

# **LAPORAN PRAKTIKUM**

## **PEMROGRAMAN WEB D**



**SOFTWARE ENGINEERING  
LABORATORY**

NAMA : Nurfadillah Aprilia Putri

NIM : 202431126

KELAS : D

DOSEN : Muhammad Fadli Prathama, S.SI., M.MSI

NO.PC : 29

ASISTEN : 1. Sakura Amastasya Salsabila Setiyanto

2. Fhazel Kesra Arivi

3. Muhammad Farhan Fahrezy

4. Kashrina Masyid Azka

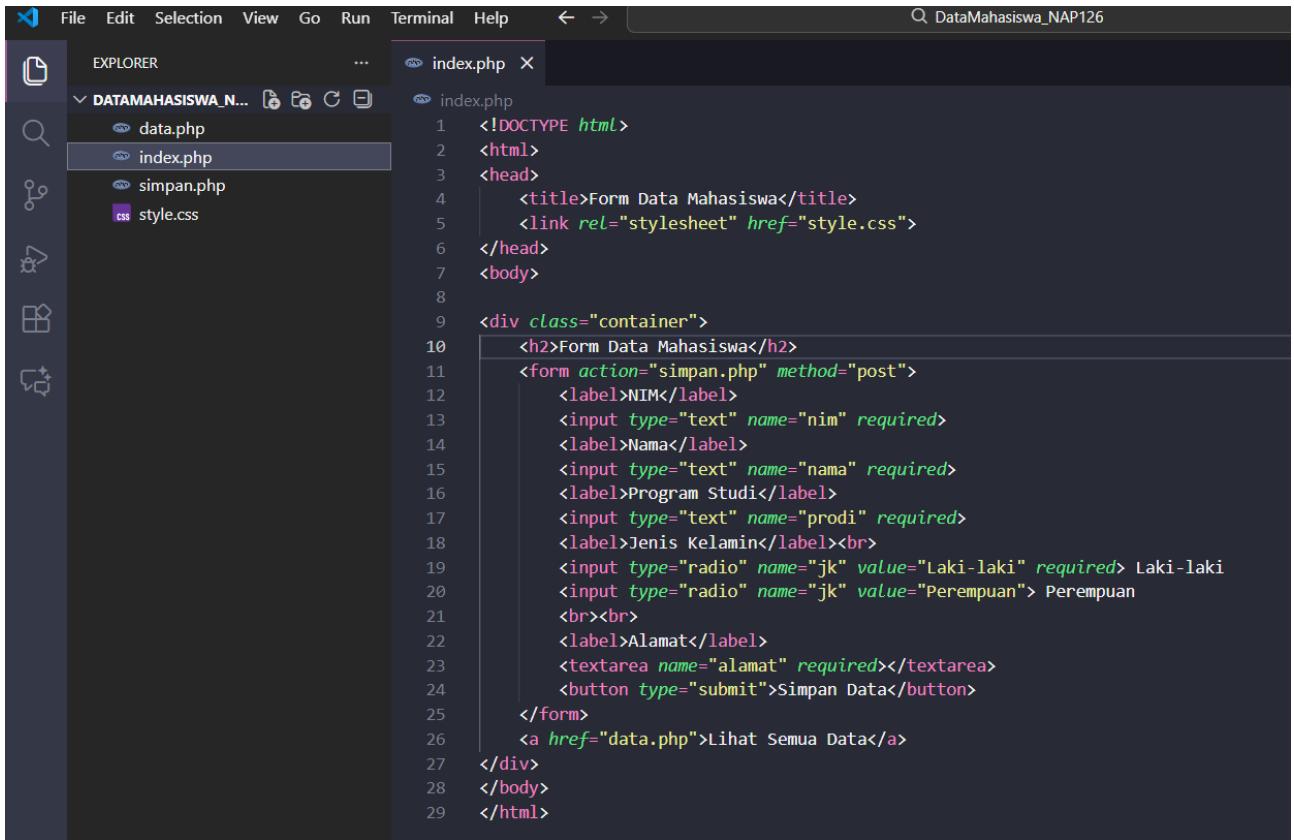
**INSTITUT TEKNOLOGI PLN**

**TEKNIK INFORMATIKA**

**2025**

## SCREENSHOT CODINGAN

### ❖ index.php

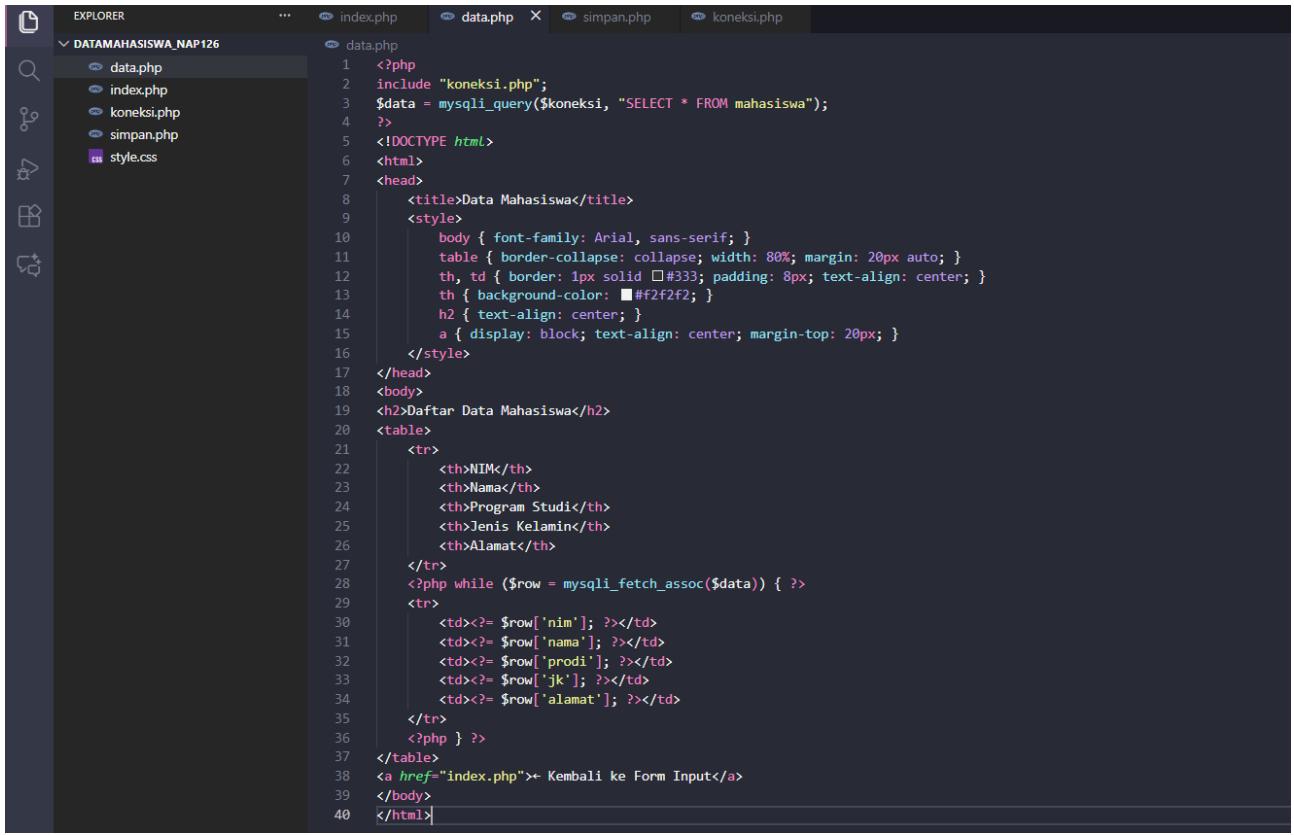


```

File Edit Selection View Go Run Terminal Help ⌘ ⌘ Q DataMahasiswa_NAP126
EXPLORER DATAMAHASISWA_NAP126 index.php
data.php index.php simpan.php style.css
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Form Data Mahasiswa</title>
5   <link rel="stylesheet" href="style.css">
6 </head>
7 <body>
8
9 <div class="container">
10   <h2>Form Data Mahasiswa</h2>
11   <form action="simpan.php" method="post">
12     <label>NIM</label>
13     <input type="text" name="nim" required>
14     <label>Nama</label>
15     <input type="text" name="nama" required>
16     <label>Program Studi</label>
17     <input type="text" name="prodi" required>
18     <label>Jenis Kelamin</label><br>
19     <input type="radio" name="jk" value="Laki-laki" required> Laki-laki
20     <input type="radio" name="jk" value="Perempuan"> Perempuan
21     <br><br>
22     <label>Alamat</label>
23     <textarea name="alamat" required></textarea>
24     <button type="submit">Simpan Data</button>
25   </form>
26   <a href="data.php">Lihat Semua Data</a>
27 </div>
28 </body>
29 </html>

