

LAPORAN PRAKTIKUM 5
MANIPULASI DATA PHP MYSQL



Dosen Pengampu :

Muhamad Ainurohman, S.Kom

Disusun Oleh :

Nama : Widi Afriza

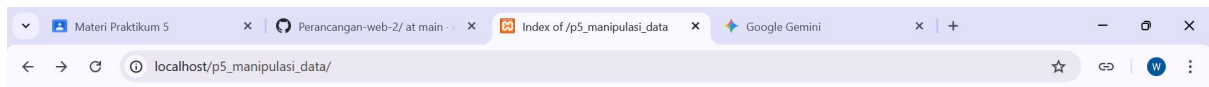
NIM : 2402056

Kelas : Teknik Informatika-3B

PROGRAM STUDI D3 TEKNIK INFORMATIKA

POLITEKNIK PURBAYA

2024/2025



Index of /p5_manipulasi_data

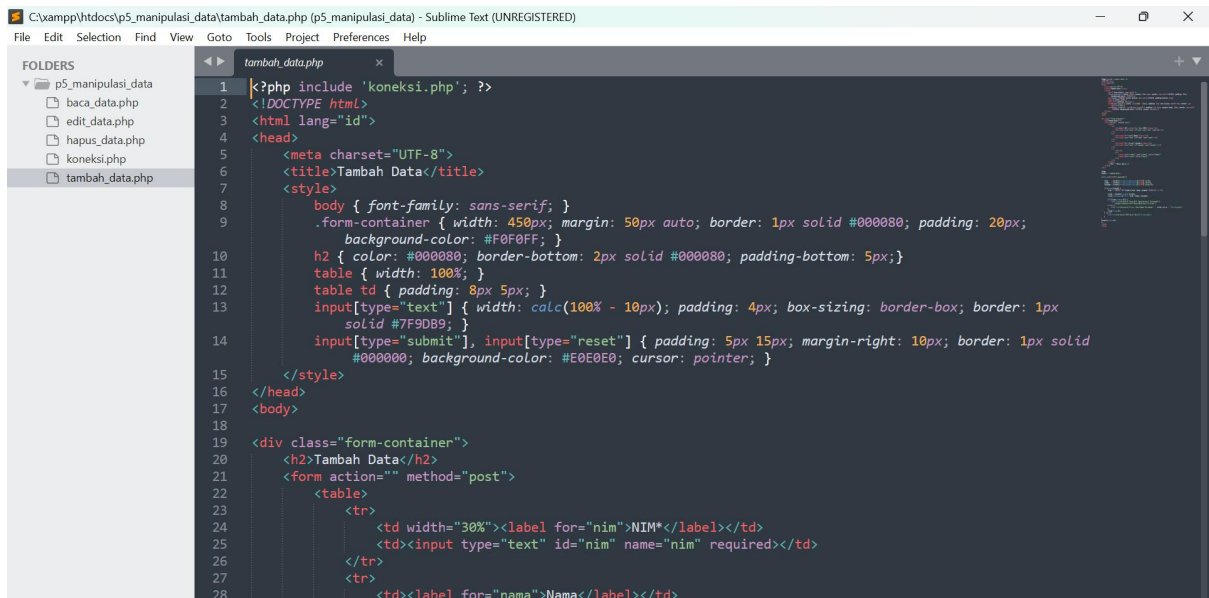
Name	Last modified	Size	Description
Parent Directory	-		
baca_data.php	2025-11-18 22:27	3.6K	
edit_data.php	2025-11-18 22:09	4.1K	
hapus_data.php	2025-11-18 22:09	933	
koneksi.php	2025-11-18 22:09	462	
tambah_data.php	2025-11-18 22:09	2.6K	

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



1. tambah_data.php

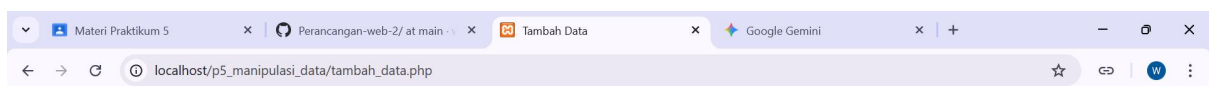
INPUT



```
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 </table>
32     <td><label for="alamat">Alamat</label></td>
33     <td><input type="text" id="alamat" name="alamat"></td>
34 </tr>
35 </table>
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!');
64             window.location.href='baca_data.php';</script>";
65         } else {
66             echo "<script>alert('Error: Data Gagal Disimpan! ' . $stmt->error . ');</script>";
67         }
68         $stmt->close();
69     } else {
70         echo "<script>alert('NIM harus diisi!');</script>";
71     }
72     $koneksi->close();
73 }
74 </body>
75 </html>
```

