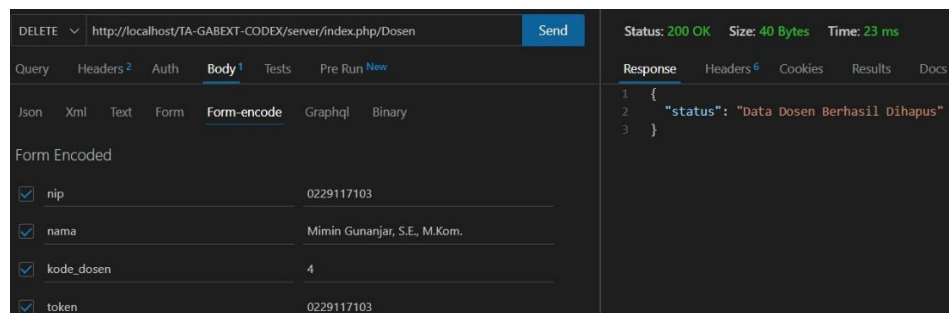
C. PUT (MENGUBAH DATA)



The screenshot shows a PUT request in Thunder Client. The URL is `http://localhost/TA-GABEXT-CODEX/server/index.php/Dosen`. The request body is form-encoded with the following data: nip (0229117103), nama (Mimin Gunanjar, S.E., M.Kom.), kode_dosen (4), and token (0229117103). The response status is 200 OK, with a size of 33 Bytes and a time of 43 ms. The response body is a JSON object indicating success.

```
1 {
2   "status": "Data Berhasil Diubah"
3 }
```

D. DELETE (MENGHAPUS DATA)

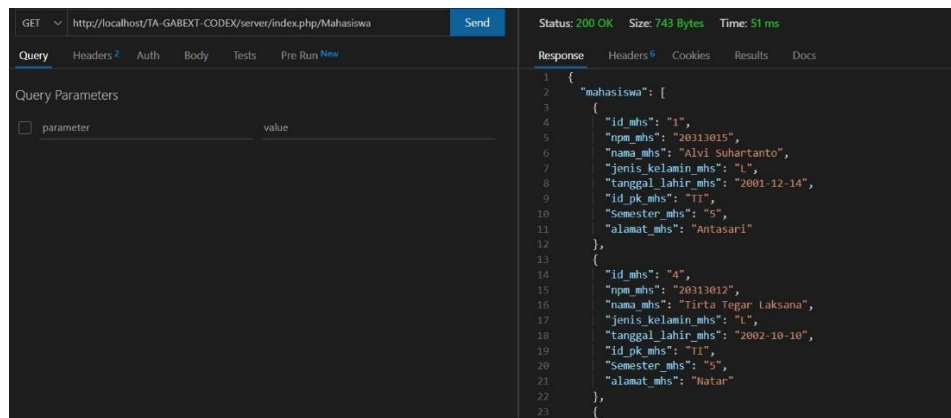


The screenshot shows a DELETE request in Thunder Client. The URL is `http://localhost/TA-GABEXT-CODEX/server/index.php/Dosen`. The request body is form-encoded with the following data: nip (0229117103), nama (Mimin Gunanjar, S.E., M.Kom.), kode_dosen (4), and token (0229117103). The response status is 200 OK, with a size of 40 Bytes and a time of 23 ms. The response body is a JSON object indicating success.

```
1 {
2   "status": "Data Dosen Berhasil Dihapus"
3 }
```

2. FUNGSI GET, POST, PUT, DELETE PADA ISI TABEL MAHASISWA

A. GET (MELIHAT DATA)



GET <http://localhost/TA-GABEXT-CODEX/server/index.php/Mahasiswa> Send Status: 200 OK Size: 743 Bytes Time: 51 ms

