

LAPORAN PRAKTIKUM

PEMROGRAMAN WEB D



SOFTWARE ENGINEERING
LABORATORY

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INSTITUT TEKNOLOGI PLN

TEKNIK INFORMATIKA

2025

LAPORAN PRAKTIKUM

From_mahasiswa.php

```
form_mahasiswa.php > ...
1  <?php
2  ?>
3  <!DOCTYPE html>
4  <html lang="id">
5  <head>
6      <meta charset="UTF-8">
7      <title>Form Input Data Mahasiswa</title>
8  </head>
9  <body>
10     <h2>Form Input Data Mahasiswa</h2>
11     <form action="simpan_mahasiswa.php" method="post">
12         <label>NIM</label><br>
13         <input type="text" name="nim" required><br><br>
14
15         <label>Nama</label><br>
16         <input type="text" name="nama" required><br><br>
17
18         <label>Program Studi</label><br>
19         <select name="prodi" required>
20             <option value="">-- Pilih Prodi --</option>
21             <option value="Informatika">Informatika</option>
22             <option value="Sistem Informasi">Sistem Informasi</option>
23             <option value="Teknik Komputer">Teknik Komputer</option>
24             <option value="Lainnya">Lainnya</option>
25         </select><br><br>
26
27         <label>Jenis Kelamin</label><br>
28         <input type="radio" name="jenis_kelamin" value="L" required> Laki-laki
29         <input type="radio" name="jenis_kelamin" value="P" required> Perempuan
30         <br><br>
31
32         <label>Alamat</label><br>
33         <textarea name="alamat" rows="4" cols="40"></textarea><br><br>
34
35         <button type="submit">Simpan</button>
36         <button type="reset">Reset</button>
37     </form>
38
39     <br>
40     <a href="tampil_mahasiswa.php">Lihat Data Mahasiswa</a>
41 </body>
42 </html>
```

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Koneksi.php

```
koneksi.php > ...
1  <?php
2
3  $host      = "localhost";
4  $user      = "root";
5  $password  = "";
6  $dbname    = "db_mahasiswa";
7
8  $koneksi = mysqli_connect(hostname: $host, username: $user, password: $password, database: $dbname);
9
10 if (!$koneksi) {
11     die("Koneksi gagal: " . mysqli_connect_error());
12 }
13 ?>
```

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Simpan_mahasiswa.php

```
simpan_mahasiswa.php > ...
1  <?php
2  include 'koneksi.php';
3
4  $nim      = isset($_POST['nim']) ? trim(string: $_POST['nim']) : '';
5  $nama     = isset($_POST['nama']) ? trim(string: $_POST['nama']) : '';
6  $prodi    = isset($_POST['prodi']) ? trim(string: $_POST['prodi']) : '';
7  $jenis_kelamin = isset($_POST['jenis_kelamin']) ? $_POST['jenis_kelamin'] : '';
8  $alamat   = isset($_POST['alamat']) ? trim(string: $_POST['alamat']) : '';
9
10 if ($nim == '' || $nama == '' || $prodi == '' || $jenis_kelamin == '') {
11     echo "Semua field (kecuali alamat) wajib diisi. <br>";
12     echo "<a href='form_mahasiswa.php'>Kembali ke Form</a>";
13     exit;
14 }
15
16 $nim      = mysqli_real_escape_string(mysql: $koneksi, string: $nim);
17 $nama     = mysqli_real_escape_string(mysql: $koneksi, string: $nama);
18 $prodi    = mysqli_real_escape_string(mysql: $koneksi, string: $prodi);
19 $jenis_kelamin = mysqli_real_escape_string(mysql: $koneksi, string: $jenis_kelamin);
20 $alamat   = mysqli_real_escape_string(mysql: $koneksi, string: $alamat);
21
22 $sql = "INSERT INTO mahasiswa (nim, nama, prodi, jenis_kelamin, alamat)
23     VALUES ('$nim', '$nama', '$prodi', '$jenis_kelamin', '$alamat')";
24
25 if (mysqli_query(mysql: $koneksi, query: $sql)) {
26     echo "Data berhasil disimpan.<br>";
27     echo "<a href='tampil_mahasiswa.php'>Lihat Data Mahasiswa</a><br>";
28     echo "<a href='form_mahasiswa.php'>Input Lagi</a>";
29 } else {
30     echo "Error: " . $sql . "<br>" . mysqli_error(mysql: $koneksi);
31     echo "<br><a href='form_mahasiswa.php'>Kembali ke Form</a>";
32 }
33
34 mysqli_close(mysql: $koneksi);
35 ?>
```

