

**LAPORAN PRAKTIKUM 5**  
**MANIPULASI DATA PHP MYSQL**



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**PROGRAM STUDI D3 TEKNIK INFORMATIKA**

**POLITEKNIK PURBAYA**

**2024/2025**

Index of /p5\_manipulasi\_data

Name	Last modified	Size	Description
Parent Directory	-		
baca_data.php	2025-11-18 22:27	3.6K	
edit_data.php	2025-11-18 22:09	4.1K	
hapus_data.php	2025-11-18 22:09	933	
koneksi.php	2025-11-18 22:09	462	
tambah_data.php	2025-11-18 22:09	2.6K	

Apache/2.4.58 (Win64) OpenSSL/3.1.3 PHP/8.2.12 Server at localhost Port 80



## 1. tambah\_data.php

### INPUT

```

C:\xampp\htdocs\p5_manipulasi_data\tambah_data.php (p5_manipulasi_data) - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
FOLDERS
p5_manipulasi_data
baca_data.php
edit_data.php
hapus_data.php
koneksi.php
tambah_data.php

1 <?php include 'koneksi.php'; ?>
2 <!DOCTYPE html>
3 <html lang="id">
4 <head>
5   <meta charset="UTF-8">
6   <title>Tambah Data</title>
7   <style>
8     body { font-family: sans-serif; }
9     .form-container { width: 450px; margin: 50px auto; border: 1px solid #000080; padding: 20px;
10       background-color: #F0F0FF; }
11     h2 { color: #000080; border-bottom: 2px solid #000080; padding-bottom: 5px; }
12     table { width: 100%; }
13     table td { padding: 8px 5px; }
14     input[type="text"] { width: calc(100% - 10px); padding: 4px; box-sizing: border-box; border: 1px
15       solid #7F9DB9; }
16     input[type="submit"], input[type="reset"] { padding: 5px 15px; margin-right: 10px; border: 1px solid
17       #000000; background-color: #E0E0E0; cursor: pointer; }
18   </style>
19 </head>
20 <body>
21   <div class="form-container">
22     <h2>Tambah Data</h2>
23     <form action="" method="post">
24       <table>
25         <tr>
26           <td width="30%"><label for="nim">NIM</label></td>
27           <td><input type="text" id="nim" name="nim" required></td>
28         </tr>
29         <tr>
30           <td><label for="nama">Nama</label></td>
31           <td><input type="text" id="nama" name="nama" required></td>
32         </tr>
33         <tr>
34           <td colspan="2" style="text-align: center; padding-top: 10px;">
35             <input type="submit" value="Simpan" />
36             <input type="reset" value="Reset" />
37           </td>
38         </tr>
39       </table>
40     </form>
41   </div>
42 </body>
43 </html>

```

```

p5_manipulasi_data
  baca_data.php
  edit_data.php
  hapus_data.php
  koneksi.php
  tambah_data.php

29      <td><input type="text" id="nama" name="nama"></td>
30    </tr>
31    <tr>
32      <td><label for="alamat">Alamat</label></td>
33      <td><input type="text" id="alamat" name="alamat"></td>
34    </tr>
35    <tr>
36      <td></td>
37      <td>
38        <input type="submit" name="submit" value="Submit">
39        <input type="reset" value="Cancel">
40      </td>
41    </tr>
42  </table>
43  <p>Ket: * Harus diisi</p>
44  </form>
45</div>
46
47<?php
48 $table = "tambah_data";
49
50 if (isset($_POST['submit'])) {
51
52   $nim = $koneksi->real_escape_string($_POST['nim']);
53   $nama = $koneksi->real_escape_string($_POST['nama']);
54   $alamat = $koneksi->real_escape_string($_POST['alamat']);
55
56   if (!empty($nim)) {
57     $sql = "INSERT INTO $table (nim, nama, alamat) VALUES (?, ?, ?)";
58
59     $stmt = $koneksi->prepare($sql);
60     $stmt->bind_param("sss", $nim, $nama, $alamat);
61
62     if ($stmt->execute()) {
63       echo "<script>alert('Data NIM: $nim Berhasil Disimpan!');  
window.location.href='baca_data.php';</script>";
64     } else {
65       echo "<script>alert('Error: Data Gagal Disimpan! " . $stmt->error . "');</script>";
66     }
67     $stmt->close();
68   } else {
69     echo "<script>alert('NIM harus diisi!');</script>";
70   }
71 }
72 $koneksi->close();
73 ?>
74 </body>
75 </html>

