LAPORAN PRAKTIKUM-3
PEMROGRAMAN WEB

SOFTWARE ENGINEERING
LABORATORY

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KELAS   : **D**
DOSEN   : **Muhammad Fadli Prathama, S.SI., M.MSI**
No. PC   : **4**
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                2. Kashrina Masyid Azka
                3. Muhammad Farhan Fahrezy
                4. Sakura Amastasya Salsabila Setiyanto

FAKULTAS TELEMATIKA ENERGI
TEKNIK INFORMATIKA
INSTITUT TEKNOLOGI PLN – JAKARTA
2025

LAPORAN PRAKTIKUM-3

1. SQL Membuat Database dan Tabel, di phpMyAdmin / MySQL console:
- **Membuat database : db_mahasiswa**

- **Membuat tabel mahasiswa**

2. **Kode Lengkap Setiap File**
   a. **koneksi.php**
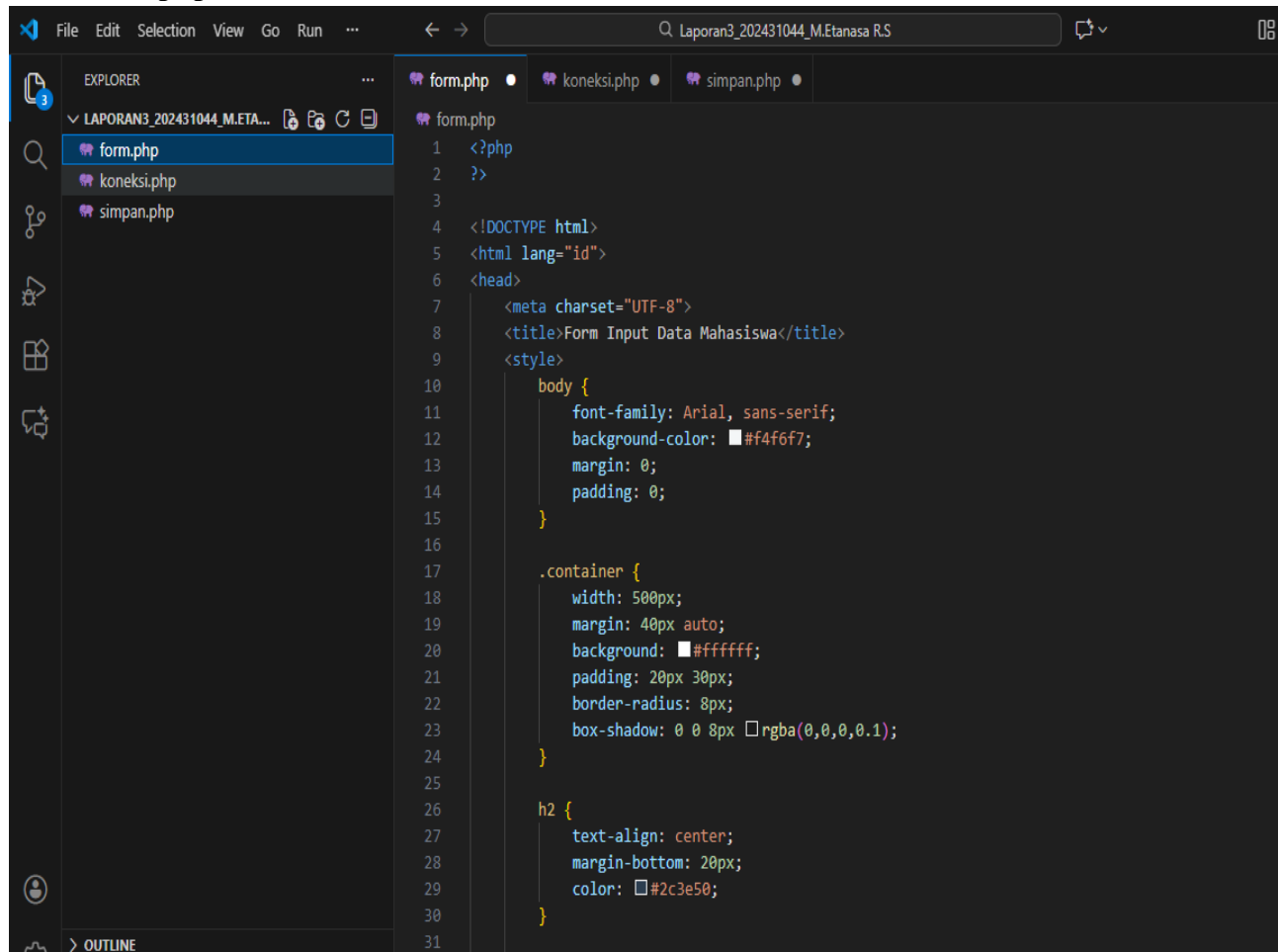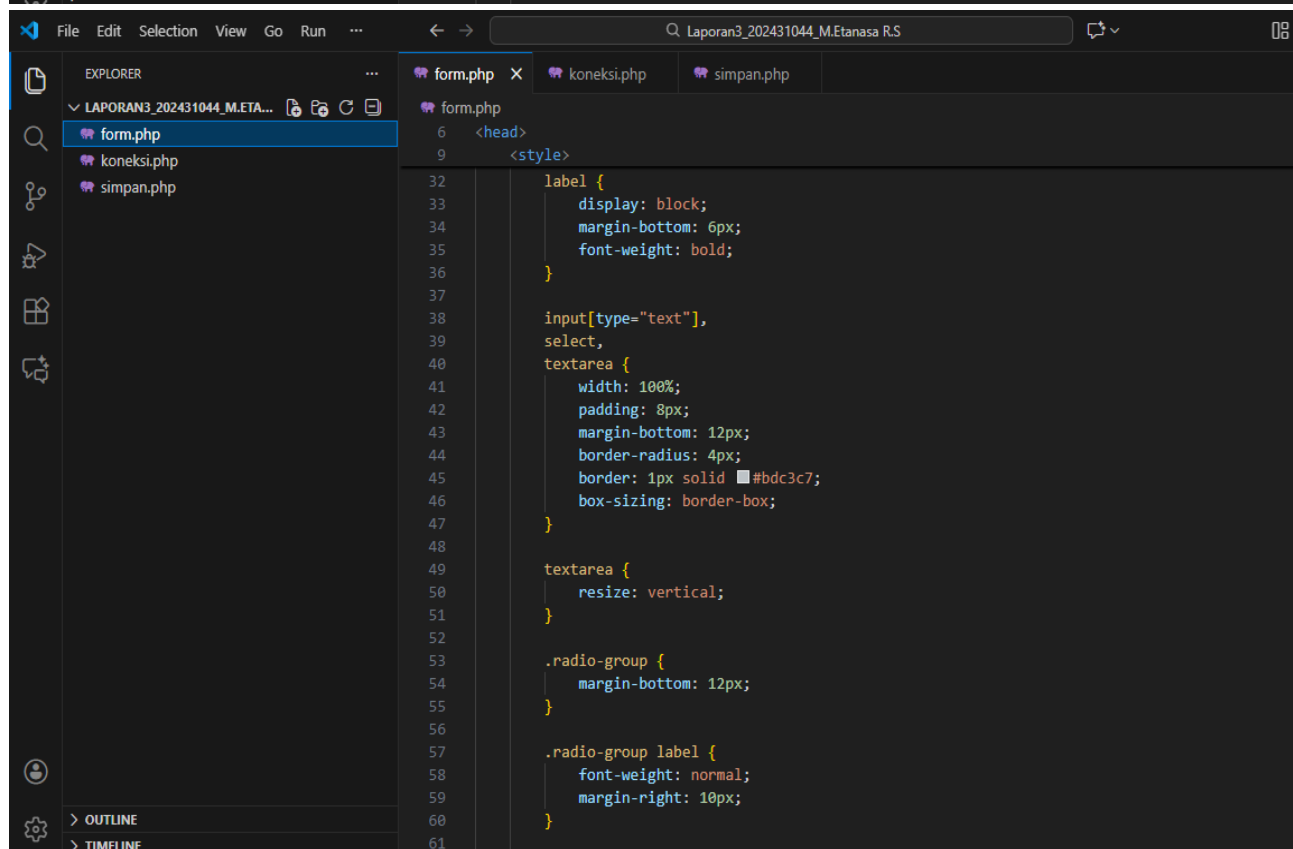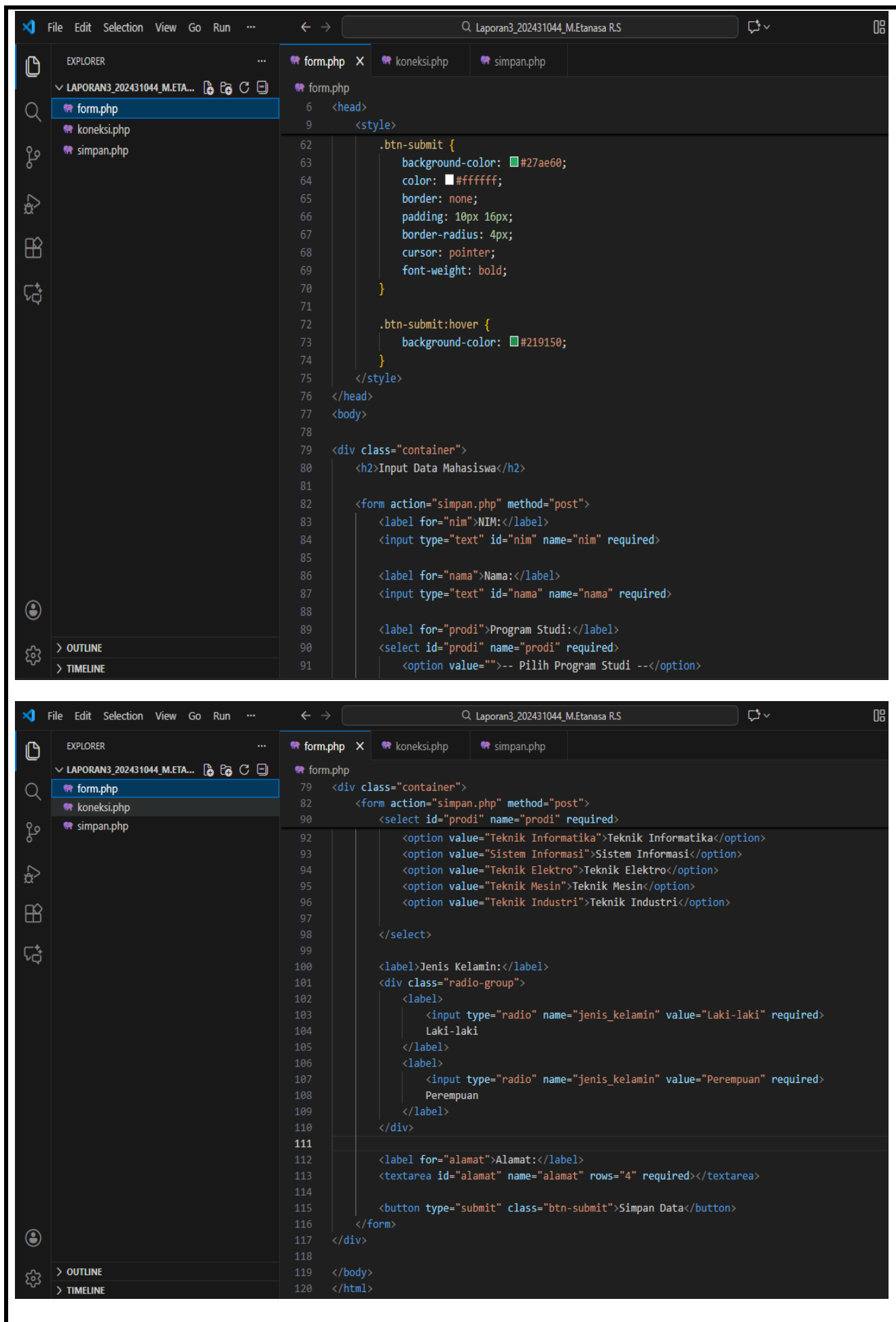
b. form.php

```php
<?php
?>

<!DOCTYPE html>
<html lang="id">
<head>
    <meta charset="UTF-8">
    <title>Form Input Data Mahasiswa</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f4f6f7;
            margin: 0;
            padding: 0;
        }

        .container {
            width: 500px;
            margin: 40px auto;
            background: #ffffff;
            padding: 20px 30px;
            border-radius: 8px;
            box-shadow: 0 0 8px rgba(0,0,0,0.1);
        }

        h2 {
            text-align: center;
            margin-bottom: 20px;
            color: #2c3e50;
        }
```

```php
<head>
    <style>
        label {
            display: block;
            margin-bottom: 6px;
            font-weight: bold;
        }

