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Dosen : Jean Riko Kurniawan Putra, S.Kom, M.Kom
Mata Ujian : Pemograman Berbasis Objek

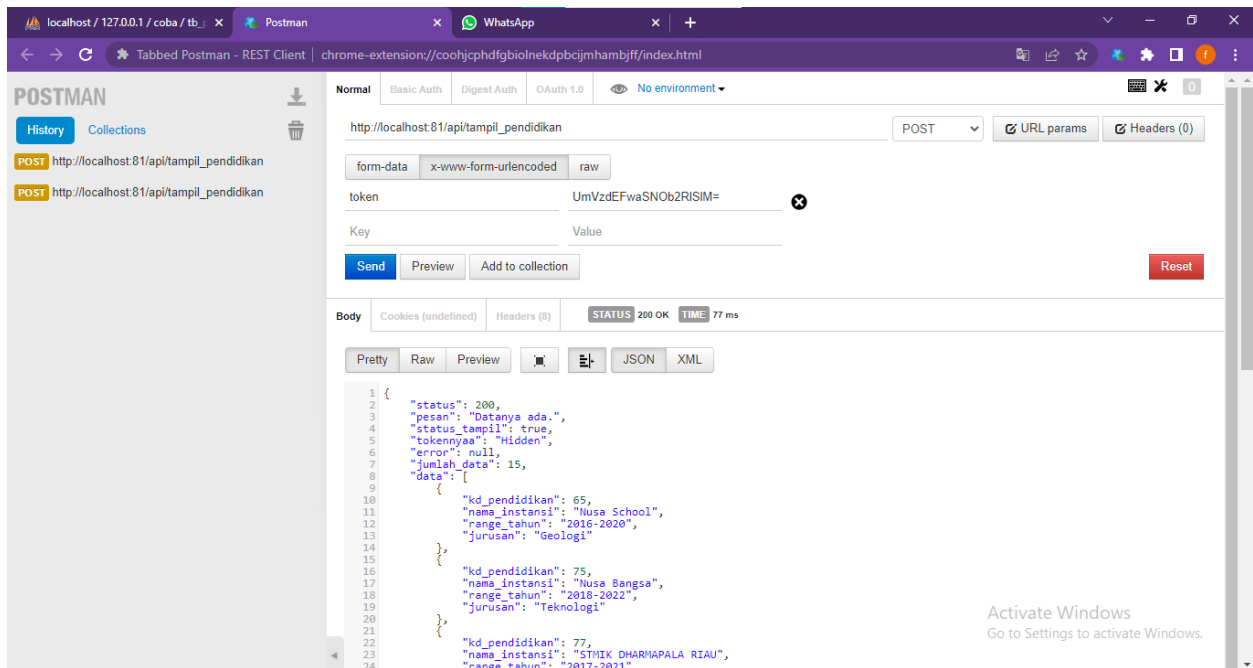
Ujian Tengah Semester Mini Proyek

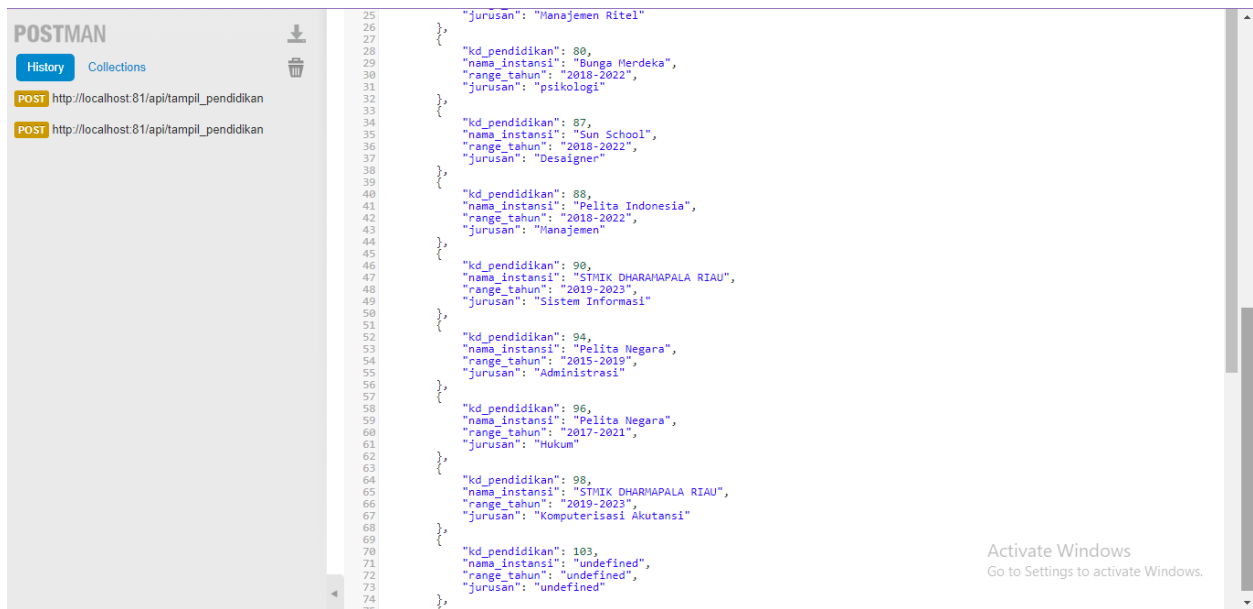
Hasil tampilan (VSC - Postman)