```

Line 1, Column 1      Spaces: 4      PHP      6:46 PM  
11/29/2025

## OUTPUT

Materi Praktikum 5 | Perancangan-web-2/ at main · Tambah Data | Google Gemini

localhost/p5\_manipulasi\_data/tambah\_data.php

Tambah Data

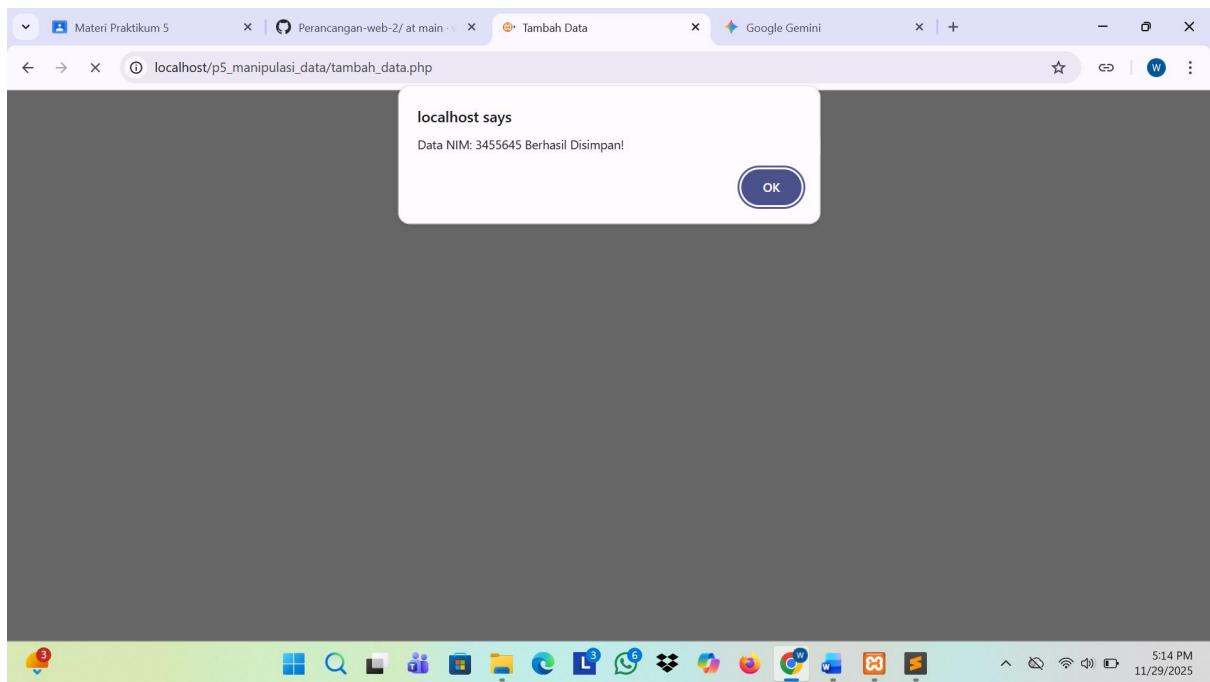
NIM\*

Nama

Alamat

Ket: \* Harus diisi





## 2. koneksi.php

### INPUT

A screenshot of a Sublime Text editor window. The title bar says 'C:\xampp\htdocs\p5\_manipulasi\_data (p5\_manipulasi\_data) - Sublime Text (UNREGISTERED)'. The file path in the title bar is 'C:\xampp\htdocs\p5\_manipulasi\_data\koneksi.php'. The left sidebar shows a folder structure with 'p5\_manipulasi\_data' containing 'baca\_data.php', 'edit\_data.php', 'hapus\_data.php', 'koneksi.php', and 'tambah\_data.php'. The main editor area contains the following PHP code:

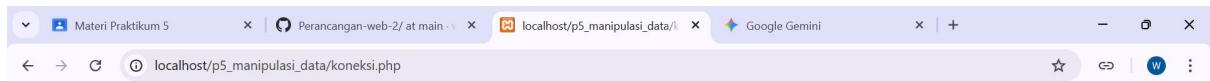
```
<?php
// Pengaturan Koneksi Database
$server = "localhost";
$user = "root"; // GANTI dengan username database Anda
$pass = ""; // GANTI dengan password database Anda
$database = "db_p5";

// Membuat Koneksi menggunakan mysqli
$koneksi = new mysqli($server, $user, $pass, $database);

// Cek Koneksi
if ($koneksi->connect_error) {
    die("Koneksi gagal: " . $koneksi->connect_error);
}
// Variabel $koneksi siap digunakan.
?>
```

The status bar at the bottom indicates 'Line 16, Column 3', 'Spaces: 4', 'PHP', '6:49 PM', and '11/29/2025'.

### OUTPUT



### 3. edit\_data.php

#### INPUT

```
C:\xampp\htdocs\p5_manipulasi_data\edit_data.php (p5_manipulasi_data) - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
FOLDERS
  p5_manipulasi_data
    baca_data.php
    edit_data.php
    hapus_data.php
    koneksi.php
    tambah_data.php
edit_data.php
1 <?php
2 include 'koneksi.php';
3
4 $table = "tambah_data";
5 $nim_lama = '';
6 $nama_lama = '';
7 $alamat_lama = '';
8 $pesan_status = '';
9
10 // --- BAGIAN 1: Mengambil Data Lama ---
11 if (isset($_GET['nim'])) {
12     $nim_yang_diedit = $koneksi->real_escape_string($_GET['nim']);
13
14     $sql_select = "SELECT nim, nama, alamat FROM $table WHERE nim = ?";
15
16     $stmt_select = $koneksi->prepare($sql_select);
17     $stmt_select->bind_param("s", $nim_yang_diedit);
18     $stmt_select->execute();
19     $result = $stmt_select->get_result();
20
21     if ($result->num_rows > 0) {
22         $data = $result->fetch_assoc();
23         $nim_lama = $data['nim'];
24         $nama_lama = $data['nama'];
25         $alamat_lama = $data['alamat'];
26     } else {
27         $pesan_status = "<p style='color: red;'>Error: Data tidak ditemukan!</p>";
28     }
29     $stmt_select->close();
30 }
31
32 
```

```

p5_manipulasi_data
  baca_data.php
  edit_data.php
  hapus_data.php
  koneksi.php
  tambah_data.php

33 // --- BAGIAN 2: Memproses UPDATE Data ---
34 if (isset($_POST['submit_edit'])) {
35
36     $nim_baru = $koneksi->real_escape_string($_POST['nim_baru']);
37     $nama_baru = $koneksi->real_escape_string($_POST['nama_baru']);
38     $alamat_baru = $koneksi->real_escape_string($_POST['alamat_baru']);
39     $nim_acuan = $koneksi->real_escape_string($_POST['nim_acuan']); // NIM lama
40
41     $sql_update = "UPDATE $table SET nama = ?, alamat = ? WHERE nim = ?";
42
43     $stmt_update = $koneksi->prepare($sql_update);
44     $stmt_update->bind_param("sss", $nama_baru, $alamat_baru, $nim_acuan);
45
46     if ($stmt_update->execute()) {
47         $pesan_status = "<p style='color: green;'>✓ Data NIM $nim_acuan Berhasil Diperbarui!</p>";
48         // Update variabel lama agar form langsung menampilkan data baru
49         $nama_lama = $nama_baru;
50         $alamat_lama = $alamat_baru;
51     } else {
52         $pesan_status = "<p style='color: red;'>✗ Error saat memperbarui data: " . $stmt_update->error . "</p>";
53     }
54
55     $stmt_update->close();
56 }
$koneksi->close();
?>
<!DOCTYPE html>
<html lang="id">
<head>
    <meta charset="UTF-8">