        input[type="text"],
        select,
        textarea {
            width: 100%;
            padding: 8px;
            margin-bottom: 12px;
            border-radius: 4px;
            border: 1px solid #bdc3c7;
            box-sizing: border-box;
        }

        textarea {
            resize: vertical;
        }

        .radio-group {
            margin-bottom: 12px;
        }

        .radio-group label {
            font-weight: normal;
            margin-right: 10px;
        }
```

```php
<head>
    <style>
            .btn-submit {
                background-color: #27ae60;
                color: #ffffff;
                border: none;
                padding: 10px 16px;
                border-radius: 4px;
                cursor: pointer;
                font-weight: bold;
            }

            .btn-submit:hover {
                background-color: #219150;
            }
    </style>
</head>
<body>

<div class="container">
    <h2>Input Data Mahasiswa</h2>

    <form action="simpan.php" method="post">
        <label for="nim">NIM:</label>
        <input type="text" id="nim" name="nim" required>

        <label for="nama">Nama:</label>
        <input type="text" id="nama" name="nama" required>

        <label for="prodi">Program Studi:</label>
        <select id="prodi" name="prodi" required>
            <option value="">-- Pilih Program Studi --</option>
```

```php
<div class="container">
    <form action="simpan.php" method="post">
        <select id="prodi" name="prodi" required>
            <option value="Teknik Informatika">Teknik Informatika</option>