- **Tabel Pendidikan**

1. Tampil pendidikan

```
app.post("/api/tampil_pendidikan", (req, res) => {  
  console.log("Tampil pendidikan");  
  let data = {  
    token: req.body.token,  
    jam_request: PublikFungsi.WaktuSekarang("DD-MM-YYYY HH:mm:ss") + " Wib.",  
  };  
  let sql;  
  let nama_tabel = 'tb_pendidikan';  
  let nama_field = '*';  
  let kondisi = 'ORDER BY kd_pendidikan ASC';
```



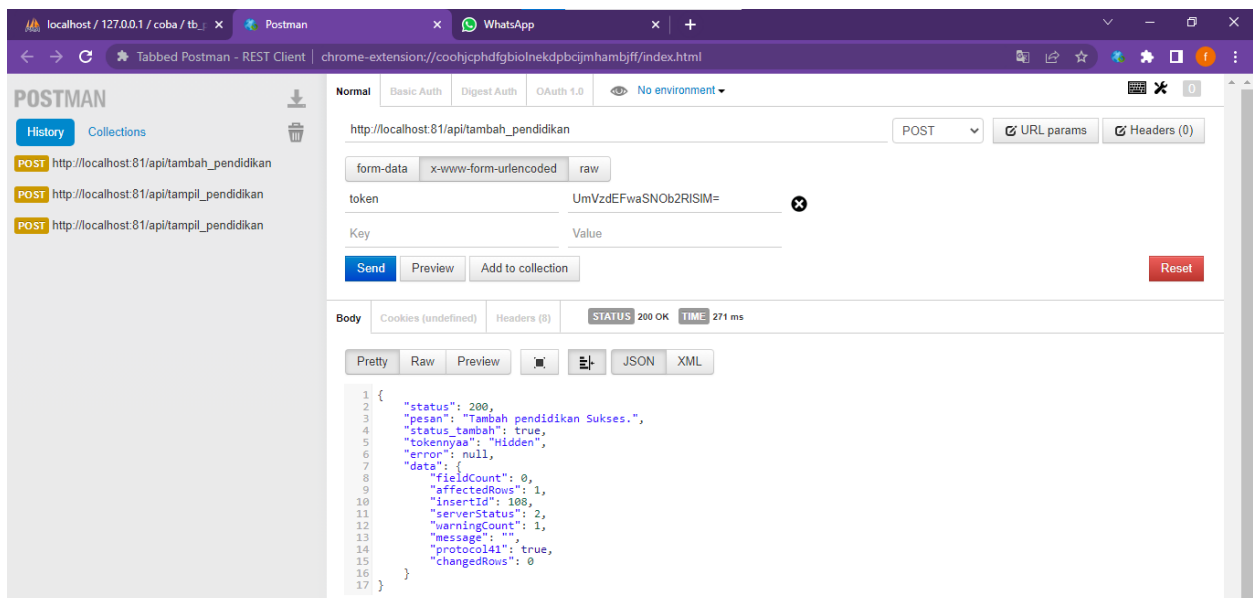


2. Tambah Pendidikan

```

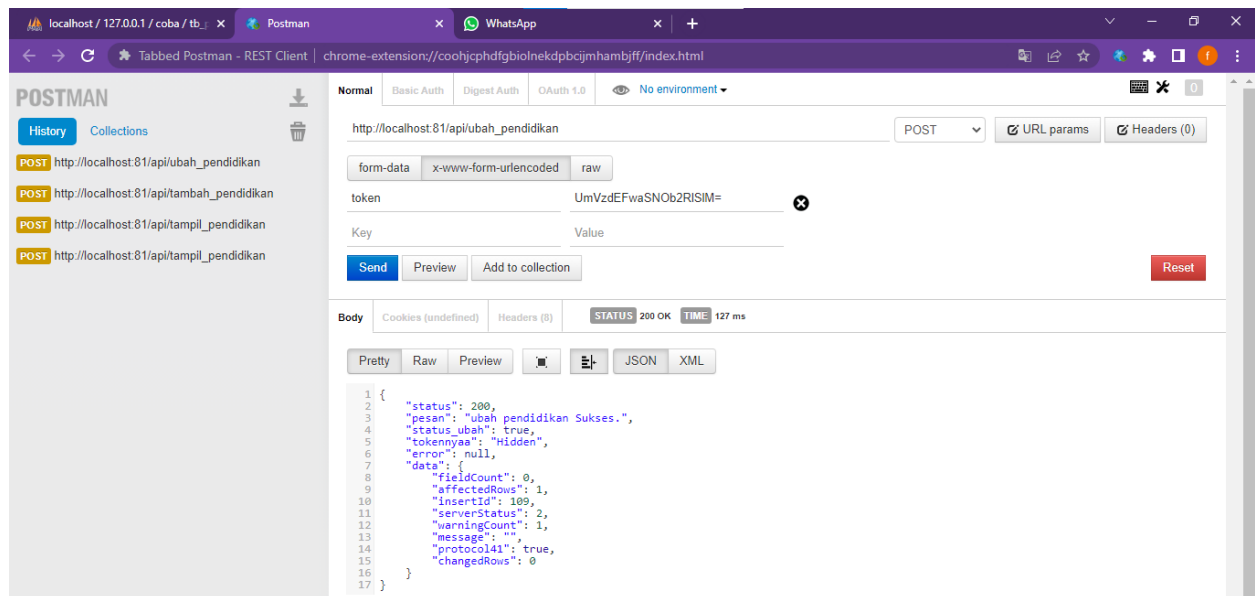
app.post("/api/tambah_pendidikan", (req, res) => {
  console.log("Tambah pendidikan");
  let data = {
    token: req.body.token,
    kd_pendidikan : req.body.kd_pendidikan,
    nama_instansi : req.body.nama_instansi,
    range_tahun : req.body.range_tahun,
    jurusan : req.body.jurusan,
    jam_request: PublikFungsi.WaktuSekarang("DD-MM-YYYY HH:mm:ss") + " Wib.",
  };
  let sql;
  let nama_tabel = 'tb_pendidikan';
  let nama_field = 'kd_pendidikan,nama_instansi,range_tahun,jurusan';