```

### ❖ data.php

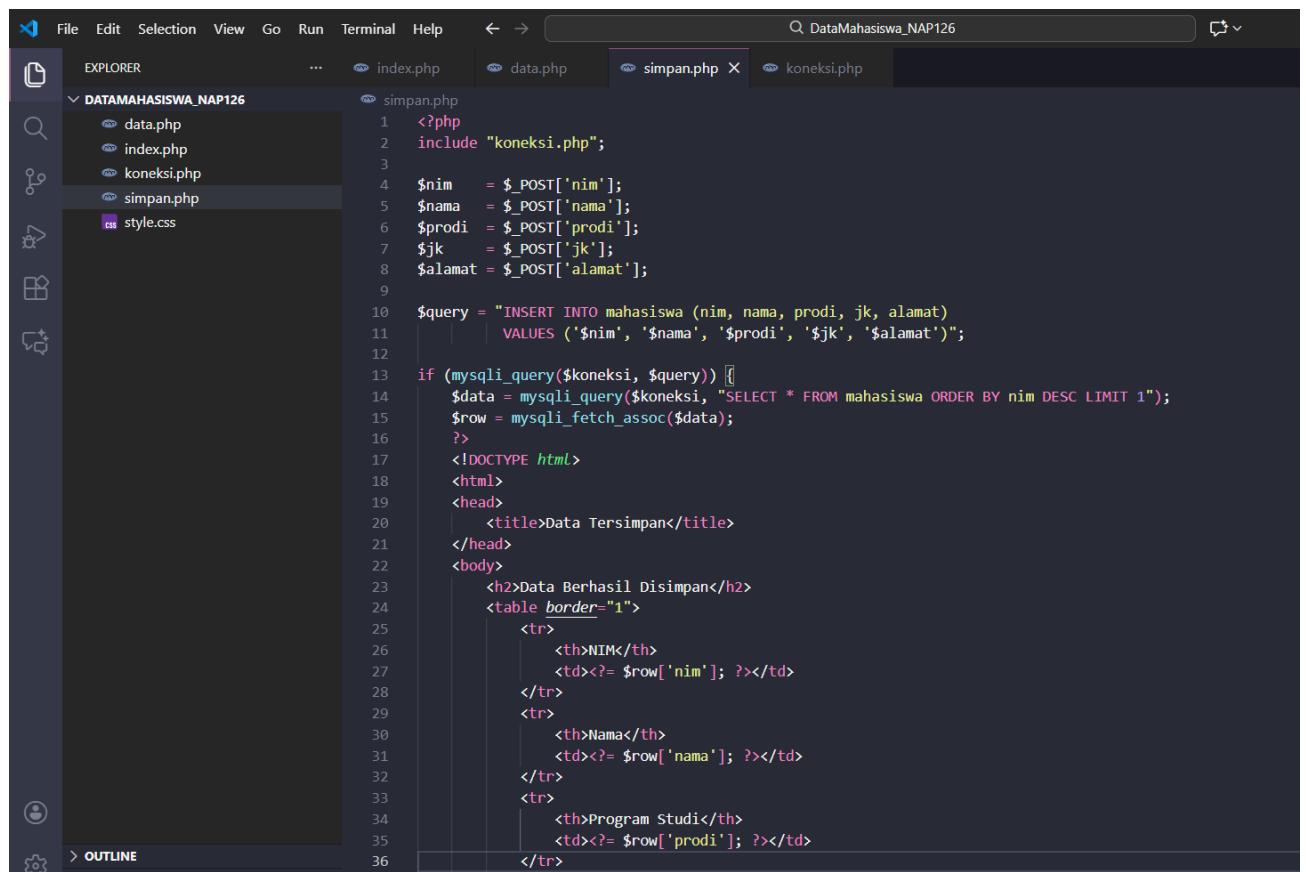


```

File Edit Selection View Go Run Terminal Help ⌘ ⌘ Q DataMahasiswa_NAP126
EXPLORER DATAMAHASISWA_NAP126 data.php index.php simpan.php koneksi.php
data.php index.php koneksi.php simpan.php style.css
1 <?php
2 include "koneksi.php";
3 $data = mysqli_query($koneksi, "SELECT * FROM mahasiswa");
4 ?>
5 <!DOCTYPE html>
6 <html>
7 <head>
8   <title>Data Mahasiswa</title>
9   <style>
10    body { font-family: Arial, sans-serif; }
11    table { border-collapse: collapse; width: 80%; margin: 20px auto; }
12    th, td { border: 1px solid #333; padding: 8px; text-align: center; }
13    th { background-color: #f2f2f2; }
14    h2 { text-align: center; }
15    a { display: block; text-align: center; margin-top: 20px; }
16   </style>
17 </head>
18 <body>
19 <h2>Daftar Data Mahasiswa</h2>
20 <table>
21   <tr>
22     <th>NIM</th>
23     <th>Nama</th>
24     <th>Program Studi</th>
25     <th>Jenis Kelamin</th>
26     <th>Alamat</th>
27   </tr>
28   <?php while ($row = mysqli_fetch_assoc($data)) { ?>
29   <tr>
30     <td><?= $row['nim']; ?></td>
31     <td><?= $row['nama']; ?></td>
32     <td><?= $row['prodi']; ?></td>
33     <td><?= $row['jk']; ?></td>
34     <td><?= $row['alamat']; ?></td>
35   </tr>
36   <?php } ?>
37 </table>
38 <a href="index.php"> Kembali ke Form Input</a>
39 </body>
40 </html>