            <option value="Sistem Informasi">Sistem Informasi</option>
            <option value="Teknik Elektro">Teknik Elektro</option>
            <option value="Teknik Mesin">Teknik Mesin</option>
            <option value="Teknik Industri">Teknik Industri</option>

        </select>

        <label>Jenis Kelamin:</label>
        <div class="radio-group">
            <label>
                <input type="radio" name="jenis_kelamin" value="Laki-laki" required>
                Laki-laki
            </label>
            <label>
                <input type="radio" name="jenis_kelamin" value="Perempuan" required>
                Perempuan
            </label>
        </div>

        <label for="alamat">Alamat:</label>
        <textarea id="alamat" name="alamat" rows="4" required></textarea>

        <button type="submit" class="btn-submit">Simpan Data</button>
    </form>
</div>

</body>
</html>
```

c. simpan.php

```php
<?php

include "koneksi.php";

if ($_SERVER['REQUEST_METHOD'] == 'POST') {

    $nim          = mysqli_real_escape_string($koneksi, $_POST['nim']);
    $nama         = mysqli_real_escape_string($koneksi, $_POST['nama']);
    $prodi        = mysqli_real_escape_string($koneksi, $_POST['prodi']);
    $jenis_kelamin = mysqli_real_escape_string($koneksi, $_POST['jenis_kelamin']);
    $alamat       = mysqli_real_escape_string($koneksi, $_POST['alamat']);

    $sql = "INSERT INTO mahasiswa (nim, nama, prodi, jenis_kelamin, alamat)
            VALUES ('$nim', '$nama', '$prodi', '$jenis_kelamin', '$alamat')";