  let value_field = '' + data.kd_pendidikan + ',';
  value_field += '' + data.nama_instansi + ',';
  value_field += '' + data.range_tahun + ',';
  value_field += '' + data.jurusan + ',';

```



3. Ubah Pendidikan

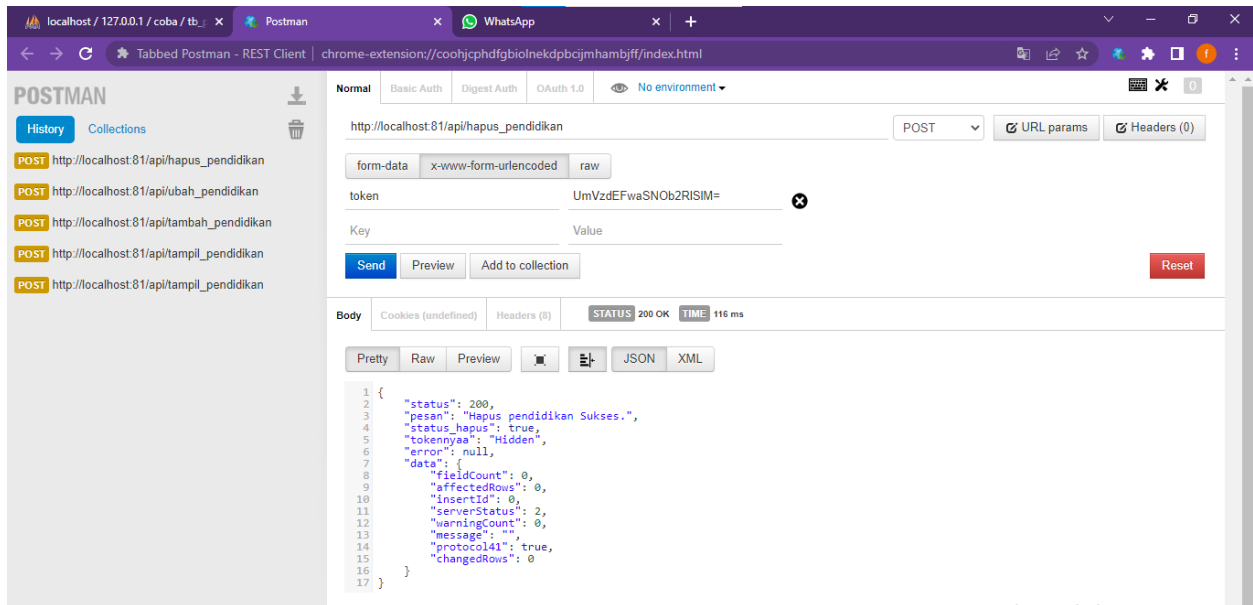
```
app.post("/api/ubah_pendidikan", (req, res) => {
  console.log("Ubah pendidikan");
  let data = {
    token: req.body.token,
    kd_pendidikan : req.body.kd_pendidikan,
    nama_instansi: req.body.nama_instansi,
    range_tahun : req.body.range_tahun,
    jurusan : req.body.jurusan,
    jam_request: PublikFungsi.WaktuSekarang("DD-MM-YYYY HH:mm:ss") + " Wib.",
  };
  let sql;
  let nama_tabel = 'tb_pendidikan';
  let nama_field = 'kd_pendidikan,nama_instansi,range_tahun,jurusan';
  let value_field = '"" + data.kd_pendidikan + '",'';
  value_field += '"" + data.nama_instansi + '",'';
  value_field += '"" + data.range_tahun + '",'';
  value_field += '"" + data.jurusan + '",'';
```