```

### ❖ simpan.php



```

File Edit Selection View Go Run Terminal Help ← → Q DataMahasiswa_NAP126
EXPLORER index.php data.php simpan.php X koneksi.php
DATAMAHASISWA_NAP126
data.php
index.php
koneksi.php
simpan.php
style.css

simpan.php
1 <?php
2 include "koneksi.php";
3
4 $nim    = $_POST['nim'];
5 $nama   = $_POST['nama'];
6 $prodi  = $_POST['prodi'];
7 $jk     = $_POST['jk'];
8 $alamat = $_POST['alamat'];
9
10 $query = "INSERT INTO mahasiswa (nim, nama, prodi, jk, alamat)
11           VALUES ('$nim', '$nama', '$prodi', '$jk', '$alamat')";
12
13 if (mysqli_query($koneksi, $query)) {
14     $data = mysqli_query($koneksi, "SELECT * FROM mahasiswa ORDER BY nim DESC LIMIT 1");
15     $row = mysqli_fetch_assoc($data);
16 }
17 <!DOCTYPE html>
18 <html>
19 <head>
20   <title>Data Tersimpan</title>
21 </head>
22 <body>
23   <h2>Data Berhasil Disimpan</h2>
24   <table border="1">
25     <tr>
26       <th>NIM</th>
27       <td><?= $row['nim']; ?></td>
28     </tr>
29     <tr>
30       <th>Nama</th>
31       <td><?= $row['nama']; ?></td>
32     </tr>
33     <tr>
34       <th>Program Studi</th>
35       <td><?= $row['prodi']; ?></td>
36     </tr>

