

**LAPORAN PRAKTIKUM
PEMROGRAMAN WEB II
MODUL 6**



Session

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LAPORAN PRAKTIKUM PEMROGRAMAN WEB II
MODUL 6

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SOAL

Buatlah sebuah fitur login pada aplikasi web yang sudah dibuat sebelumnya pada modul 5. Kemudian tambahkan implementasi session pada halaman CRUD sehingga apabila user belum melakukan login dan mencoba mengakses link formulir CRUD maka akan diarahkan ke halaman error yang menampilkan pesan:

“Anda Tidak Memiliki Akses Ke Halaman Ini!”

Data yang digunakan untuk proses login merupakan data pada tabel member nomor_member dan password (tambahkan kolom password pada tabel member). Sehingga di dalam proyek terdapat minimal file baru berikut:

Nama File	Keterangan
FormLogin.php	Halaman yang menampilkan formulir isian untuk login.
Login.php	Berisi fungsi – fungsi untuk melakukan proses login.
ErrorPage.php	Halaman yang digunakan untuk menampilkan pesan error jika belum login

Simpan dengan nama project di Github: PRAK601.

1. Koneksi.php

A. Source Code

1	<?php
2	
3	\$datasourcename = 'mysql:host=localhost;dbname=perpustakaan';
4	\$username = 'root';
5	\$password = '';
6	
7	\$conn = new PDO(\$datasourcename, \$username, \$password);

B. Pembahasan

Digunakan untuk membangun koneksi ke database perpustakaan.

2. Model.php

A. Source Code

```
1 <?php
2
3 function GetAllDataPeminjaman($pdo)
4 {
5     $sql = "SELECT * FROM peminjaman";
6     $statement = $pdo->prepare($sql);
7     $statement->execute();
8     $peminjamans = $statement->fetchAll(PDO::FETCH_OBJ);
9     $pdo = null;
10    return $peminjamans;
11 }
12
13 function GetDataPeminjamanById($pdo, $id)
14 {
15     $sql = "SELECT * FROM peminjaman WHERE id_peminjaman = $id";
16     $statement = $pdo->prepare($sql);
17     $statement->execute();
18     $peminjaman = $statement->fetch(PDO::FETCH_OBJ);
19     $pdo = null;
20    return $peminjaman;
21 }
22
23 function AddPeminjaman($pdo, $tgl_pinjam, $tgl_kembali)
24 {
25     $sql = "INSERT INTO peminjaman (tgl_pinjam, tgl_kembali) VALUES
26 (?,:)";
27     $stmt = $pdo->prepare($sql);
28     $stmt->execute([$tgl_pinjam, $tgl_kembali]);
29     $pdo = null;
30     header('Location: Peminjaman.php');
31     exit();
32 }
33
34 function UpdatePeminjaman($pdo, $tgl_pinjam, $tgl_kembali, $id)
35 {
36     $sql = "UPDATE peminjaman SET tgl_pinjam=?, tgl_kembali=? WHERE
37 id_peminjaman=?";
38     $stmt = $pdo->prepare($sql);
39     $stmt->execute([$tgl_pinjam, $tgl_kembali, $id]);
40     $pdo = null;
41     header('Location: Peminjaman.php');
42     exit();
43 }
44
45 function DeletePeminjaman($pdo, $id)
46 {
47     $sql = "DELETE FROM peminjaman WHERE id_peminjaman=?";
48     $stmt = $pdo->prepare($sql);
49     $stmt->execute([$id]);
```

```

50     $pdo = null;
51     header('Location: Peminjaman.php');
52     exit();
53 }
54
55 function GetAllDataMember($pdo)
56 {
57     $sql = "SELECT * FROM member";
58
59     $statement = $pdo->prepare($sql);
60     $statement->execute();
61     $members = $statement->fetchAll(PDO::FETCH_OBJ);
62     $pdo = null;
63     return $members;
64 }
65
66 function GetDataMemberById($pdo, $id)
67 {
68     $sql = "SELECT * FROM member WHERE id_member = $id";
69     $statement = $pdo->prepare($sql);
70     $statement->execute();
71     $member = $statement->fetch(PDO::FETCH_OBJ);
72     $pdo = null;
73     return $member;
74 }
75
76 function AddMember($pdo, $nama_member, $nomor_member,
77 $password_member, $alamat, $tgl_mendaftar, $tgl_terakhir_bayar)
78 {
79     $sql = "INSERT INTO member (nama_member, nomor_member,
80 password_member, alamat, tgl_mendaftar, tgl_terakhir_bayar) VALUES
81 (?, ?, ?, ?, ?, ?)";
82     $stmt = $pdo->prepare($sql);
83     $stmt->execute([$nama_member, $nomor_member, $password_member,
84 $alamat, $tgl_mendaftar, $tgl_terakhir_bayar]);
85     $pdo = null;
86     header('Location: Member.php');
87     exit();
88 }
89
90 function UpdateMember($pdo, $nama_member, $nomor_member,
91 $password_member, $alamat, $tgl_mendaftar, $tgl_terakhir_bayar,
92 $id)
93 {
94     $sql = "UPDATE member SET nama_member=?, nomor_member=?,
95 password_member=?, alamat=?, tgl_mendaftar=?, tgl_terakhir_bayar=?
96 WHERE id_member=?";
97     $stmt = $pdo->prepare($sql);
98     $stmt->execute([$nama_member, $nomor_member, $password_member,
99 $alamat, $tgl_mendaftar, $tgl_terakhir_bayar, $id]);
100     $pdo = null;
101     header('Location: Member.php');
102     exit();
103 }
104
105 function DeleteMember($pdo, $id)
106 {