    $result = mysqli_query($koneksi, $sql);

    if (!$result) {
        die("Gagal menyimpan data: " . mysqli_error($koneksi));
    }

    $data = [
        'id'          => mysqli_insert_id($koneksi) > 0 ? mysqli_insert_id($koneksi) : '-',
        'nim'         => $nim,
        'nama'        => $nama,
        'prodi'       => $prodi,
        'jenis_kelamin' => $jenis_kelamin,
        'alamat'      => $alamat
    ];

} else {
    header("Location: form.php");
```
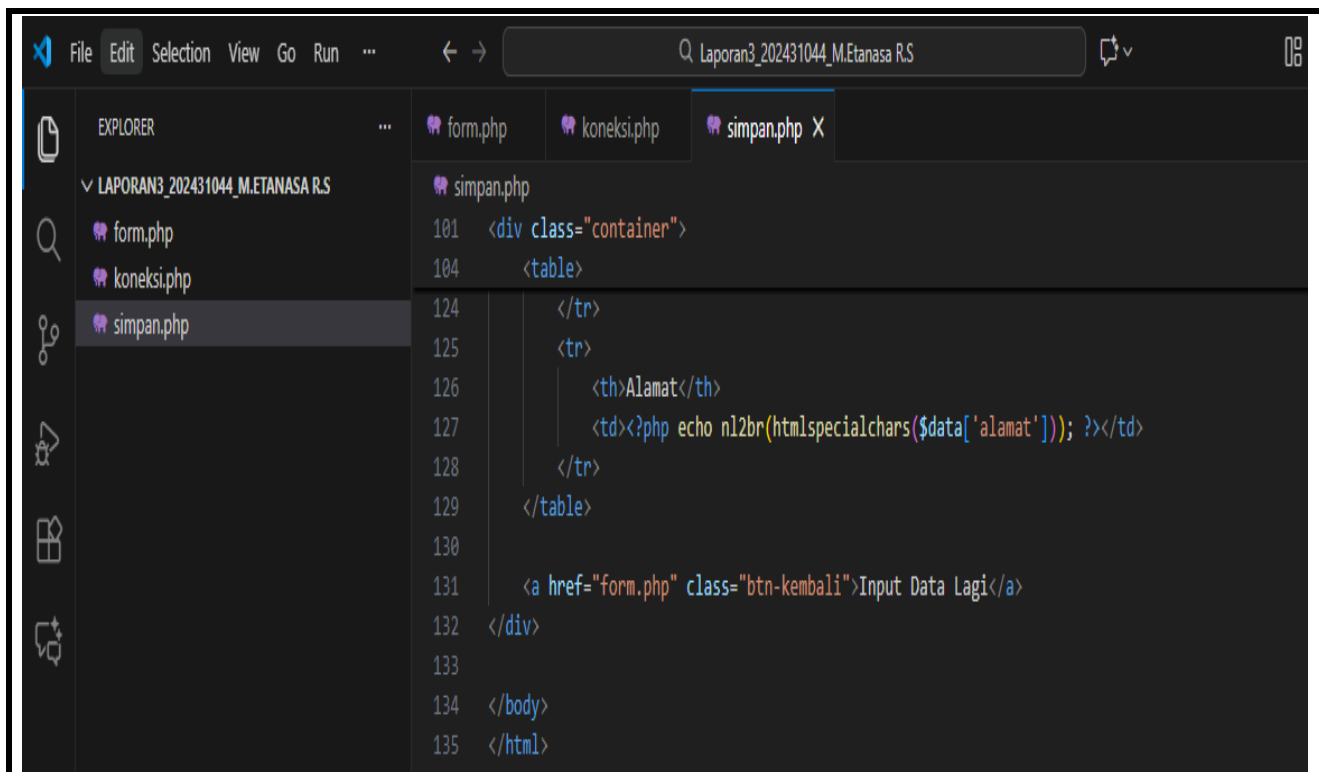
```php
} else {
    exit();
}
?>

<!DOCTYPE html>
<html lang="id">
<head>
    <meta charset="UTF-8">
    <title>Data Mahasiswa Tersimpan</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #ecf0f1;
            margin: 0;
            padding: 0;
        }

        .container {
            width: 600px;
            margin: 40px auto;
            background: #ffffff;
            padding: 20px 30px;
            border-radius: 8px;
            box-shadow: 0 0 8px rgba(0,0,0,0.1);
        }

        h2 {
            text-align: center;
            margin-bottom: 20px;
            color: #2c3e50;
        }
```

```
File  Edit  Selection  View  Go  Run  ...          ←  →          🔍 Laporan3_202431044_M.Etanasa R.S                    ⬚

EXPLORER                          ...     🐘 form.php      🐘 koneksi.php      🐘 simpan.php  ✕

∨ LAPORAN3_202431044_M.ETA...            🐘 simpan.php
   🐘 form.php                        39    <head>
   🐘 koneksi.php                     42       <style>
   🐘 simpan.php                      64
                                      65            table {