4. Hapus Pendidikan

```
app.post("/api/hapus_pendidikan", (req, res) => {
  console.log("Hapus pendidikan");
  let data = {
    token: req.body.token,
    kd_pendidikan : req.body.kd_pendidikan,
    jam_request: PublikFungsi.WaktuSekarang("DD-MM-YYYY HH:mm:ss") + " Wib.",
  };
  let sql;
  let nama_tabel = 'tb_pendidikan';
  let kondisi = 'kd_pendidikan = ' + data.kd_pendidikan + ' ';

```



- Tabel Pengalaman

1. Tampil Pengalaman

```
app.post("/api/tampil_pengalaman", (req, res) => {
  console.log("Tampil pengalaman");
  let data = {
    token: req.body.token,
    jam_request: PublikFungsi.WaktuSekarang("DD-MM-YYYY HH:mm:ss") + " Wib.",
  };
  let sql;
  let nama_tabel = 'tb_pengalaman_kerja';
  let nama_field = '*';
  let kondisi = 'ORDER BY kd_pengalaman ASC';

```

localhost / 127.0.0.1 / coba / tb... Postman WhatsApp

Tabbed Postman - REST Client | chrome-extension://coohjchphdfigbiolnekdpcbjmhambjff/index.html

POSTMAN

History Collections

POST http://localhost:81/api/tampil_pengalaman

POST http://localhost:81/api/hapus_pendidikan

POST http://localhost:81/api/ubah_pendidikan

POST http://localhost:81/api/tambah_pendidikan

POST http://localhost:81/api/tampil_pendidikan

POST http://localhost:81/api/tampil_pendidikan

Normal Basic Auth Digest Auth OAuth 1.0 No environment

http://localhost:81/api/tampil_pengalaman POST URL params Headers (0)

form-data x-www-form-urlencoded raw

token UmVzdEFwaSNob2RISIM=

Key Value

Send Preview Add to collection Reset

Body Cookies (undefined) Headers (8) STATUS 200 OK TIME 146 ms

Pretty Raw Preview JSON XML

```
1 {
2   "status": 200,
3   "pesan": "Datanya ada.",
4   "status_tampil": true,
5   "tokennya": "Hidden",
6   "error": null,
7   "jumlah_data": 22,
8   "data": [
9     {
10      "kd_pengalaman": 1,
11      "nama_instansi": "Cv.Jaya Abadi",
12      "jabatan_terakhir": "Manager ",
13      "terakhir_bekerja": 2019
14    },
15    {
16      "kd_pengalaman": 2,
17      "nama_instansi": "CV Arya Dwiguna",
18      "jabatan_terakhir": "Kepala Gudang",
19      "terakhir_bekerja": 2020
20    },
21    {
22      "kd_pengalaman": 3,
23      "nama_instansi": "CV.Sentosa",
24      "jabatan_terakhir": "Admin",
```

Activate Windows
Go to Settings to activate Windows.