```



```

107     $sql = "DELETE FROM member WHERE id_member=?";
108     $stmt = $pdo->prepare($sql);
109     $stmt->execute([$id]);
110     $pdo = null;
111     header('Location: Member.php');
112     exit();
113 }
114
115 function CekMember($pdo, $nomor_member)
116 {
117     $sql = "SELECT nomor_member FROM member WHERE
118 nomor_member=$nomor_member";
119     $stmt = $pdo->prepare($sql);
120     $stmt->execute();
121     $member = $stmt->fetch(PDO::FETCH_OBJ);
122     $pdo = null;
123     if ($member == null) {
124         header('Location: ErrorPage.php');
125         exit();
126     }
127 }
128
129 function GetAllDataBuku($pdo)
130 {
131     $sql = "SELECT * FROM buku";
132     $statement = $pdo->prepare($sql);
133     $statement->execute();
134     $bukus = $statement->fetchAll(PDO::FETCH_OBJ);
135     $pdo = null;
136     return $bukus;
137 }
138
139 function GetDataBukuById($pdo, $id)
140 {
141     $sql = "SELECT * FROM buku WHERE id_buku = $id";
142     $statement = $pdo->prepare($sql);
143     $statement->execute();
144     $buku = $statement->fetch(PDO::FETCH_OBJ);
145     $pdo = null;
146     return $buku;
147 }
148
149 function AddBuku($pdo, $judul_buku, $penulis, $penerbit,
150 $tahun_terbit)
151 {
152     $sql = "INSERT INTO buku (judul_buku, penulis, penerbit,
153 tahun_terbit) VALUES (?, ?, ?, ?)";
154     $stmt = $pdo->prepare($sql);
155     $stmt->execute([$judul_buku, $penulis, $penerbit,
156 $tahun_terbit]);
157     $pdo = null;
158     header('Location: Buku.php');
159     exit();
160 }
161
162 function UpdateBuku($pdo, $judul_buku, $penulis, $penerbit,
163 $tahun_terbit, $id)

```

```

164 {
165     $sql = "UPDATE buku SET judul_buku=?, penulis=?, penerbit=?,
166 tahun_terbit=? WHERE id_buku=?";
167     $stmt = $pdo->prepare($sql);
168     $stmt->execute([$judul_buku, $penulis, $penerbit,
169 $tahun_terbit, $id]);
170     $pdo = null;
171     header('Location: Buku.php');
172     exit();
173 }
174
175 function DeleteBuku($pdo, $id)
176 {
177     $sql = "DELETE FROM buku WHERE id_buku=?";
178     $stmt = $pdo->prepare($sql);
179     $stmt->execute([$id]);
180     $pdo = null;
181     header('Location: Buku.php');
182     exit();
183 }
184
185 function CekUserSession($session)
186 {
187     if ($session == "Guest")
188         header('Location: ErrorPage.php');
189 }
190
191 function GetNama($pdo, $nomor_member)
192 {
193     $sql = "SELECT nama_member FROM member WHERE nomor_member =
194 $nomor_member";
195     $statement = $pdo->prepare($sql);
196     $statement->execute();
197     $member = $statement->fetch(PDO::FETCH_OBJ);
198     $pdo = null;
199     return $member;
200 }
201

```

B. Pembahasan

Digunakan untuk menyimpan fungsi model.

Pada line [167] adalah fungsi untuk mengecek apakah user memiliki akses untuk melihat data jika tidak maka akan masuk ke ErrorPage.php.

Pada line [173] adalah fungsi untuk mengambil nama yang nantinya akan ditampilkan pada index.php di bar atas.

Pada line [104] adalah fungsi untuk mengecek apakah data user saat ini ada di database jika tidak maka akan berubah statusnya menjadi guest.