                                      66                width: 100%;
                                      67                border-collapse: collapse;
                                      68                margin-bottom: 20px;
                                      69            }
                                      70
                                      71            table th, table td {
                                      72                border: 1px solid ▪#bdc3c7;
                                      73                padding: 8px;
                                      74                text-align: left;
                                      75            }
                                      76
                                      77            table th {
                                      78                background-color: ▪#3498db;
                                      79                color: ▪#ffffff;
                                      80                width: 30%;
                                      81            }
                                      82
                                      83            .btn-kembali {
                                      84                background-color: ▪#e67e22;
                                      85                color: ▪#ffffff;
                                      86                border: none;
                                      87                padding: 10px 16px;
                                      88                border-radius: 4px;
                                      89                cursor: pointer;
                                      90                font-weight: bold;
                                      91                text-decoration: none;
                                      92            }
                                      93

> OUTLINE
> TIMELINE
```

```
File  Edit  Selection  View  Go  Run  ...          ←  →          🔍 Laporan3_202431044_M.Etanasa R.S                    ⬚

EXPLORER                          ...     🐘 form.php      🐘 koneksi.php      🐘 simpan.php  ✕

∨ LAPORAN3_202431044_M.ETANASA R.S       🐘 simpan.php
   🐘 form.php                        39    <head>
   🐘 koneksi.php                     42       <style>
   🐘 simpan.php                      94            .btn-kembali:hover {
                                      95                background-color: ▪#cf711b;
                                      96            }
                                      97       </style>
                                      98    </head>
                                      99    <body>
                                     100
                                     101    <div class="container">
                                     102        <h2>Data Mahasiswa Berhasil Disimpan</h2>
                                     103
                                     104        <table>
                                     105            <tr>
                                     106                <th>ID</th>
                                     107                <td><?php echo htmlspecialchars($data['id']); ?></td>