POSTMAN

History Collections

POST http://localhost:81/api/tampil_pengalaman

POST http://localhost:81/api/hapus_pendidikan

POST http://localhost:81/api/ubah_pendidikan

POST http://localhost:81/api/tambah_pendidikan

POST http://localhost:81/api/tampil_pendidikan

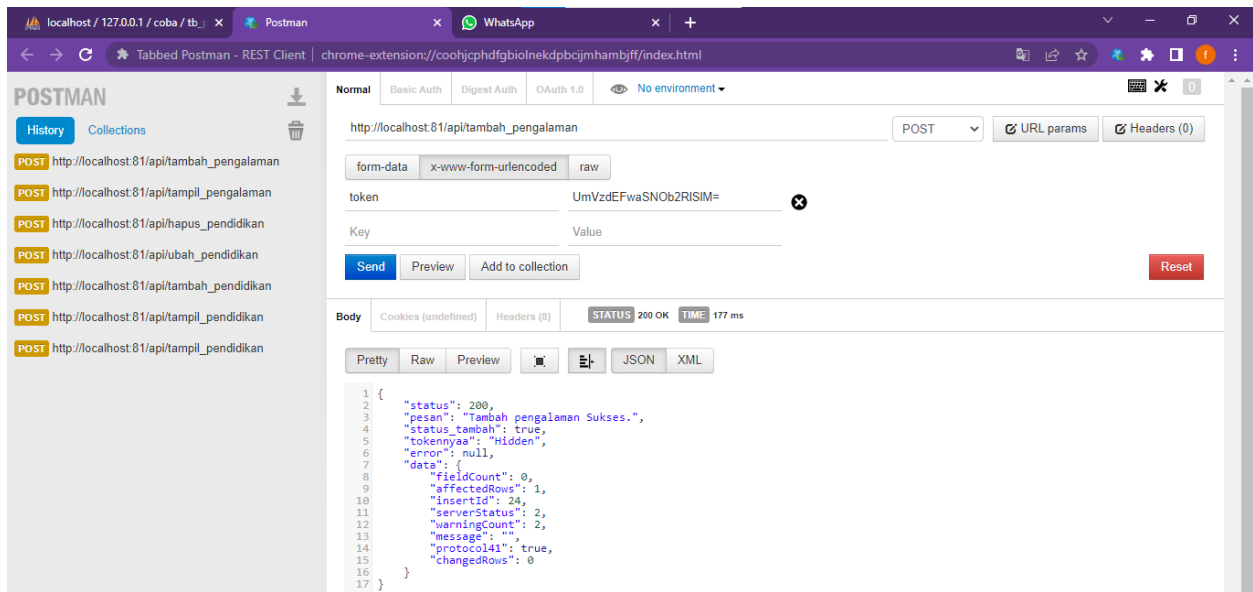
POST http://localhost:81/api/tampil_pendidikan

```
25   "terakhir_bekerja": 2021
26 },
27 },
28 {
29   "kd_pengalaman": 4,
30   "nama_instansi": "PT.Tri Bakti",
31   "jabatan_terakhir": "Staff",
32   "terakhir_bekerja": 2015
33 },
34 },
35 {
36   "kd_pengalaman": 5,
37   "nama_instansi": "PT.Masmur",
38   "jabatan_terakhir": "STAFF Gudang",
39   "terakhir_bekerja": 2020
40 },
41 {
42   "kd_pengalaman": 6,
43   "nama_instansi": "Beta Mart",
44   "jabatan_terakhir": "Staff Gudang",
45   "terakhir_bekerja": 2020
46 },
47 {
48   "kd_pengalaman": 7,
49   "nama_instansi": "Rumah Makan",
50   "jabatan_terakhir": "Cuci ",
51   "terakhir_bekerja": 2021
52 },
53 {
54   "kd_pengalaman": 8,
55   "nama_instansi": "PT.Tiga Insan",
56   "jabatan_terakhir": "Kasir",
57   "terakhir_bekerja": 2018
58 },
59 {
60   "kd_pengalaman": 9,
61   "nama_instansi": "PT Thirta",
62   "jabatan_terakhir": "Kepala Ruangan",
63   "terakhir_bekerja": 2022
64 },
65 {
66   "kd_pengalaman": 11,
67   "nama_instansi": "undefined",
68   "jabatan_terakhir": "undefined",
69   "terakhir_bekerja": "0000"
70 },
71 {
72   "kd_pengalaman": 12,
73   "nama_instansi": "undefined",
74   "jabatan_terakhir": "undefined",
75   "terakhir_bekerja": "0000"
76 },
77 }
```

Activate Windows
Go to Settings to activate Windows.

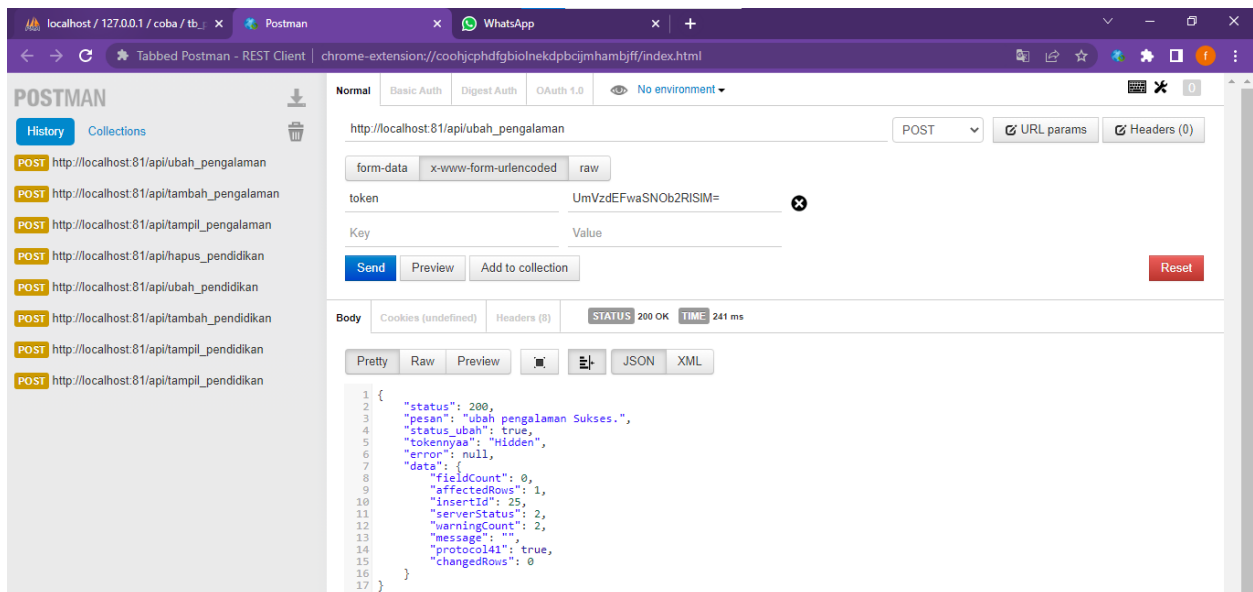
2. Tambah Pengalaman

```
app.post("/api/tambah_pengalaman", (req, res) => {
  console.log("Tambah pengalaman");
  let data = {
    token: req.body.token,
    kd_pengalaman : req.body.kd_pengalaman,
    nama_instansi : req.body.nama_instansi,
    jabatan_terakhir : req.body.jabatan_terakhir,
    terakhir_bekerja : req.body.terakhir_bekerja,
    jam_request: PublikFungsi.WaktuSekarang("DD-MM-YYYY HH:mm:ss") + " Wib.",
  };
  let sql;
  let nama_tabel = 'tb_pengalaman_kerja';
  let nama_field = 'kd_pengalaman,nama_instansi,jabatan_terakhir,terakhir_bekerja';
  let value_field = '' + data.kd_pengalaman + ',';
  value_field += '' + data.nama_instansi + ',';
  value_field += '' + data.jabatan_terakhir + ',';
  value_field += '' + data.terakhir_bekerja + ',';
});
```