```

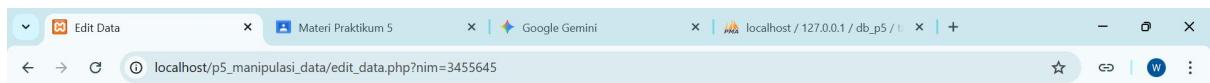
```

  baca_data.php
  edit_data.php
  hapus_data.php
  koneksi.php
  tambah_data.php

63 <title>Edit Data</title>
64 <style>
65     body { font-family: sans-serif; }
66     .form-container { width: 450px; margin: 50px auto; border: 1px solid #000080; padding: 20px;
67     background-color: #F0F0F0; }
68     h2 { color: #000080; border-bottom: 2px solid #000080; padding-bottom: 5px; }
69     table td { padding: 8px 5px; }
70     input[type="text"] { width: calc(100% - 10px); padding: 4px; box-sizing: border-box; border: 1px
71     solid #F9D9B9; }
72     input[type="submit"], input[type="button"] { padding: 5px 15px; margin-right: 10px; border: 1px
73     solid #000000; background-color: #E0E0E0; cursor: pointer; }
74 </style>
75 </head>
76 <body>
77 <div class="form-container">
78     <h2>Edit Data</h2>
79
80     <?php echo $pesan_status; // Tampilkan pesan status ?>
81
82     <form action="" method="post">
83         <table>
84             <tr>
85                 <td width="30%"><label for="nim_baru">NIM*</label></td>
86                 <td>
87                     <input type="text" id="nim_baru" name="nim_baru" value="<?php echo htmlspecialchars($
88                     nim_lama); ?>" readonly>
89                     <input type="hidden" name="nim_acuan" value="<?php echo htmlspecialchars($nim_lama); ?>
90                 </td>
91             </tr>
92             <tr>
93                 <td><label for="nama_baru">Nama</label></td>
94                 <td>
95                     <input type="text" id="nama_baru" name="nama_baru" value="<?php echo htmlspecialchars($
96                     nama_lama); ?>">
97                 </td>
98             </tr>
99             <tr>
100                <td><label for="alamat_baru">Alamat</label></td>
101                <td>
102                    <input type="text" id="alamat_baru" name="alamat_baru" value="<?php echo
103                     htmlspecialchars($alamat_lama); ?>">
104                </td>
105                <td>
106                    <input type="submit" name="submit_edit" value="Submit">
107                    <input type="button" value="Cancel" onclick="window.history.back()">
108                </td>
109            </tr>
110        </table>
111        <p>Keti: * Harus diisi</p>
112    </form>
113 </div>
114 </body>
115 </html>

```

## OUTPUT



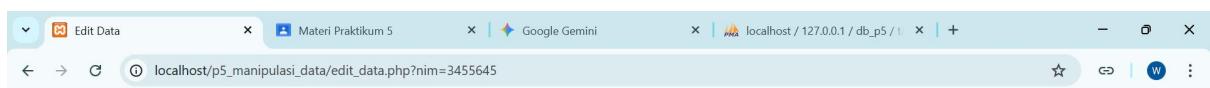
### Edit Data

NIM\*

Nama

Alamat

Ket: \* Harus diisi



### Edit Data

✓ Data NIM 3455645 Berhasil Diperbarui!

NIM\*

Nama

Alamat

Ket: \* Harus diisi



4. baca\_data.php

## INPUT

C:\xampp\htdocs\p5\_manipulasi\_data\baca\_data.php (p5\_manipulasi\_data) - Sublime Text (UNREGISTERED)

```
File Edit Selection Find View Goto Tools Project Preferences Help
```

FOLDERS

- p5\_manipulasi\_data
  - baca\_data.php
  - edit\_data.php
  - hapus\_data.php
  - koneksi.php
  - tambah\_data.php