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Tampil_mahasiswa

```

tampil_mahasiswa.php > html > body > table
1  <?php
2  include 'koneksi.php';
3  $sql  = "SELECT * FROM mahasiswa ORDER BY nim";
4  $query = mysqli_query(mysql: $koneksi, query: $sql);
5  ?>
6  <!DOCTYPE html>
7  <html lang="id">
8  <head>
9      <meta charset="UTF-8">
10     <title>Data Mahasiswa</title>
11 </head>
12 <body>
13     <h2>Data Mahasiswa</h2>
14     <table border="1" cellpadding="8" cellspacing="0">
15     <tr>
16         <th>No</th>
17         <th>NIM</th>
18         <th>Nama</th>
19         <th>Program Studi</th>
20         <th>Jenis Kelamin</th>
21         <th>Alamat</th>
22     </tr>
23     <?php
24         $no = 1;
25         if (mysqli_num_rows(result: $query) > 0) {
26             while ($row = mysqli_fetch_assoc(result: $query)) {
27                 echo "<tr>";
28                 echo "<td>".$no++."</td>";
29                 echo "<td>".$row['NIM']."</td>";
30                 echo "<td>".$row['Nama']."</td>";
31                 echo "<td>".$row['Prodi']."</td>";
32                 echo "<td>".$row['jenis_kelamin']."</td>";
33                 echo "<td>".$row['Alamat']."</td>";
34                 echo "</tr>";
35             }
36         } else {
37             echo "<tr><td colspan='6'>Belum ada data.</td></tr>";
38         }
39     ?>
40 </table>
41 <br>
42 <a href="form_mahasiswa.php">Kembali ke Form Input</a>
43 </body>
44 </html>
45 <?php
46 mysqli_close(mysql: $koneksi);
47 ?>

```

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database

Recent Favorites

New db

db_mahasiswa

New db_mahasiswa

db_penjualan

information_schema

mysql

performance_schema

phpmyadmin

test

localhost / 127.0.0.1 / db_mahasiswa

Server: 127.0.0.1 > Database: db_mahasiswa > Table: mahasiswa

localhost/phpmyadmin/index.php?route=/table/structure&db=db_mahasiswa&table=mahasiswa

BrowseStructureSQLSearchInsertExportImportPrivilegesOperationsTriggers

Table structureRelation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	NIM	varchar(15)	utf8mb4_general_ci		No	None			ChangeDropMore
2	Nama	varchar(50)	utf8mb4_general_ci		No	None			ChangeDropMore
3	Prodi	varchar(50)	utf8mb4_general_ci		No	None			ChangeDropMore
4	jenis_kelamin	enum('L', 'P')	utf8mb4_general_ci		No	None			ChangeDropMore
5	Alamat	text	utf8mb4_general_ci		Yes	NULL			ChangeDropMore

☐ Check all

With selected:

BrowseChangeDropPrimaryUniqueIndexSpatialFulltext

PrintPropose table structureMove columnsNormalize

Add 1 column(s) after Alamat Go

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
EditRenameDrop	PRIMARY	BTREE	Yes	No	NIM	3	A	No	

Create an index on 1 columns Go

Partitions

No partitioning defined!