OUTPUT



Tambah Data

NIM*

34556645

Nama

Putri Amelia

Alamat

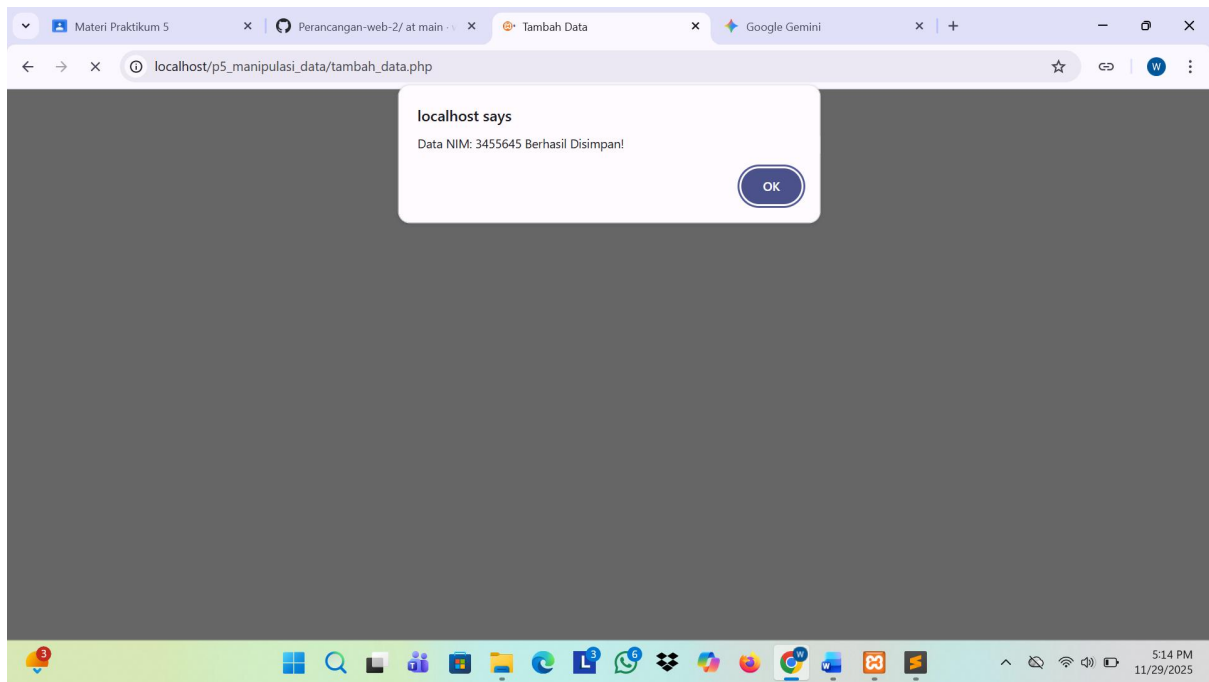
Pakulaut

Submit

Cancel

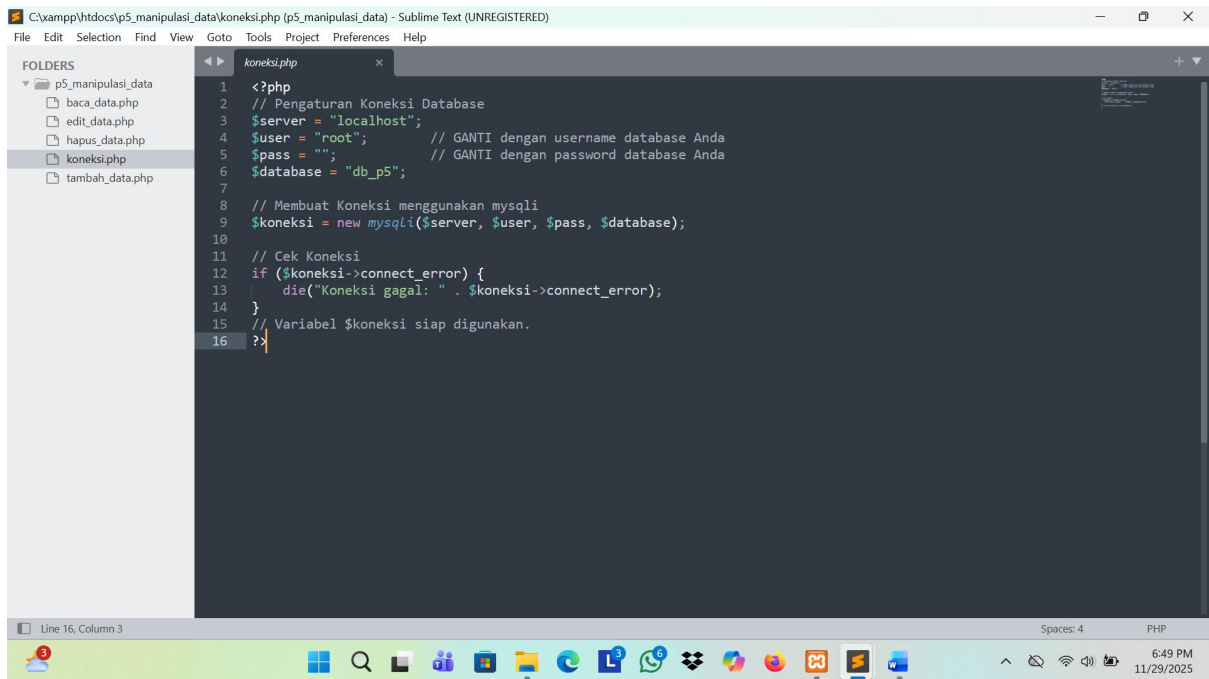
Ket: * Harus diisi





2. koneksi.php

INPUT



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
```

```
ps_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 . "
53         </p>";
54     }
55     $stmt_update->close();
56 }
57 $koneksi->close();
58 ?>
59 <!DOCTYPE html>
60 <html lang="id">
61 <head>
62     <meta charset="UTF-8">
```

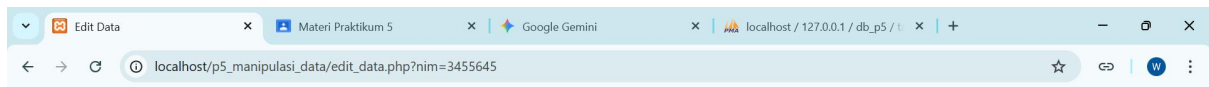
```
baca_data.php
edit_data.php
hapus_data.php
koneksi.php
tambah_data.php

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: #F0F0FF; }
68     h2 { color: #000080; border-bottom: 2px solid #000080; padding-bottom: 5px; }
69     table { width: 100%; }
70     table td { padding: 8px 5px; }
71     input[type="text"] { width: calc(100% - 10px); padding: 4px; box-sizing: border-box; border: 1px
72         solid #7F9DB9; }
73     input[type="submit"], input[type="button"] { padding: 5px 15px; margin-right: 10px; border: 1px
74         solid #000000; background-color: #E0E0E0; cursor: pointer; }
75 </style>
76 </head>
77 <body>
78
79 <div class="form-container">
80     <h2>Edit Data</h2>
81
82     <?php echo $pesan_status; // Tampilkan pesan status ?>
83
84     <form action="" method="post">
85         <table>
86             <tr>
87                 <td width="30%"><label for="nim_baru">NIM*</label></td>
88                 <td>
89                     <input type="text" id="nim_baru" name="nim_baru" value="<?php echo htmlspecialchars($
90                         nim_lama); ?>" readonly>
91                     <input type="hidden" name="nim_acuan" value="<?php echo htmlspecialchars($nim_lama); ?>
92                     ">
93                 </td>
94             </tr>
```