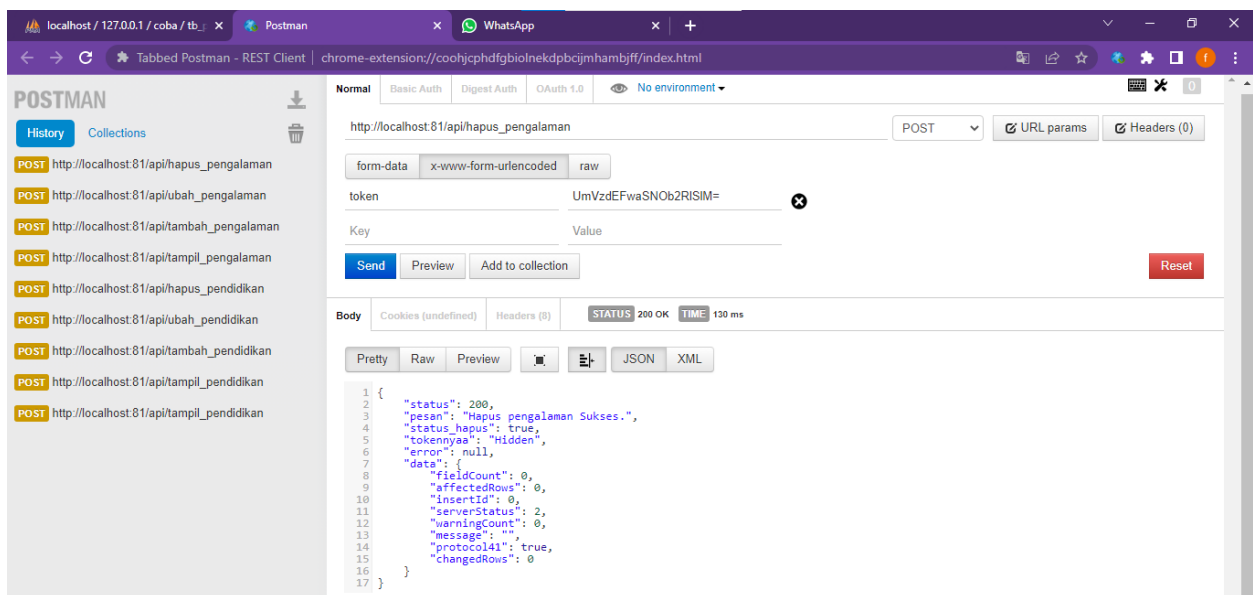
3. Ubah Pengalaman

```
app.post("/api/ubah_pengalaman", (req, res) => {  
  console.log("Ubah pengalaman");  
  let data = {  
    token: req.body.token,  
    kd_pengalaman : req.body.kd_pengalaman,  
    nama_instansi: req.body.nama_instansi,  
    jabatan_terakhir : req.body.jabatan_terakhir,  
    terakhir_bekerja : req.body.terakhir_bekerja,  
    jam_request: PublikFungsi.WaktuSekarang("DD-MM-YYYY HH:mm:ss") + " Wib.",  
  };  
  let sql;  
  let nama_tabel = 'tb_pengalaman_kerja';  
  let nama_field = 'kd_pengalaman,nama_instansi,jabatan_terakhir,terakhir_bekerja';  
  let value_field = '"" + data.kd_pengalaman + ',';'  
  value_field += '"" + data.nama_instansi + ',';'  
  value_field += '"" + data.jabatan_terakhir + ',';'  
  value_field += '"" + data.terakhir_bekerja + ',';'  
}
```