```

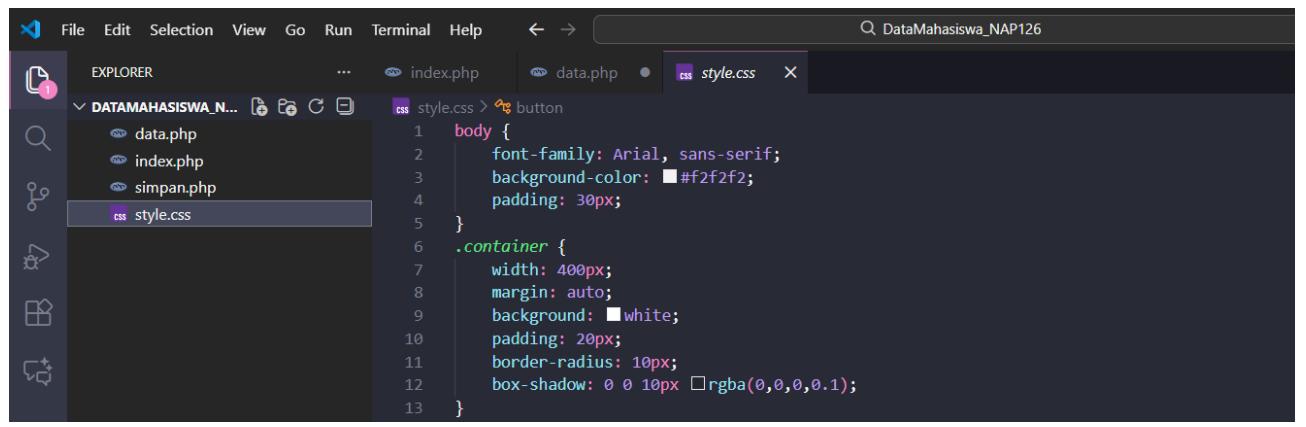


```

37   <tr>
38     <th>Jenis Kelamin</th>
39     <td><?= $row['jk']; ?></td>
40   </tr>
41   <tr>
42     <th>Alamat</th>
43     <td><?= $row['alamat']; ?></td>
44   </tr>
45   </table>
46   <br>
47   <a href="index.php">Input Data Lagi</a> |
48   <a href="data.php">Lihat Semua Data</a>
49 </body>
50 </html>
51 </?php
52 } else {
53 echo "Gagal menyimpan data: " . mysqli_error($koneksi);
54 }
55 ?>

```

### ❖ style.css



```

File Edit Selection View Go Run Terminal Help ← → Q DataMahasiswa_NAP126
EXPLORER index.php data.php style.css X
DATAMAHASISWA_N...
data.php
index.php
simpan.php
style.css

style.css
1 body {
2   font-family: Arial, sans-serif;
3   background-color: #f2f2f2;
4   padding: 30px;
5 }
6 .container {
7   width: 400px;
8   margin: auto;
9   background: white;
10  padding: 20px;
11  border-radius: 10px;
12  box-shadow: 0 0 10px rgba(0,0,0,0.1);
13 }

```

The screenshot shows a code editor interface with two identical CSS files named 'style.css' open. The left sidebar displays project files: index.php, data.php, simpan.php, and style.css. The right pane shows the CSS code.

```

    .css style.css > button
    47 } table th, table td {
    48     border: 1px solid #ddd;
    49     padding: 10px;
    50 }
    51 table th {
    52     background-color: #ff9bc1;
    53     color: white;
    54 }
    55 a {
    56     display: inline-block;
    57     margin-top: 15px;
    58     text-decoration: none;
    59     color: #ff9bc1;
    60     font-weight: bold;
    61 }
    62 }

    .css style.css > button
    12 }
    13 h2 {
    14     text-align: center;
    15 }
    16 label {
    17     font-weight: bold;
    18 }
    19 input[type="text"], textarea {
    20     width: 100%;
    21     padding: 8px;
    22     margin: 5px 0 15px;
    23     border-radius: 5px;
    24     border: 1px solid #ccc;
    25 }
    26 textarea {
    27     height: 80px;
    28 }
    29 button {
    30     width: 100%;
    31     padding: 10px;
    32     background-color: #ff9bc1;
    33     color: white;
    34     border: none;
    35     border-radius: 5px;
    36     font-size: 16px;
    37     cursor: pointer;
    38 }
    39 button:hover {
    40     background-color: #ff9bc1;
    41 }
    42 table {
    43     border-collapse: collapse;
    44     width: 100%;
    45 }
    46     background: white;
    47 }