Console

Rabu, 03 Desember 2025

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localhost / 127.0.0.1 / db_mahasiswa

Server: 127.0.0.1 > Database: db_mahasiswa > Table: mahasiswa

localhost/phpmyadmin/index.php?route=/sql&db=db_mahasiswa&table=mahasiswa&pos=0

BrowseStructureSQLSearchInsertExportImportPrivilegesOperationsTriggers

Showing rows 0 - 2 (3 total, Query took 0.0004 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 | Sort by key: None

Extra options

	NIM	Nama	Prodi	jenis_kelamin	Alamat
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	16198498	Abdillah Gesta Fahrezi	Sistem Informasi	L	xaxX
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	202431110	Abdillah Gesta Fahrezi	Informatika	L	indonesia
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	216156	Abdillah Gesta Fahrezi	Informatika	L	gsgrshs

☐ Check all

With selected:

EditCopyDeleteExport

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

Query results operations

PrintCopy to clipboardExportDisplay chartCreate view

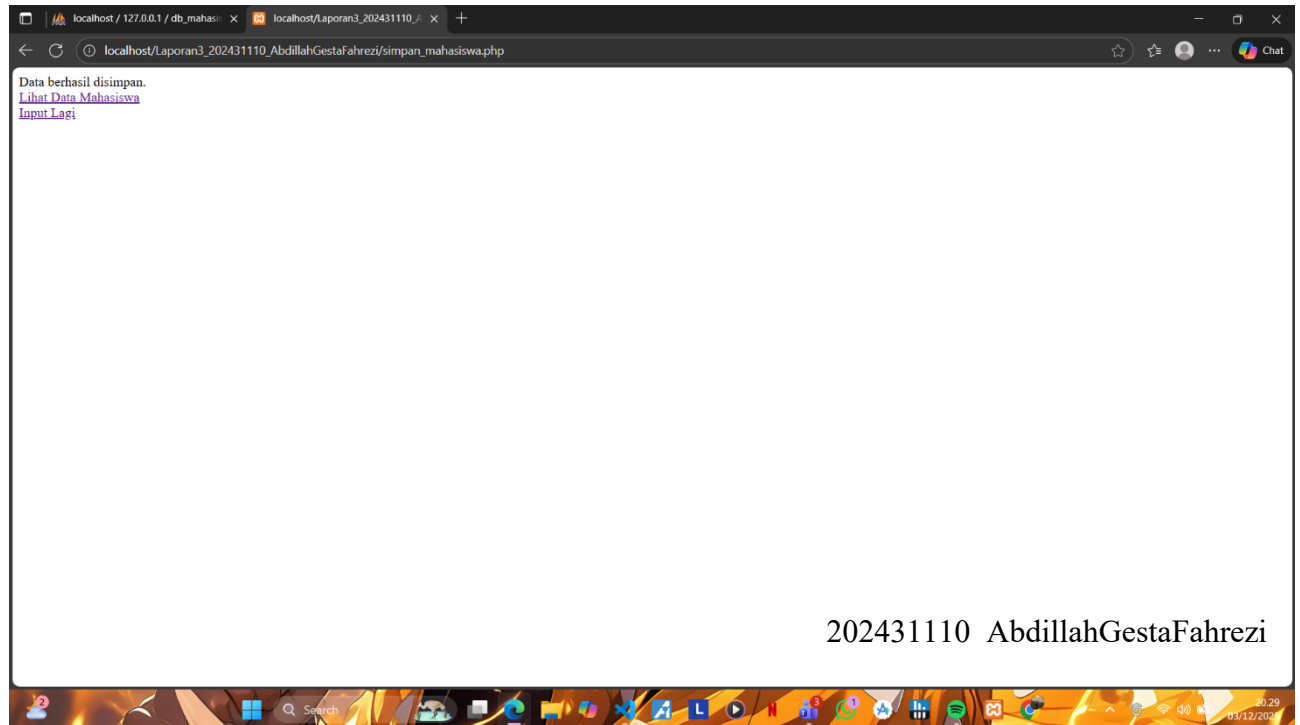
Console

2025

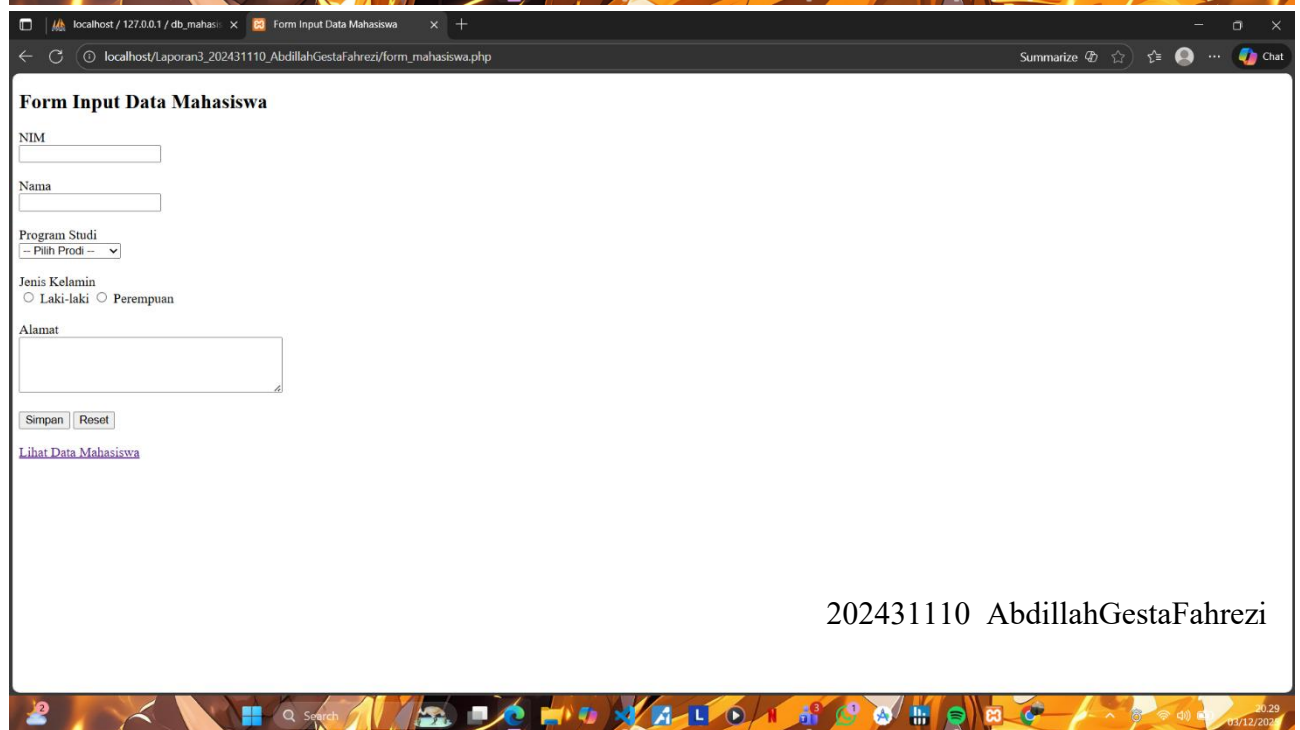
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Outputnya

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The screenshot shows a web browser window with the address bar displaying 'localhost / 127.0.0.1 / db_mahasiswa' and the page title 'Data Mahasiswa'. The main content area displays a table with the following data:

No	NIM	Nama	Program Studi	Jenis Kelamin	Alamat
1	16198498	Abdillah Gesta Fahrezi	Sistem Informasi	L	xaxX
2	202431110	Abdillah Gesta Fahrezi	Informatika	L	indonesia
3	20243111111111	Abdillah Gesta Fahrezi	Teknik Komputer	L	mars
4	216156	Abdillah Gesta Fahrezi	Informatika	L	gsgrshs

Below the table, there is a link labeled 'Kembali ke Form Input'.

The bottom of the image shows a Windows taskbar with various application icons, including the Start button, Search, and several open applications. The system clock in the bottom right corner indicates the time is 20:29 on 03/12/2023.