4. Hapus Pengalaman

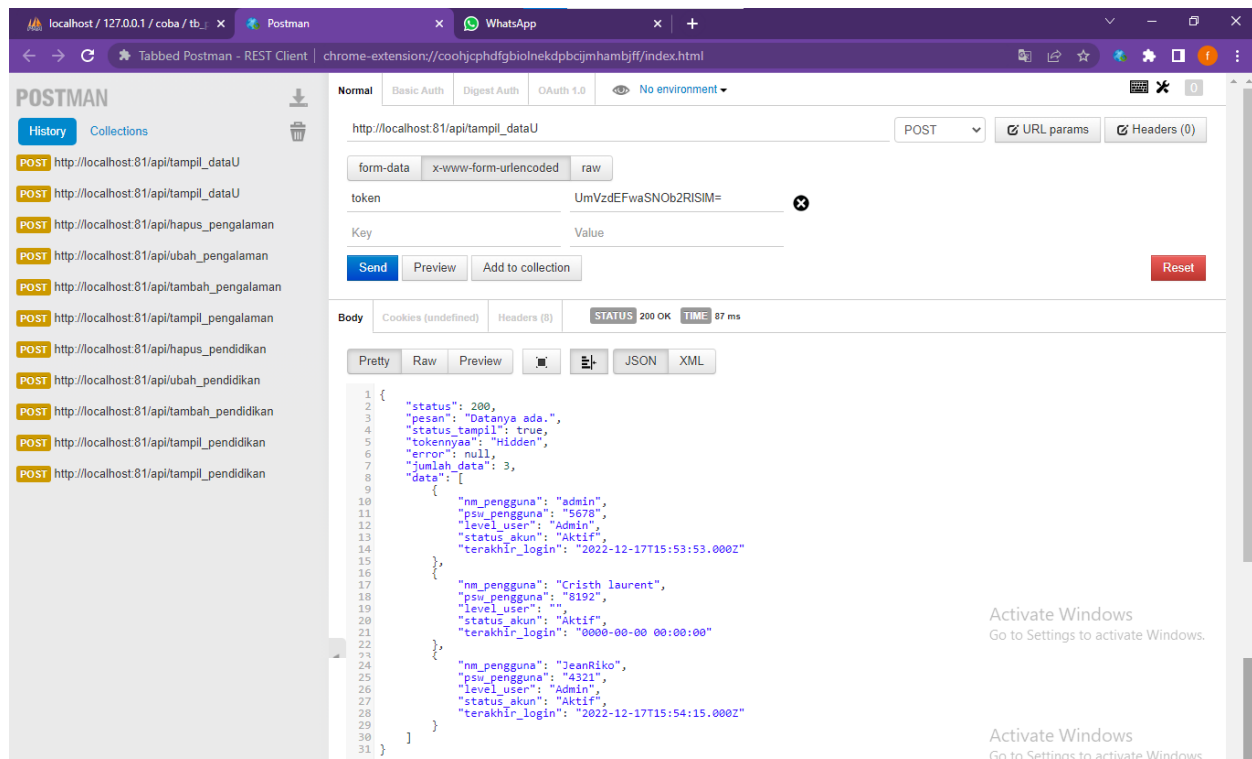
```
app.post("/api/hapus_pengalaman", (req, res) => {
  console.log("Hapus pengalaman");
  let data = {
    token: req.body.token,
    kd_pengalaman : req.body. kd_pengalaman,
    jam_request: PublikFungsi.WaktuSekarang("DD-MM-YYYY HH:mm:ss") + " Wib.",
  };
  let sql;
  let nama_tabel = 'tb_pengalaman_kerja';
  let kondisi = ' kd_pengalaman = "' + data. kd_pengalaman + '"';
```



- Tabel Pengguna

1. Tampil Pengguna

```
app.post("/api/tampil_dataU", (req, res) => {
  console.log("Tampil Data Pengguna Database");
  let data = {
    token: req.body.token,
    jam_request: PublikFungsi.WaktuSekarang("DD-MM-YYYY HH:mm:ss") + " Wib.",
  };
  let sql;
  let nama_tabel = 'tb_pengguna';
  let nama_field = '*';
  let kondisi = 'ORDER BY nm_pengguna ASC';
```

2. Tambah Pengguna

```

> app.post("/api/tambah_dataU", (req, res) => { ...
}); app.post("/api/tampil_dataU", (req, res) => {
  console.log("Tampil Data Pengguna Database");
  let data = {
    token: req.body.token,
    jam_request: PublikFungsi.WaktuSekarang("DD-MM-YYYY HH:mm:ss") + " Wib.",
  };
  let sql;
  let nama_tabel = 'tb_pengguna';
  let nama_field = '*';
  let kondisi = 'ORDER BY nm_pengguna ASC';

```

localhost / 127.0.0.1 / coba / tb... x Postman x WhatsApp x +

Tabbed Postman - REST Client | chrome-extension://coohjchphdfgbiolnekdpcbjmhambjff/index.html

POSTMAN

History Collections

- POST http://localhost:81/api/tambah_dataU
- POST http://localhost:81/api/tampil_dataU
- POST http://localhost:81/api/tampil_dataU
- POST http://localhost:81/api/tampil_dataU
- POST http://localhost:81/api/hapus_pengalaman
- POST http://localhost:81/api/ubah_pengalaman
- POST http://localhost:81/api/tambah_pengalaman
- POST http://localhost:81/api/tampil_pengalaman
- POST http://localhost:81/api/hapus_pendidikan
- POST http://localhost:81/api/ubah_pendidikan