3. Peminjaman.php

A. Source Code

```
1  <?php
2  session_start();
3
4  require 'Model.php';
5  require 'Koneksi.php';
6
7  CekUserSession($_SESSION['NomorMember']);
8  ?>
9
10 <!doctype html>
11 <html lang="en">
12
13 <head>
14     <meta charset="utf-8">
15     <meta name="viewport" content="width=device-width, initial-
16 scale=1">
17     <title>Data Peminjaman</title>
18     <link href="https://cdn.jsdelivrivr.net/npm/bootstrap@5.2.0-
19 beta1/dist/css/bootstrap.min.css" rel="stylesheet"
20 integrity="sha384-
21 0evHe/X+R7YkIZDRvuzKMRqM+OrBnVFBL6DOitfPri4tjfhXaWutUpFmBp4vmVor"
22 crossorigin="anonymous">
23 </head>
24
25 <body>
26     <nav class="navbar navbar-inverse bg-secondary bg-opacity-25">
27         <div class="container-fluid">
28             <a class="navbar-brand" href="#">Data Perpustakaan</a>
29             <button class="navbar-toggler" type="button" data-bs-
30 toggle="collapse" data-bs-target="#navbarSupportedContent" aria-
31 controls="navbarSupportedContent" aria-expanded="false" aria-
32 label="Toggle navigation">
33                 <span class="navbar-toggler-icon"></span>
34             </button>
35             <div class="collapse navbar-collapse"
36 id="navbarSupportedContent">
37                 <ul class="navbar-nav me-auto mb-2 mb-lg-0">
38                     <li><a class="nav-link"
39 href="index.php">Home</a></li>
40                     <li><a class="nav-link"
41 href="Buku.php">Buku</a></li>
42                     <li><a class="nav-link"
43 href="Member.php">Member</a></li>
44                     <li class="nav-item">
45                         <a class="nav-link active" aria-
46 current="page" href="#">Peminjaman</a>
47                     </li>
48                     <li><a class="nav-link" href="FormLogin.php">Log
49 Out</a></li>
50                 </ul>
51             </div>
52         </div>
53     </nav>
```

```

54
55     <a href='PeminjamanForm.php?form=tambah'><button class="btn btn-
56 success text-white mt-2">Tambah Data</button></a>
57     <table class="table table-striped mt-2">
58         <tr class="table-dark">
59             <th scope="col">Tanggal Pinjam</th>
60             <th scope="col">Tanggal Kembali</th>
61             <th scope="col">Aksi</th>
62         </tr>
63         <?php foreach (GetAllDataPeminjaman($conn) as $row) : ?>
64             <tr>
65                 <td><?= $row->tgl_pinjam; ?></td>
66                 <td><?= $row->tgl_kembali; ?></td>
67                 <td>
68                     <a href='PeminjamanForm.php?id_peminjaman=<?=
69 $row->id_peminjaman ?>&form=update'><button class="btn btn-primary
70 text-white">Edit</button></a>
71                     <a onclick="return confirm('Yakin hapus data
72 yang dipilih?')" href='PeminjamanForm.php?id_peminjaman=<?= $row-
74 >id_peminjaman ?>&form=delete'><button class="btn btn-danger text-
75 white">Delete</button></a>
76                 </td>
77             </tr>
78         </tr>
79     <?php endforeach; ?>
80 </table>
81     <script src="https://cdn.jsdelivrivr.net/npm/bootstrap@5.2.0-
82 betal/dist/js/bootstrap.bundle.min.js" integrity="sha384-
83 pprn3073KE6tl6bjs2QrFaJGz5/SUSLqktiwsUTF55Jfv3qYSDhgCecCxMW52nD2"
84 crossorigin="anonymous"></script>
85 </body>
86
87 </html>

```

B. Pembahasan

Digunakan untuk menampilkan view data peminjaman.

4. PeminjamanForm.php

A. Source Code

```

1 <?php
2 require 'Koneksi.php';
3 require 'Model.php';
4
5
6 $form = $_GET['form'];
7 if ($form != 'tambah')
8     $id = $_GET['id_peminjaman'];
9
10 if ($form == 'update') {

```

```

11     $dataPeminjaman = GetDataPeminjamanById($conn, $id);
12     if (isset($_POST['tgl_pinjam']) &&
13 isset($_POST['tgl_kembali'])) {
14         $tgl_pinjam = $_POST['tgl_pinjam'];
15         $tgl_kembali = $_POST['tgl_kembali'];
16         UpdatePeminjaman($conn, $tgl_pinjam, $tgl_kembali, $id);
17     }
18 } else if ($form == 'tambah') {
19     if (isset($_POST['tgl_pinjam']) &&
20 isset($_POST['tgl_kembali'])) {
21         $tgl_pinjam = $_POST['tgl_pinjam'];
22         $tgl_kembali = $_POST['tgl_kembali'];
23         AddPeminjaman($conn, $tgl_pinjam, $tgl_kembali);
24     }
25 } else if ($form == 'delete') {
26     DeletePeminjaman($conn, $id);
27 }
28
29 ?>
30
31 <!doctype html>
32 <html lang="en">
33
34 <head>
35     <meta charset="utf-8">
36     <meta name="viewport" content="width=device-width, initial-
37 scale=1">
38     <title>Form Member</title>
39     <link href="https://cdn.jsdelivrivr.net/npm/bootstrap@5.2.0-
40 betal/dist/css/bootstrap.min.css" rel="stylesheet"
41 integrity="sha384-
42 0evHe/X+R7YkIZDRvuzKMRqM+OrBnVFBLL6DOitfPri4tjfhXaWutUpFmBp4vmVor"
43 crossorigin="anonymous">
44 </head>
45
46 <body>
47
48     <?php if ($form == 'tambah') : ?>
49         <div class="container bg-secondary bg-opacity-50 mt-5
50 rounded">
51             <p class="fs-2 p-4 mt-2">Form Tambah Peminjaman</p>
52
53             <div class="p-4">
54                 <form class="mb-2" method="post">
55
56                     <label for="tgl_pinjam" class="form-
57 label">Tanggal Pinjam</label>
58                     <input type="date" class="form-control"
59 name="tgl_pinjam" id="tgl_pinjam">
60
61                     <label for="tgl_kembali" class="form-
62 label">Tanggal Kembali</label>
63                     <input type="date" class="form-control"
64 name="tgl_kembali" id="tgl_kembali">
65                     <button class="btn btn-success mt-2"
66 name='tambah' type="submit">Tambahkan Data</button>
67