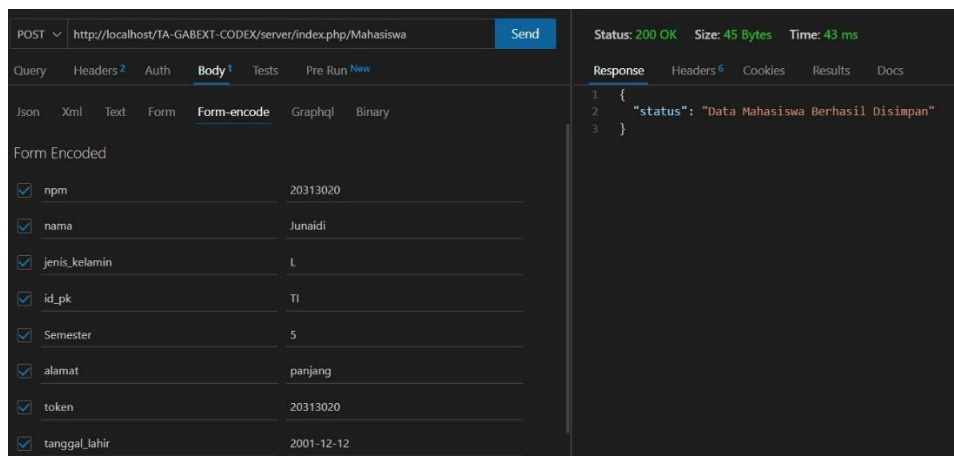
Query Parameters

parameter	value
-----------	-------

Response

```
1 {
2   "mahasiswa": [
3     {
4       "id_mhs": "1",
5       "npm_mhs": "20313015",
6       "nama_mhs": "Alvi Suhartanto",
7       "jenis_kelamin_mhs": "L",
8       "tanggal_lahir_mhs": "2001-12-14",
9       "id_pk_mhs": "TI",
10      "Semester_mhs": "5",
11      "alamat_mhs": "Antasari"
12    },
13    {
14      "id_mhs": "4",
15      "npm_mhs": "20313012",
16      "nama_mhs": "Tirta Tegar Laksana",
17      "jenis_kelamin_mhs": "L",
18      "tanggal_lahir_mhs": "2002-10-10",
19      "id_pk_mhs": "TI",
20      "Semester_mhs": "5",
21      "alamat_mhs": "Natar"
22    }
23  ]
24 }
```

B. POST (MENGIRIM DATA)



POST <http://localhost/TA-GABEXT-CODEX/server/index.php/Mahasiswa> Send Status: 200 OK Size: 45 Bytes Time: 43 ms

Body ¹

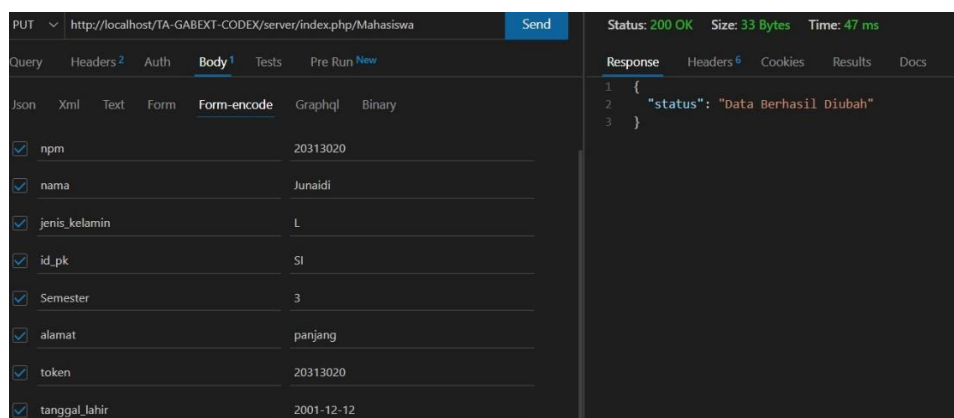
Form Encoded

<input checked="" type="checkbox"/>	npm	20313020
<input checked="" type="checkbox"/>	nama	Junaldi
<input checked="" type="checkbox"/>	jenis_kelamin	L
<input checked="" type="checkbox"/>	id_pk	TI
<input checked="" type="checkbox"/>	Semester	5
<input checked="" type="checkbox"/>	alamat	panjang
<input checked="" type="checkbox"/>	token	20313020
<input checked="" type="checkbox"/>	tanggal_lahir	2001-12-12

Response

```
1 {
2   "status": "Data Mahasiswa Berhasil Disimpan"
3 }
```

C. PUT (MENGUBAH DATA)



PUT <http://localhost/TA-GABEXT-CODEX/server/index.php/Mahasiswa> Send Status: 200 OK Size: 33 Bytes Time: 47 ms