Normal Basic Auth Digest Auth OAuth 1.0 No environment

http://localhost:81/api/tambah_dataU POST URL params Headers (0)

form-data x-www-form-urlencoded raw

token UmVzdEFwaSNOb2RISIM=

nm_pengguna chantriyana

psw_pengguna 9812

level_user manager

status_akun aktif

terakhir_login Value

Key Value

Send Preview Add to collection Reset

POST http://localhost:81/api/tambah_pengalaman

POST http://localhost:81/api/tampil_pengalaman

POST http://localhost:81/api/hapus_pendidikan

POST http://localhost:81/api/ubah_pendidikan

POST http://localhost:81/api/tambah_pendidikan

POST http://localhost:81/api/tampil_pendidikan













POST http://localhost:81/api/tampil_pendidikan

Body Cookies (undefined) Headers (8) STATUS 200 OK TIME 256 ms

Pretty Raw Preview JSON XML

```
1 {
2   "status": 200,
3   "pesan": "Tambah Data Sukses.",
4   "status_tambah": true,
5   "tokenyyaa": "Hidden",
6   "error": null,
7   "data": {
8     "fieldCount": 0,
9     "affectedRows": 1,
10    "insertId": 0,
11    "serverStatus": 2,
12    "warningCount": 2,
13    "message": "",
14    "protocol41": true,
15    "changedRows": 0
16  }
17 }
```

Activate Windows
Go to Settings to activate Windows.

<div>← T →</div>				nm_pengguna	psw_pengguna	level_user	status_akun	terakhir_login
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	JeanRiko	4321	Admin	Aktif	2022-12-17 22:54:15
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	chantriyana	9812		Aktif	0000-00-00 00:00:00
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	admin	5678	Admin	Aktif	2022-12-17 22:53:53
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	Cristh laurent	8192		Aktif	0000-00-00 00:00:00

3. Ubah Pengguna

```
app.post("/api/ubah_dataU", (req, res) => {
  console.log("Ubah Data Pengguna Database");
  let data = {
    token: req.body.token,
    nm_pengguna : req.body.nm_pengguna,
    psw_pengguna : req.body.psw_pengguna,
    level_user : req.body.level_user,
    status_akun : req.body.status_akun,
    terakhir_login : req.body.terakhir_login,
    jam_request: PublikFungsi.WaktuSekarang("DD-MM-YYYY HH:mm:ss") + " Wib.",
  };
  let sql;
  let nama_tabel = 'tb_pengguna';

  let nama_field = 'psw_pengguna = "' + data.psw_pengguna + '"';
  nama_field += 'level_user = "' + data.level_user + '"';
  nama_field += 'status_akun = "' + data.status_akun + '"';
  nama_field += 'terakhir_login = "' + data.terakhir_login + '"';

  let kondisi = 'nm_pengguna = "' + data.nm_pengguna + '"';
```

The screenshot shows the Postman interface with a POST request to `http://localhost:81/api/ubah_dataU`. The request body is in the 'form-data' tab, containing the following fields:

Key	Value
token	UmVzdEFwaSNOb2RISIM=
nm_pengguna	chantriyana
psw_pengguna	9812
level_user	manager
status_akun	aktif
terakhir_login	Value

The response is in the 'Body' tab, showing a 200 OK status with a response time of 194 ms. The response body is a JSON object:

```
{
  "status": 200,
  "pesan": "Ubah Data Sukses.",
  "status_ubah": true,
  "tokenyaa": "Hidden",
  "error": null,
  "data": {
    "fieldCount": 0,
    "affectedRows": 1,
    "insertId": 0,
    "serverStatus": 2,
    "warningCount": 2,
    "message": "(Rows matched: 1 Changed: 0 Warnings: 2",
    "protocol41": true,
    "changedRows": 0
  }
}
```

4. Hapus Pengguna

```
app.post("/api/hapus_dataU", (req, res) => {  
  console.log("Hapus Data Pengguna Database");  
  let data = {  
    token: req.body.token,  
    nm_pengguna : req.body.nm_pengguna,  
    jam_request: PublikFungsi.WaktuSekarang("DD-MM-YYYY HH:mm:ss") + " Wib.",  
  };  
  let sql;  
  let nama_tabel = 'tb_pengguna';  
  let kondisi = 'nm_pengguna = "' + data.nm_pengguna + '"';
```

The screenshot shows the Postman interface with a REST client. The URL is `http://localhost:81/api/hapus_dataU` and the method is `POST`. The request body is in `x-www-form-urlencoded` format with the following fields:

Key	Value
token	UmVzdEFwaSNOb2ZRSIM=
nm_pengguna	chantriyana
psw_pengguna	9812
level_user	manager
status_akun	aktif
terakhir_login	Value
Key	Value

The response is a JSON object with the following structure:

```
{  
  "status": 200,  
  "pesan": "Hapus Data Sukses.",  
  "status_hapus": true,  
  "tokenyyaa": "Hidden",  
  "error": null,  
  "data": {  
    "fieldCount": 0,  
    "affectedRows": 1,  
    "insertId": 0,  
    "serverStatus": 2,  
    "warningCount": 0,  
    "message": "",  
    "protocol41": true,  
    "changedRows": 0  
  }  
}
```