```

```

68         </form>
69         <a href='Peminjaman.php'><button class="btn btn-
70 danger text-white">Cancel</button></a>
71     </div>
72 </div>
73
74     <?php elseif ($form == 'update') : ?>
75         <div class="container bg-secondary bg-opacity-50 mt-5
76 rounded">
77             <p class="fs-2 p-4 mt-2">Form Update Peminjaman</p>
78             <div class="p-4">
79                 <form class="mb-2" method="post">
80
81                     <label for="tgl_pinjam" class="form-
82 label">Tanggal Pinjam</label>
83                     <input type="date" class="form-control"
84 value="<?php $dataPeminjaman->tgl_pinjam;
85
86 echo "$dataPeminjaman->tgl_pinjam" ?>" name="tgl_pinjam"
87 id="tgl_pinjam">
88
89                     <label for="tgl_kembali" class="form-
90 label">Tanggal Kembali</label>
91                     <input type="date" class="form-control"
92 value="<?php $dataPeminjaman->tgl_kembali;
93
94 echo "$dataPeminjaman->tgl_kembali" ?>" name="tgl_kembali"
95 id="tgl_kembali">
96                     <button class="btn btn-success mt-2"
97 name='update' type="submit">Update Peminjaman</button>
98
99                 </form>
100                 <a href='Peminjaman.php'><button class="btn btn-
101 danger text-white">Cancel</button></a>
102             </div>
103         </div>
104     <?php endif; ?>
105
106     <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-
107 beta1/dist/js/bootstrap.bundle.min.js" integrity="sha384-
108 pprn3073KE6tl6bjs2QrFaJGz5/SUsLqktiwsUTF55Jfv3qYSDhgCecCxMW52nD2"
109 crossorigin="anonymous"></script>
110 </body>

```

B. Pembahasan

Digunakan untuk menampilkan form pengeditan atau penambahan untuk data peminjaman.

5. Member.php

A. Source Code

```
1  <?php
2  session_start();
3
4  require 'Model.php';
5  require 'Koneksi.php';
6
7  CekUserSession($_SESSION['NomorMember']);
8  CekMember($conn, $_SESSION['NomorMember']);
9  ?>
10
11 <!doctype html>
12 <html lang="en">
13
14 <head>
15     <meta charset="utf-8">
16     <meta name="viewport" content="width=device-width, initial-
17 scale=1">
18     <title>Data Member</title>
19     <link href="https://cdn.jsdelivrivr.net/npm/bootstrap@5.2.0-
20 beta1/dist/css/bootstrap.min.css" rel="stylesheet"
21 integrity="sha384-
22 0evHe/X+R7YkIZDRvuzKMRqM+OrBnVFBL6DOitfPri4tjfhXaWutUpFmBp4vmVor"
23 crossorigin="anonymous">
24 </head>
25
26 <body>
27     <nav class="navbar navbar-inverse bg-secondary bg-opacity-25">
28         <div class="container-fluid">
29             <a class="navbar-brand" href="#">Data Member</a>
30             <button class="navbar-toggler" type="button" data-bs-
31 toggle="collapse" data-bs-target="#navbarSupportedContent" aria-
32 controls="navbarSupportedContent" aria-expanded="false" aria-
33 label="Toggle navigation">
34                 <span class="navbar-toggler-icon"></span>
35             </button>
36             <div class="collapse navbar-collapse"
37 id="navbarSupportedContent">
38                 <ul class="navbar-nav me-auto mb-2 mb-lg-0">
39                     <li><a class="nav-link"
40 href="index.php">Home</a></li>
41                     <li><a class="nav-link"
42 href="Buku.php">Buku</a></li>
43                     <li class="nav-item">
44                         <a class="nav-link active" aria-
45 current="page" href="#">Member</a>
46                     </li>
47                     <li><a class="nav-link"
48 href="Peminjaman.php">Peminjaman</a></li>
49                     <li><a class="nav-link" href="FormLogin.php">Log
50 Out</a></li>
51                 </ul>
52             </div>
53         </div>
```

```

54     </nav>
55
56     <a href='MemberForm.php?form=tambah'><button class="btn btn-
57 success text-white mt-2">Tambah Data</button></a>
58     <table class="table table-striped mt-2">
59         <tr class="table-dark">
60             <th scope="col">Nama Member</th>
61             <th scope="col">Nomor Member</th>
62             <th scope="col">Password Member</th>
63             <th scope="col">Alamat</th>
64             <th scope="col">Tanggal Mendaftar</th>
65             <th scope="col">Tanggal Terakhir Bayar</th>
66             <th scope="col">Aksi</th>
67         </tr>
68         <?php foreach (GetAllDataMember($conn) as $row) : ?>
69             <tr>
70                 <td><?= $row->nama_member; ?></td>
71                 <td><?= $row->nomor_member; ?></td>
72                 <td><?= $row->password_member; ?></td>
73                 <td><?= $row->alamat; ?></td>
74                 <td><?= $row->tgl_mendaftar; ?></td>
75                 <td><?= $row->tgl_terakhir_bayar; ?></td>
76                 <td>
77                     <a href='MemberForm.php?id_member=<?= $row-
78 >id_member ?>&form=update'><button class="btn btn-primary text-
79 white">Edit</button></a>
80                     <a onclick="return confirm('Yakin hapus data
81 yang dipilih?')" href='MemberForm.php?id_member=<?= $row->id_member
82 ?>&form=delete'><button class="btn btn-danger text-
83 white">Delete</button></a>
84                 </td>
85             </tr>
86         </tr>
87     <?php endforeach; ?>
88 </table>
89
90     <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-
91 beta1/dist/js/bootstrap.bundle.min.js" integrity="sha384-
92 pprn3073KE6tl6bjs2QrFaJGz5/SUsLqktiwsUTF55Jfv3qYSDhgCecCxMW52nD2"
93 crossorigin="anonymous"></script>
94 </body>
95
96 </html>