```

### ❖ koneksi.php

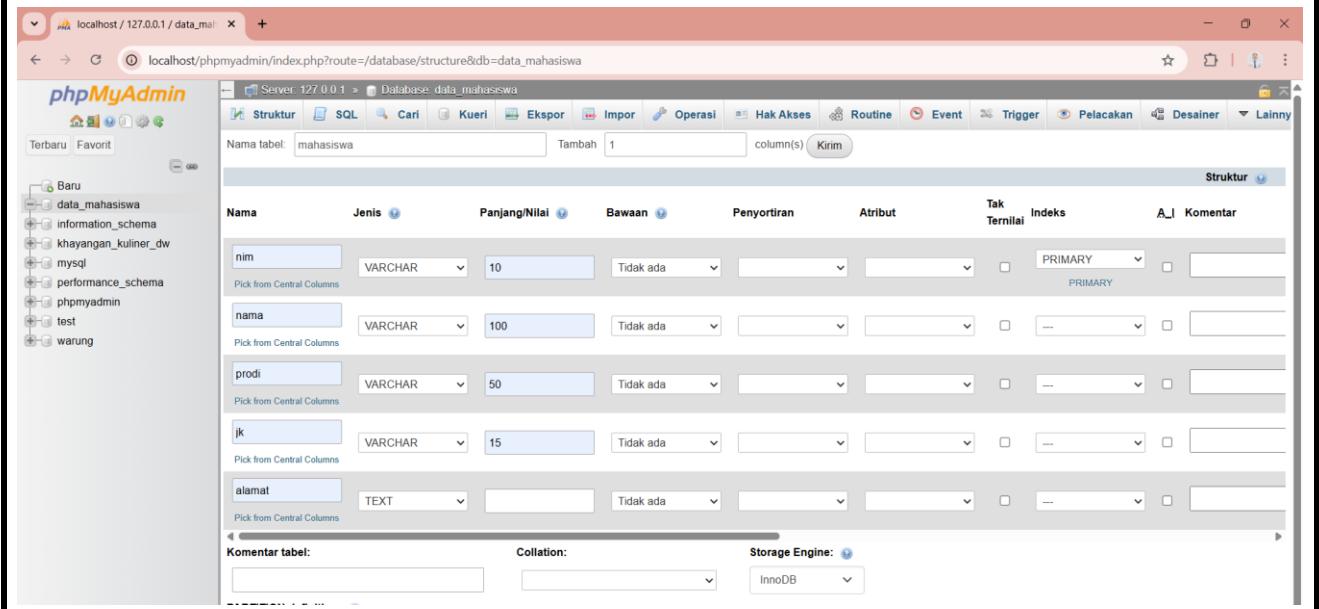
The screenshot shows a code editor interface with a single PHP file named 'koneksi.php' open. The left sidebar displays project files: index.php, data.php, simpan.php, and koneksi.php. The right pane shows the PHP code.

```

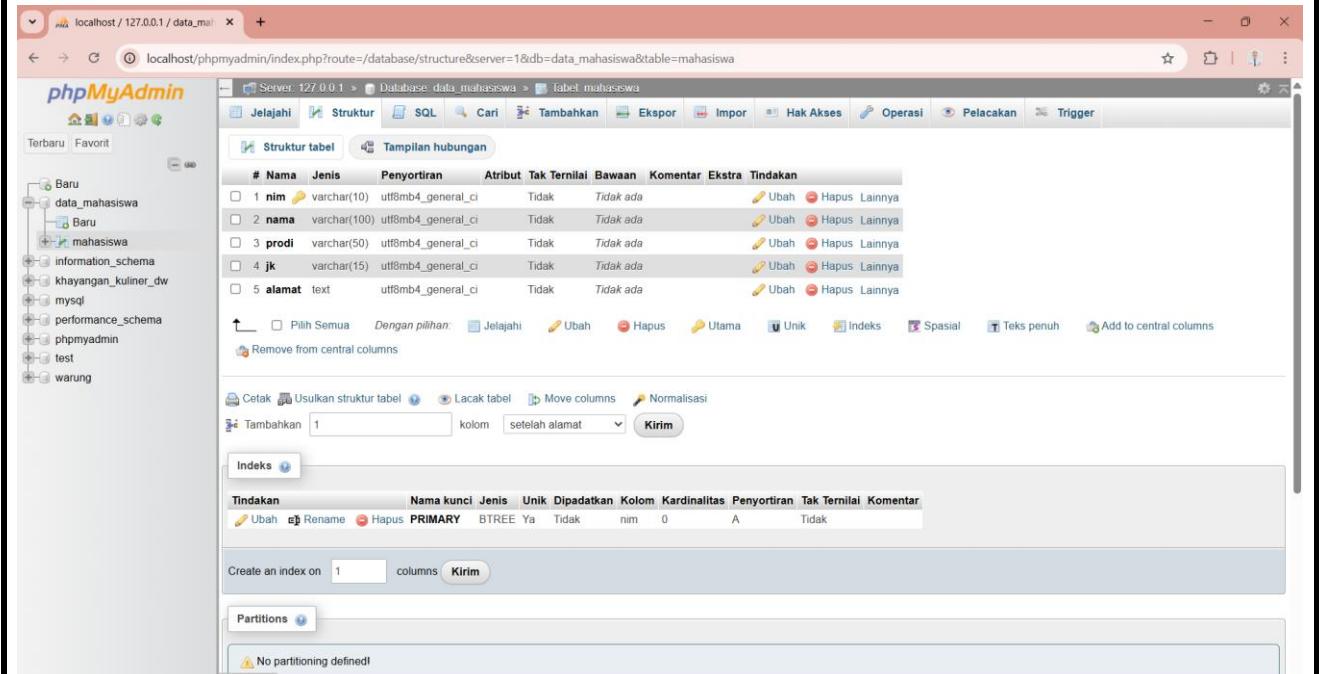
    .php koneksi.php
    1 <?php
    2 $host = "localhost";
    3 $user = "root";
    4 $pass = "";
    5 $db = "data_mahasiswa";
    6
    7 $koneksi = mysqli_connect($host, $user, $pass, $db);
    8
    9 if (!$koneksi) {
    10     die("Koneksi database gagal: " . mysqli_connect_error());
    11 }
    12 ?>