                                     108            </tr>
                                     109            <tr>
                                     110                <th>NIM</th>
                                     111                <td><?php echo htmlspecialchars($data['nim']); ?></td>
                                     112            </tr>
                                     113            <tr>
                                     114                <th>Nama</th>
                                     115                <td><?php echo htmlspecialchars($data['nama']); ?></td>
                                     116            </tr>
                                     117            <tr>
                                     118                <th>Program Studi</th>
                                     119                <td><?php echo htmlspecialchars($data['prodi']); ?></td>
                                     120            </tr>
                                     121            <tr>
                                     122                <th>Jenis Kelamin</th>
                                     123                <td><?php echo htmlspecialchars($data['jenis_kelamin']); ?></td>

> OUTLINE
> TIMELINE
```
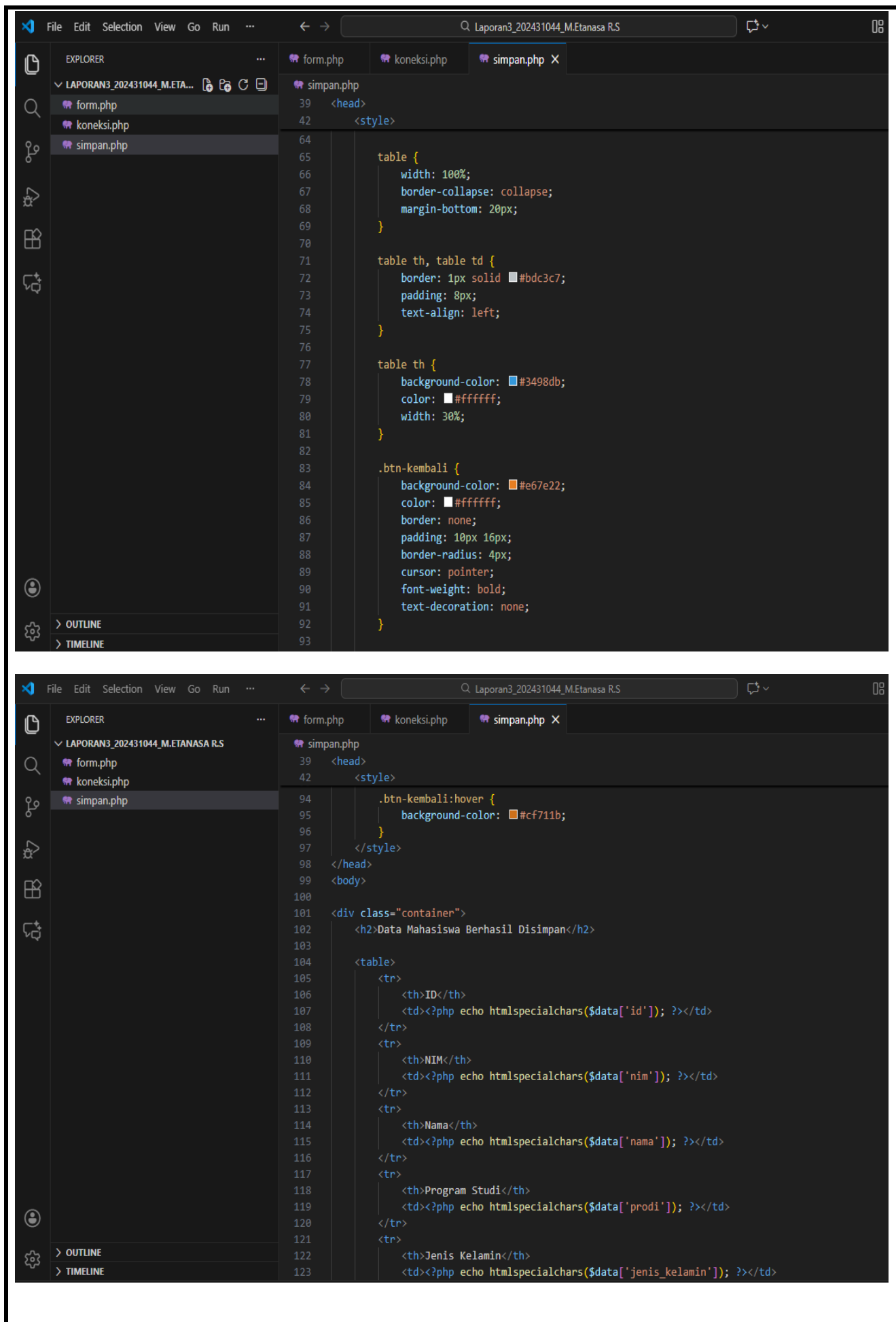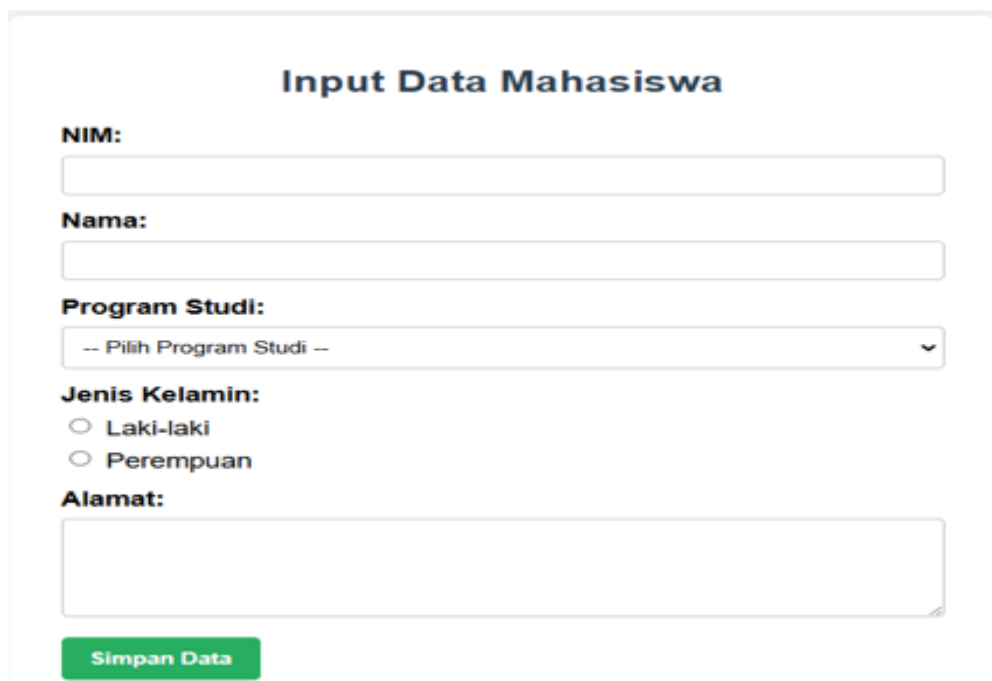
3. Xampp
  a. tampilan form

b. tampilan hasil simpan.

Data Mahasiswa Berhasil Disimpan

ID	-
NIM	202431044
Nama	Muhammad Etanasa Raihan Surya
Program Studi	Teknik Informatika
Jenis Kelamin	Laki-laki
Alamat	Jakarta

Input Data Lagi