```

B. Pembahasan

Digunakan untuk menampilkan view data member.

Pada line [7] adalah pemanggilan fungsi cekUserSession yang akan mengecek apakah statusnya adalah guest.

Pada line [8] adalah pemanggilan fungsi cekMember yang akan mengecek apakah status user ada di database, biasanya digunakan pada kasus jika menghapus data member yang digunakan untuk login maka user akan berubah statusnya menjadi guest.

6. MemberForm.php

A. Source Code

```
1 <?php
2 require 'Koneksi.php';
3 require 'Model.php';
4
5
6 $form = $_GET['form'];
7 if ($form != 'tambah')
8     $id = $_GET['id_member'];
9
10 if ($form == 'update') {
11     $dataMember = GetDataMemberById($conn, $id);
12     if (isset($_POST['nama_member'])) {
13         $nama_member = $_POST['nama_member'];
14         $nomor_member = $_POST['nomor_member'];
15         $password_member = $_POST['password_member'];
16         $alamat = $_POST['alamat'];
17         $tgl_mendaftar = $_POST['tgl_mendaftar'];
18         $tgl_terakhir_bayar = $_POST['tgl_terakhir_bayar'];
19         UpdateMember($conn, $nama_member, $nomor_member,
20 $password_member, $alamat, $tgl_mendaftar, $tgl_terakhir_bayar,
21 $id);
22     }
23 } else if ($form == 'tambah') {
24     if (isset($_POST['nama_member'])) {
25         $nama_member = $_POST['nama_member'];
26         $nomor_member = $_POST['nomor_member'];
27         $password_member = $_POST['password_member'];
28         $alamat = $_POST['alamat'];
29         $tgl_mendaftar = $_POST['tgl_mendaftar'];
30         $tgl_terakhir_bayar = $_POST['tgl_terakhir_bayar'];
31         AddMember($conn, $nama_member, $nomor_member,
32 $password_member, $alamat, $tgl_mendaftar, $tgl_terakhir_bayar);
33     }
34 } else if ($form == 'delete') {
35     DeleteMember($conn, $id);
36 }
37
38 ?>
39
40 <!doctype html>
41 <html lang="en">
42
43 <head>
44     <meta charset="utf-8">
45     <meta name="viewport" content="width=device-width, initial-
46 scale=1">
47     <title>Form Member</title>
48     <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-
49 betal/dist/css/bootstrap.min.css" rel="stylesheet"
```

```

50 integrity="sha384-
51 0evHe/X+R7YkIZDRvuzKMRqM+OrBnVFBL6DOitfPri4tjfHxaWutUpFmBp4vmVor"
52 crossorigin="anonymous">
53 </head>
54
55 <body>
56
57     <?php if ($form == 'tambah') : ?>
58         <div class="container bg-secondary bg-opacity-50 mt-5
59 rounded">
60             <p class="fs-2 p-4 mt-2">Form Tambah Member</p>
61             <div class="p-4">
62                 <form class="mb-2" method="post">
63
64                     <label for="nama_member" class="form-
65 label">Nama Member</label>
66                     <input type="text" class="form-control"
67 name="nama_member" id="nama_member">
68
69                     <label for="nomor_member" class="form-
70 label">Nomor Member</label>
71                     <input type="text" class="form-control"
72 name="nomor_member" id="nomor_member">
73
74                     <label for="password_member" class="form-
75 label">Password Member</label>
76                     <input type="text" class="form-control"
77 name="password_member" id="password_member">
78
79                     <label for="alamat" class="form-
80 label">Alamat</label>
81                     <input type="text" class="form-control"
82 name="alamat" id="alamat">
83
84                     <label for="tgl_mendaftar" class="form-
85 label">Tanggal Mendaftar</label>
86                     <input type="datetime-local" class="form-
87 control" name="tgl_mendaftar" id="tgl_mendaftar">
88
89                     <label for="tgl_terakhir_bayar" class="form-
90 label">Tanggal Terakhir Bayar</label>
91                     <input type="date" class="form-control"
92 name="tgl_terakhir_bayar" id="tgl_terakhir_bayar">
93                     <button class="btn btn-success mt-2"
94 name='tambah' type="submit">Tambahkan Data</button>
95
96                 </form>
97                 <a href='Member.php'><button class="btn btn-danger
98 text-white">Cancel</button></a>
99             </div>
100         </div>
101
102     <?php elseif ($form == 'update') : ?>
103         <div class="container bg-secondary bg-opacity-50 mt-5
104 rounded">
105             <p class="fs-2 p-4 mt-2">Form Update Member</p>
106             <div class="p-4">