Body ¹

Form Encoded

<input checked="" type="checkbox"/>	npm	20313020
<input checked="" type="checkbox"/>	nama	Junaldi
<input checked="" type="checkbox"/>	jenis_kelamin	L
<input checked="" type="checkbox"/>	id_pk	SI
<input checked="" type="checkbox"/>	Semester	3
<input checked="" type="checkbox"/>	alamat	panjang
<input checked="" type="checkbox"/>	token	20313020
<input checked="" type="checkbox"/>	tanggal_lahir	2001-12-12

Response

```
1 {
2   "status": "Data Berhasil Diubah"
3 }
```

D. DELETE (MENGHAPUS DATA)

DELETE http://localhost/TA-GABEXT-CODEX/server/index.php/Mahasiswa

Status: 200 OK Size: 44 Bytes Time: 43 ms

Query Headers 2 Auth Body 1 Tests Pre Run New

Json Xml Text Form Form-encode Graphql Binary

☒ npm 20313020

☒ nama Junaidi

☒ jenis_kelamin L

☒ id_pk SI

☒ Semester 3

☒ alamat panjang

☒ token 20313020

☒ tanggal_lahir 2001-12-12

Response Headers 6 Cookies Results Docs

```
1 {
2   "status": "Data Mahasiswa Berhasil Dihapus"
3 }
```

3. FUNGSI GET, POST, PUT, DELETE PADA ISI TABEL MATKUL

A. GET (MELIHAT DATA)

GET http://localhost/TA-GABEXT-CODEX/server/index.php/Matkul

Status: 200 OK Size: 426 Bytes Time: 33 ms

Query Headers 2 Auth Body Tests Pre Run New

Query Parameters

☐ parameter value

Response Headers 6 Cookies Results Docs

```
1 {
2   "matkul": [
3     {
4       "kode_mk_mhs": "INF002",
5       "nama_mk_mhs": "Aljabar Linier",
6       "sks_mhs": "2"
7     },
8     {
9       "kode_mk_mhs": "INF001",
10      "nama_mk_mhs": "Sistem Operasi",
11      "sks_mhs": "4"
12     },
13     {
14       "kode_mk_mhs": "DIP004",
15       "nama_mk_mhs": "Aplikom",
16       "sks_mhs": "3"
17     },
18     {
19       "kode_mk_mhs": "DIP003",
20       "nama_mk_mhs": "Bahasa Inggris",
21       "sks_mhs": "3"
22     }
23   ]
24 }
```

B. POST (MENGIRIM DATA)

POST http://localhost/TA-GABEXT-CODEX/server/index.php/Matkul

Status: 200 OK Size: 42 Bytes Time: 37 ms

Query Headers 2 Auth Body 1 Tests Pre Run New

Json Xml Text Form Form-encode Graphql Binary

Form Encoded

☒ kode_mk INF007

☒ nama_mk Keamanan Jarinagan

☒ sks 3

☒ token INF007

Response Headers 6 Cookies Results Docs

```
1 {
2   "status": "Data matkul Berhasil Disimpan"
3 }
```

C. PUT (MENGUBAH DATA)

PUT ▼ http://localhost/TA-GABEXT-CODEX/server/index.php/Matkul Send Status: 200 OK Size: 33 Bytes Time: 26 ms

Query Headers ² Auth **Body ¹** Tests Pre Run ^{New}

Json Xml Text Form **Form-encode** GraphQL Binary

Form Encoded

<input checked="" type="checkbox"/>	kode_mk	INF006
<input checked="" type="checkbox"/>	nama_mk	Keamanan Jarinagan
<input checked="" type="checkbox"/>	sks	3
<input checked="" type="checkbox"/>	token	INF006

Response Headers ⁶ Cookies Results Docs

```
1 {
2   "status": "Data Berhasil Diubah"
3 }
```

D. DELETE (MENGHAPUS DATA)

DELETE ▼ http://localhost/TA-GABEXT-CODEX/server/index.php/Matkul Send Status: 200 OK Size: 41 Bytes Time: 38 ms

Query Headers ² Auth **Body ¹** Tests Pre Run ^{New}

Json Xml Text Form **Form-encode** GraphQL Binary

Form Encoded

<input checked="" type="checkbox"/>	kode_mk	INF007
<input checked="" type="checkbox"/>	nama_mk	Keamanan Jarinagan
<input checked="" type="checkbox"/>	sks	3
<input checked="" type="checkbox"/>	token	INF007

Response Headers ⁶ Cookies Results Docs

```
1 {
2   "status": "Data matkul Berhasil Dihapus"
3 }
```