```
edit_data.php
hapus_data.php
koneksi.php
tambah_data.php

89 </tr>
90 <tr>
91     <td><label for="nama_baru">Nama</label></td>
92     <td>
93         <input type="text" id="nama_baru" name="nama_baru" value="<?php echo htmlspecialchars($
94             nama_lama); ?>">
95     </td>
96 </tr>
97 <tr>
98     <td><label for="alamat_baru">Alamat</label></td>
99     <td>
100         <input type="text" id="alamat_baru" name="alamat_baru" value="<?php echo
101             htmlspecialchars($alamat_lama); ?>">
102     </td>
103 </tr>
104 <tr>
105     <td></td>
106     <td>
107         <input type="submit" name="submit_edit" value="Submit">
108         <input type="button" value="Cancel" onclick="window.history.back()">
109     </td>
110 </tr>
111 </table>
112 <p>Ket: * Harus diisi</p>
113 </form>
114 </div>
115 </body>
116 </html>
```

OUTPUT



Edit Data

NIM*

3455645

Nama

Putri Amelia

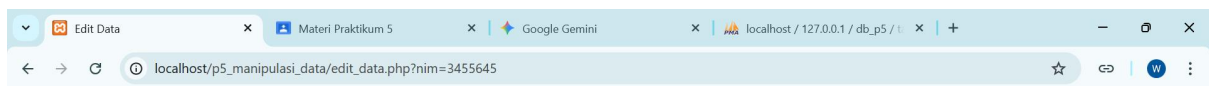
Alamat

Karangdawa

Submit

Cancel

Ket: * Harus diisi



Edit Data

✓ Data NIM 3455645 Berhasil Diperbarui!

NIM*

3455645

Nama

Putri Amelia

Alamat

Karangdawa

Submit

Cancel

Ket: * Harus diisi



4. baca_data.php

INPUT


```
C:\xampp\htdocs\p5_manipulasi_data\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>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
```

```
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
```

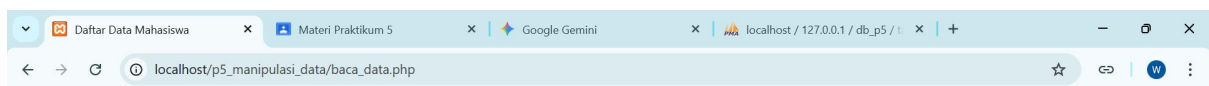
```
61 $table = "tambah_data";
62 $no = 1;
63
64 // Query untuk mengambil semua data
65 $sql = "SELECT nim, nama, alamat FROM $table ORDER BY nim ASC";
66 $result = $koneksi->query($sql);
67
68 if ($result->num_rows > 0) {
69   while($row = $result->fetch_assoc()) {
70     echo "<tr>";
71     echo "<td>";
72     echo "</td>";
73     echo "</td>";
74     echo "</td>";
75     echo "</td>";
76     echo "</tr>";
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($row["nim"]) . "'
79         class='edit'>Edit</a>";
80
81     // Link Hapus (mengirim NIM dengan konfirmasi)
82     echo "<a href='hapus_data.php?nim=" . htmlspecialchars($row["nim"]) . "' class='hapus'
83         onclick='return confirm(\"Apakah Anda yakin ingin menghapus data NIM \"
84         htmlspecialchars($row["nim"]) . "\");'>Hapus</a>";
85
86     echo "</td>";
87     echo "</tr>";
88 }
89 } else {
90     echo "<tr><td colspan='5'>Tidak ada data mahasiswa ditemukan.</td></tr>";
91 }
92
93 // Tutup koneksi di akhir skrip
94 $koneksi->close();
95 ?>
96 </tbody>
97 </table>
98 </body>
99 </html>
```

OUTPUT



Daftar Data Mahasiswa

[Tambah Data Baru](#)

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

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

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 ?>
```

OUTPUT

Daftar Data Mahasiswa

+ Tambah Data Baru

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

localhost says

Apakah Anda yakin ingin menghapus data NIM 1234567?

[OK](#) [Cancel](#)

Data NIM 1234567 berhasil dihapus!

Daftar Data Mahasiswa

Tambah Data Baru

No.	NIM	Nama	Alamat	Aksi
1	3455645	Putri Amelia	Karangdawa	<div>EditHapus</div>
2	5674356	Ria Anashwa	Batuagung	<div>EditHapus</div>
3	6547654	Akbar Satrio	Cibunar	<div>EditHapus</div>
4	8905432	Muhammad Fikri	Sesepan	<div>EditHapus</div>