```

```

107         <form class="mb-2" method="post">
108
109             <label for="nama_member" class="form-
110 label">Nama Member</label>
111             <input type="text" class="form-control"
112 value="<?php $dataMember->nama_member;"
113
114 echo "$dataMember->nama_member" ?>" name="nama_member"
115 id="nama_member">
116
117             <label for="nomor_member" class="form-
118 label">Nomor Member</label>
119             <input type="text" class="form-control"
120 value="<?php $dataMember->nomor_member;"
121
122 echo "$dataMember->nomor_member" ?>" name="nomor_member"
123 id="nomor_member">
124
125             <label for="password_member" class="form-
126 label">Password Member</label>
127             <input type="text" class="form-control"
128 value="<?php $dataMember->password_member;"
129
130 echo "$dataMember->password_member" ?>" name="password_member"
131 id="password_member">
132
133             <label for="alamat" class="form-
134 label">Alamat</label>
135             <input type="text" class="form-control"
136 value="<?php $dataMember->alamat;"
137
138 echo "$dataMember->alamat" ?>" name="alamat" id="alamat">
139
140             <label for="tgl_mendaftar" class="form-
141 label">Tanggal Mendaftar</label>
142             <input type="datetime-local" class="form-
143 control" value="<?php $dataMember->tgl_mendaftar;"
144
145 echo "$dataMember->tgl_mendaftar" ?>" name="tgl_mendaftar"
146 id="tgl_mendaftar">
147
148             <label for="tgl_terakhir_bayar" class="form-
149 label">Tanggal Terakhir Bayar</label>
150             <input type="date" class="form-control"
151 value="<?php $dataMember->tgl_terakhir_bayar;"
152
153 echo "$dataMember->tgl_terakhir_bayar" ?>"
154 name="tgl_terakhir_bayar" id="tgl_terakhir_bayar">
155             <button class="btn btn-success mt-2"
156 name='update' type="submit">Update Member</button>
157
158         </form>
159         <a href='Member.php'><button class="btn btn-danger
160 text-white">Cancel</button></a>
161     </div>
162 </div>
163 <?php endif; ?>

```

164	
165	<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-
166	beta1/dist/js/bootstrap.bundle.min.js" integrity="sha384-
167	pprn3073KE6tl6bjs2QrFaJGz5/SUsLqktiwsUTF55Jfv3qYSDhgCecCxMW52nD2"
168	crossorigin="anonymous"></script>
169	</body>

B. Pembahasan

Menampilkan View Form Member.