```

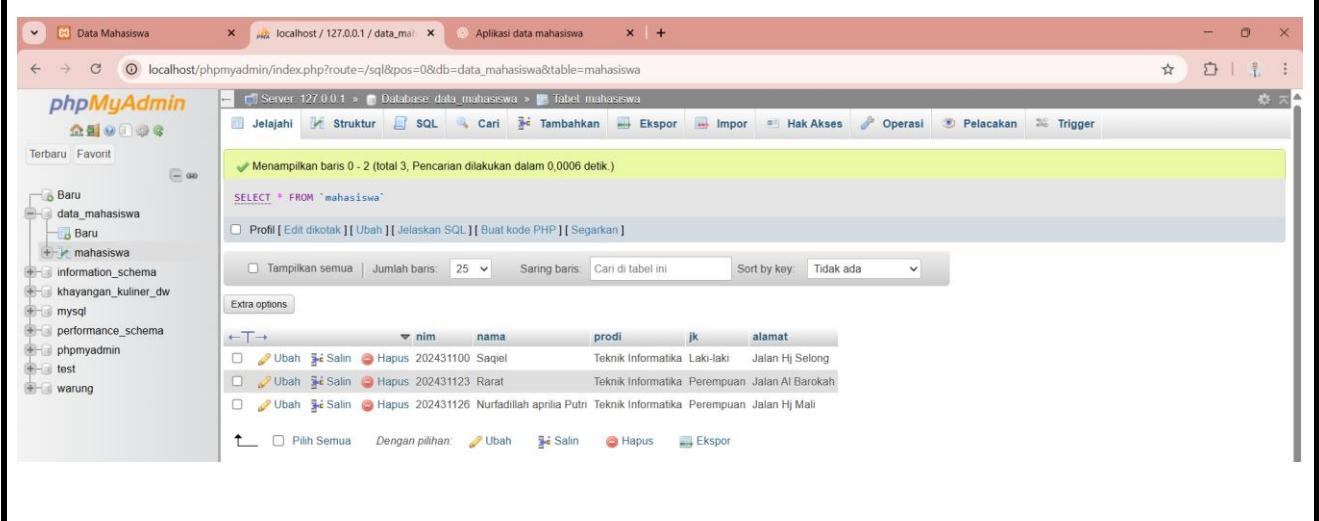
## SCREENSHOT DATABASE



The screenshot shows the 'Struktur' (Structure) tab for the 'mahasiswa' table. The table has five columns: 'nim' (VARCHAR(10), primary key), 'nama' (VARCHAR(100)), 'prodi' (VARCHAR(50)), 'jk' (VARCHAR(15)), and 'alamat' (TEXT). The storage engine is set to InnoDB.

The screenshot shows the 'Tampilan hubungan' (Relationship View) tab for the 'mahasiswa' table. It lists the columns with their data types and collations. The 'nim' column is defined as the primary key (PRIMARY).

The screenshot shows the results of a SELECT query on the 'mahasiswa' table. The results are:

	nim	nama	prodi	jk	alamat
1	202431100	Saqiel	Teknik Informatika	Laki-laki	Jalan Hj Selong
2	202431123	Raraf	Teknik Informatika	Perempuan	Jalan Al Barokah
3	202431126	Nurfadillah aprilia Putri	Teknik Informatika	Perempuan	Jalan Hj Mali

## SCREENSHOT WEBSITE

The screenshot shows a web browser window with the URL [localhost/DataMahasiswa\\_NAP126/](http://localhost/DataMahasiswa_NAP126/). The page title is "Form Data Mahasiswa". The form fields include:

- NIM:** 202431126
- Nama:** Nurfadillah aprilia Putri
- Program Studi:** Teknik Informatika
- Jenis Kelamin:** Perempuan (radio button selected)
- Alamat:** Jalan Hj Mali

At the bottom of the form are two buttons: "Simpan Data" (in pink) and "Lihat Semua Data".

The screenshot shows a web browser window with the URL [localhost/DataMahasiswa\\_NAP126/simpan.php](http://localhost/DataMahasiswa_NAP126/simpan.php). The title bar says "Data Tersimpan". The message "Data Berhasil Disimpan" is displayed prominently.

<b>NIM</b>	202431126
<b>Nama</b>	Nurfadillah aprilia Putri
<b>Program Studi</b>	Teknik Informatika
<b>Jenis Kelamin</b>	Perempuan
<b>Alamat</b>	Jalan Hj Mali

## Data Berhasil Disimpan

<b>NIM</b>	202431126
<b>Nama</b>	Nurfadillah aprilia Putri
<b>Program Studi</b>	Teknik Informatika
<b>Jenis Kelamin</b>	Perempuan
<b>Alamat</b>	Jalan Hj Mali

[Input Data Lagi](#) | [Lihat Semua Data](#)

The screenshot shows a web browser window with the URL [localhost/DataMahasiswa\\_NAP126/data.php](http://localhost/DataMahasiswa_NAP126/data.php). The title bar says "Data Mahasiswa". The page title is "Daftar Data Mahasiswa". The table displays the following data:

NIM	Nama	Program Studi	Jenis Kelamin	Alamat
202431100	Saqiel	Teknik Informatika	Laki-laki	Jalan Hj Selong
202431123	Rarat	Teknik Informatika	Perempuan	Jalan Al Barokah
202431126	Nurfadillah aprilia Putri	Teknik Informatika	Perempuan	Jalan Hj Mali

[← Kembali ke Form Input](#)