baca\_data.php

```
1 <?php include 'koneksi.php'; ?>
2 <!DOCTYPE html>
3 <html lang="id">
4 <head>
5   <meta charset="UTF-8">
6   <title>Daftar Data Mahasiswa</title>
7   <style>
8     body { font-family: sans-serif; margin: 20px; }
9     h2 { color: #000080; }
10    table { width: 80%; border-collapse: collapse; margin-top: 20px; }
11    table, th, td { border: 1px solid #ccc; }
12    th, td { padding: 10px; text-align: left; }
13    th { background-color: #f2f2f2; }
14    .aksi a { text-decoration: none; padding: 3px 8px; border-radius: 3px; margin-right: 5px; }
15    .edit { background-color: #4CAF50; color: white; }
16    .hapus { background-color: #F44336; color: white; }
17    .tambah { text-decoration: none; background-color: #007bff; color: white; padding: 8px 15px; border-radius: 5px; }
18  </style>
19 </head>
20 <body>
21
22 <?php
23 // --- Bagian Logika Tampilan Pesan Status ---
24 if (isset($_GET['status'])) {
25   $status = htmlspecialchars(urldecode($_GET['status']));
26
27   // Tentukan warna berdasarkan isi pesan
28   $warna = (strpos($status, 'Error') !== false || strpos($status, 'Gagal') !== false) ? 'red' : 'green';
29   $background = ($warna == 'red') ? '#fdd' : '#d4edda';
30 }
```

p5\_manipulasi\_data

- baca\_data.php
- edit\_data.php
- hapus\_data.php
- koneksi.php
- tambah\_data.php

```
31 // Tampilkan pesan
32 echo "<div style='padding: 10px; margin-bottom: 15px; border: 1px solid $warna; background-color: $background;'>$status</div>";
33
34 // --- SOLUSI: Bersihkan parameter status dari URL menggunakan JavaScript ---
35 // Ini mencegah pesan error muncul lagi saat halaman di-refresh.
36 echo "<script>";
37 echo "if (window.history.replaceState) {";
38 echo "  let url = new URL(window.location.href);";
39 echo "  url.searchParams.delete('status');";
40 echo "  window.history.replaceState({}, document.title, url.toString());";
41 echo "}";
42 echo "</script>";
43 }
44 ?>
45
46 <h2>Daftar Data Mahasiswa</h2>
47 <a href="tambah_data.php" class="tambah">+ Tambah Data Baru</a>
48
49 <table>
50   <thead>
51     <tr>
52       <th>No.</th>
53       <th>NIM</th>
54       <th>Nama</th>
55       <th>Alamat</th>
56       <th>Aksi</th>
57     </tr>
58   </thead>
59   <tbody>
60     <?php
```

p5\_manipulasi\_data

- baca\_data.php
- edit\_data.php
- hapus\_data.php
- koneksi.php
- tambah\_data.php

```
61   $table = "tambah_data";
62   $no = 1;
63
64   // Query untuk mengambil semua data
65   $sql = "SELECT nim, nama, alamat FROM $table ORDER BY nim ASC";
66   $result = $koneksi->query($sql);
67
68   if ($result->num_rows > 0) {
69     while($row = $result->fetch_assoc()) {
70       echo "<tr>";
71       echo "  <td>" . $row["nim"] . "</td>";
72       echo "  <td>" . $row["nama"] . "</td>";
73       echo "  <td>" . $row["alamat"] . "</td>";
74       echo "</tr>";
75     }
76   }
77 }
```

```

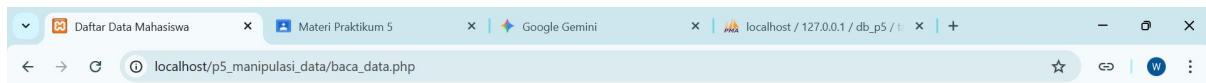
p5_manipulasi_data
├── baca_data.php
├── edit_data.php
└── hapus_data.php
    └── koneksi.php
    └── tambah_data.php

71     echo "<td>" . $no++ . "</td>";
72     echo "<td>" . htmlspecialchars($row["nim"]) . "</td>";
73     echo "<td>" . htmlspecialchars($row["nama"]) . "</td>";
74     echo "<td>" . htmlspecialchars($row["alamat"]) . "</td>";
75     echo "<td class='aksi'>"; 
76
77     // Link Edit (mengirim NIM)
78     echo "<a href='edit_data.php?nim=" . htmlspecialchars($row["nim"]) . "' class='edit'>Edit</a>"; 
79
80     // Link Hapus (mengirim NIM dengan konfirmasi)
81     echo "<a href='hapus_data.php?nim=" . htmlspecialchars($row["nim"]) . "' class='hapus' onclick=\"return confirm('Apakah Anda yakin ingin menghapus data NIM " .
82         htmlspecialchars($row["nim"]) . "?');\">Hapus</a>"; 
83
84     echo "</td>";
85     echo "</tr>";
86 } else {
87     echo "<tr><td colspan='5'>Tidak ada data mahasiswa ditemukan.</td></tr>";
88 }
89
90 // Tutup koneksi di akhir skrip
91 $koneksi->close();
92 ?>
93 </tbody>
94 </table>
95 </body>
96 </html>
97