7. Buku.php

A. Source Code

1	<?php
2	session_start();
3	
4	require 'Model.php';
5	require 'Koneksi.php';
6	
7	CekUserSession(\$_SESSION['NomorMember']);
8	?>
9	
10	<!doctype html>
11	<html lang="en">
12	
13	<head>
14	<meta charset="utf-8">
15	<meta name="viewport" content="width=device-width, initial-
16	scale=1">
17	<title>Data Buku</title>
18	<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-
19	beta1/dist/css/bootstrap.min.css" rel="stylesheet"
20	integrity="sha384-
21	0evHe/X+R7YkIZDRvuzKMRqM+OrBnVFBL6DOitfPri4tjfHxaWutUpFmBp4vmVor"
22	crossorigin="anonymous">
23	</head>
24	
25	<body>
26	
27	<nav class="navbar navbar-inverse bg-secondary bg-opacity-25">
28	<div class="container-fluid">
29	Data Buku
30	<button class="navbar-toggler" type="button" data-bs-
31	toggle="collapse" data-bs-target="#navbarSupportedContent" aria-
32	controls="navbarSupportedContent" aria-expanded="false" aria-
33	label="Toggle navigation">
34	
35	</button>
36	<div class="collapse navbar-collapse"
37	id="navbarSupportedContent">

```

38         <ul class="navbar-nav me-auto mb-2 mb-lg-0">
39             <li><a class="nav-link"
40 href="index.php">Home</a></li>
41             <li class="nav-item">
42                 <a class="nav-link active" aria-
43 current="page" href="#">Buku</a>
44             </li>
45             <li><a class="nav-link"
46 href="Member.php">Member</a></li>
47             <li><a class="nav-link"
48 href="Peminjaman.php">Peminjaman</a></li>
49             <li><a class="nav-link" href="FormLogin.php">Log
50 Out</a></li>
51         </ul>
52     </div>
53 </div>
54 </nav>
55
56     <a href='BukuForm.php?form=tambah'><button class="btn btn-
57 success text-white mt-2">Tambah Data</button></a>
58     <table class="table table-striped mt-2">
59         <tr class="table-dark">
60             <th scope="col">Judul Buku</th>
61             <th scope="col">Penulis</th>
62             <th scope="col">Penerbit</th>
63             <th scope="col">Tahun Terbit</th>
64             <th scope="col">Aksi</th>
65         </tr>
66         <?php foreach (GetAllDataBuku($conn) as $row) : ?>
67             <tr>
68                 <td><?= $row->judul_buku; ?></td>
69                 <td><?= $row->penulis; ?></td>
70                 <td><?= $row->penerbit; ?></td>
71                 <td><?= $row->tahun_terbit; ?></td>
72                 <td>
73                     <a href='BukuForm.php?id_buku=<?= $row->id_buku
74 ?>&form=update'><button class="btn btn-primary text-
75 white">Edit</button></a>
76                     <a href='BukuForm.php?id_buku=<?= $row->id_buku
77 ?>&form=delete' onclick="return confirm('Yakin hapus data yang
78 dipilih?')"><button type="button" class="btn btn-
79 danger">Delete</button></a>
80                 </td>
81             </tr>
82         </tr>
83     <?php endforeach; ?>
84 </table>
85
86     <script src="https://cdn.jsdelivrivr.net/npm/bootstrap@5.2.0-
87 beta1/dist/js/bootstrap.bundle.min.js" integrity="sha384-
88 pprn3073KE6tl6bjs2QrFaJGz5/SUSLqktiwsUTF55Jfv3qYSDhgCecCxMW52nD2"
89 crossorigin="anonymous"></script>
90 </body>
91
92 </html>

```

B. Pembahasan

Digunakan untuk menampilkan view data pada tabel buku.

8. BukuForm.php

A. Source Code

```
1 <?php
2 require 'Koneksi.php';
3 require 'Model.php';
4
5
6 $form = $_GET['form'];
7 if ($form != 'tambah')
8     $id = $_GET['id_buku'];
9
10 if ($form == 'update') {
11     $dataBuku = GetDataBukuById($conn, $id);
12     if (isset($_POST['judul_buku'])) {
13         $judul_buku = $_POST['judul_buku'];
14         $penulis = $_POST['penulis'];
15         $penerbit = $_POST['penerbit'];
16         $tahun_terbit = $_POST['tahun_terbit'];
17         UpdateBuku($conn, $judul_buku, $penulis, $penerbit,
18 $tahun_terbit, $id);
19     }
20 } else if ($form == 'tambah') {
21     if (isset($_POST['judul_buku'])) {
22         $judul_buku = $_POST['judul_buku'];
23         $penulis = $_POST['penulis'];
24         $penerbit = $_POST['penerbit'];
25         $tahun_terbit = $_POST['tahun_terbit'];
26         AddBuku($conn, $judul_buku, $penulis, $penerbit,
27 $tahun_terbit);
28     }
29 } else if ($form == 'delete') {
30     DeleteBuku($conn, $id);
31 }
32
33 ?>
34
35 <!doctype html>
36 <html lang="en">
37
38 <head>
39     <meta charset="utf-8">
40     <meta name="viewport" content="width=device-width, initial-
41 scale=1">
42     <title>Form Buku</title>
43     <link href="https://cdn.jsdelivrivr.net/npm/bootstrap@5.2.0-
44 betal/dist/css/bootstrap.min.css" rel="stylesheet"
45 integrity="sha384-
46 0evHe/X+R7YkIZDRvuzKMRqM+OrBnVFBL6DOitfPri4tjfhXaWutUpFmBp4vmVor"
47 crossorigin="anonymous">
```

```

48 </head>
49
50 <body>
51
52
53     <?php if ($form == 'tambah') : ?>
54         <div class="container bg-secondary bg-opacity-50 mt-5
55 rounded">
56             <p class="fs-2 p-4 mt-2">Form Tambah Buku</p>
57             <div class="p-4">
58                 <form class="mb-2" method="post">
59
60                     <label for="judul_buku" class="form-label">Nama
61 Buku</label>
62                     <input type="text" class="form-control"
63 name="judul_buku" id="judul_buku">
64
65                     <label for="penulis" class="form-
66 label">Penulis</label>
67                     <input type="text" class="form-control"
68 name="penulis" id="penulis">
69
70                     <label for="penerbit" class="form-
71 label">Penerbit</label>
72                     <input type="text" class="form-control"
73 name="penerbit" id="penerbit">
74
75                     <label for="tahun_terbit" class="form-
76 label">Tahun Terbit</label>
77                     <input type="text" class="form-control"
78 name="tahun_terbit" id="tahun_terbit">
79                     <button class="btn btn-success mt-2"
80 name='tambah' type="submit">Tambahkan Data</button>
81
82                 </form>
83                 <a href='Buku.php'><button class="btn btn-danger
84 text-white">Cancel</button></a>
85             </div>
86         </div>
87
88     <?php elseif ($form == 'update') : ?>
89         <div class="container bg-secondary bg-opacity-50 mt-5
90 rounded">
91             <p class="fs-2 p-4 mt-2">Form Update Buku</p>
92             <div class="p-4">
93                 <form class="mb-2" method="post">
94
95                     <label for="judul_buku" class="form-
96 label">Judul Buku</label>
97                     <input type="text" class="form-control"
98 value="<?php $dataBuku->judul_buku;
99
100 echo "$dataBuku->judul_buku" ?>" name="judul_buku" id="judul_buku">
101
102                     <label for="penulis" class="form-
103 label">Penulis</label>
104