```

Line 1, Column 1      Spaces: 4      PHP      7:03 PM      11/29/2025

## OUTPUT



### Daftar Data Mahasiswa

No.	NIM	Nama	Alamat	Aksi
1	1234567	Nuraeni	Balapulang	<a href="#">Edit</a> <a href="#">Hapus</a>
2	3455645	Putri Amelia	Karangdawa	<a href="#">Edit</a> <a href="#">Hapus</a>
3	5674356	Ria Anashwa	Batuagung	<a href="#">Edit</a> <a href="#">Hapus</a>
4	6547654	Akbar Satrio	Cibunar	<a href="#">Edit</a> <a href="#">Hapus</a>
5	8905432	Muhammad Fikri	Sesepan	<a href="#">Edit</a> <a href="#">Hapus</a>



### 5. hapus\_data.php

## INPUT

C:\xampp\htdocs\p5\_manipulasi\_data\hapus\_data.php (p5\_manipulasi\_data) - Sublime Text (UNREGISTERED)

```

File Edit Selection Find View Goto Tools Project Preferences Help
FOLDERS
p5_manipulasi_data
  baca_data.php
  edit_data.php
  hapus_data.php
  koneksi.php
  tambah_data.php
  hapus_data.php
1 <?php
2 include 'koneksi.php';
3
4 $table = "tambah_data";
5
6 if (isset($_GET['nim'])) {
7
8   $nim_yang_dihapus = $koneksi->real_escape_string($_GET['nim']);
9
10  $sql_delete = "DELETE FROM $table WHERE nim = ?";
```

```

11
12 $stmt_delete = $koneksi->prepare($sql_delete);
13 $stmt_delete->bind_param("s", $nim_yang_dihapus);
14
15 if ($stmt_delete->execute()) {
16   $pesan = "Data NIM " . htmlspecialchars($nim_yang_dihapus) . " berhasil dihapus!";
17 } else {
18   $pesan = "Error saat menghapus data: " . $stmt_delete->error;
19 }
20
21 $stmt_delete->close();
22
23 // Redirect kembali ke halaman daftar data dengan membawa pesan status
24 header("Location: baca_data.php?status=" . urlencode($pesan));
25 exit();
26
27 } else {
28   // Jika NIM tidak ditemukan
29   header("Location: baca_data.php?status=" . urlencode("Error: NIM tidak ditemukan di URL."));
30   exit();
31 }
32
33 $koneksi->close();
34 ?>
```

Line 1, Column 1      Spaces: 4      PHP      7:08 PM 11/29/2025

## OUTPUT

Daftar Data Mahasiswa

No.	NIM	Nama	
1	1234567	Nuraeni	Balapulang
2	3455645	Putri Amelia	Karangdawa
3	5674356	Ria Anashwa	Batuagung
4	6547654	Akbar Satrio	Cibunar
5	8905432	Muhammad Fikri	Sesepan

localhost says

Apakah Anda yakin ingin menghapus data NIM 1234567?

OK Cancel

7:07 PM 11/29/2025

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "localhost/p5\_manipulasi\_data/baca\_data.php". A green notification bar at the top of the page displays the message "Data NIM 1234567 berhasil dihapus!". Below this, the title "Daftar Data Mahasiswa" is visible. A blue button labeled "+ Tambah Data Baru" is present. A table lists four student records:

No.	NIM	Nama	Alamat	Aksi
1	3455645	Putri Amelia	Karangdawa	<a href="#">Edit</a> <a href="#">Hapus</a>
2	5674356	Ria Anashwa	Batuagung	<a href="#">Edit</a> <a href="#">Hapus</a>
3	6547654	Akbar Satrio	Cibunar	<a href="#">Edit</a> <a href="#">Hapus</a>
4	8905432	Muhammad Fikri	Sesepan	<a href="#">Edit</a> <a href="#">Hapus</a>