```

```

105         <input type="text" class="form-control"
106 value="<?php $dataBuku->penulis;"
107
108 echo "$dataBuku->penulis" ?>" name="penulis" id="penulis">
109
110         <label for="penerbit" class="form-
111 label">Penerbit</label>
112         <input type="text" class="form-control"
113 value="<?php $dataBuku->penerbit;"
114
115 echo "$dataBuku->penerbit" ?>" name="penerbit" id="penerbit">
116
117         <label for="tahun_terbit" class="form-
118 label">Tahun Terbit</label>
119         <input type="text" class="form-control"
120 value="<?php $dataBuku->tahun_terbit;"
121
122 echo "$dataBuku->tahun_terbit" ?>" name="tahun_terbit"
123 id="tahun_terbit">
124
125         <button class="btn btn-success mt-2"
126 name='update' type="submit">Update Buku</button>
127
128     </form>
129     <a href='Buku.php'><button class="btn btn-danger
130 text-white">Cancel</button></a>
131 </div>
132 </div>
133 <?php endif; ?>
134
135 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-
136 beta1/dist/js/bootstrap.bundle.min.js" integrity="sha384-
137 pprn3073KE6tl6bjs2QrFaJGz5/SUsLqktiwsUTF55Jfv3qYSDhgCecCxMW52nD2"
138 crossorigin="anonymous"></script>
139 </body>

```

B. Pembahasan

Digunakan untuk menampilkan form pengeditan atau penambahan pada tabel buku.

9. index.php

A. Source Code

```

1 <?php
2 session_start();
3
4 require 'Model.php';
5 require 'Koneksi.php';
6 ?>
7
8 <!doctype html>
9 <html lang="en">
10
11 <head>
12     <meta charset="utf-8">
13

```



```

14 <meta name="viewport" content="width=device-width, initial-
15 scale=1">
16 <title>Perpustakaan</title>
17 <link href="https://cdn.jsdelivrivr.net/npm/bootstrap@5.2.0-
18 beta1/dist/css/bootstrap.min.css" rel="stylesheet"
19 integrity="sha384-
20 0evHe/X+R7YkIZDRvuzKMRqM+OrBnVFBL6DOitfPri4tjfHxaWutUpFmBp4vmVor"
21 crossorigin="anonymous">
22 </head>
23
24 <body>
25 <nav class="navbar navbar navbar-inverse bg-secondary bg-opacity-
26 25">
27 <div class="container-fluid">
28 <a class="navbar-brand" href="#">Homepage</a>
29 <a class="navbar-brand ms-auto">Logged in as <?php
30 if
31 ($_SESSION['NomorMember'] == "Guest")
32 echo "Guest";
33 else
34 echo
35 GetNama($conn, $_SESSION['NomorMember'])->nama_member; ?></a>
36 <button class="navbar-toggler" type="button" data-bs-
37 toggle="collapse" data-bs-target="#navbarSupportedContent" aria-
38 controls="navbarSupportedContent" aria-expanded="false" aria-
39 label="Toggle navigation">
40 <span class="navbar-toggler-icon"></span>
41 </button>
42 <div class="collapse navbar-collapse"
43 id="navbarSupportedContent">
44 <ul class="navbar-nav me-auto mb-2 mb-lg-0">
45 <li class="nav-item">
46 <a class="nav-link active" aria-current="page"
47 href="#">Home</a>
48 </li>
49 <li><a class="nav-link" href="Buku.php">Buku</a></li>
50 <li><a class="nav-link" href="Member.php">Member</a></li>
51 <li><a class="nav-link"
52 href="Peminjaman.php">Peminjaman</a></li>
53 <li><a class="nav-link" href="FormLogin.php">Log
54 Out</a></li>
55 </ul>
56 </div>
57 </div>
58 </nav>
59 <div class="position-absolute top-50 start-50 translate-middle">
60 <h2 class="">Database Perpustakaan</h2>
61 </div>
62
63 <script src="https://cdn.jsdelivrivr.net/npm/bootstrap@5.2.0-
64 beta1/dist/js/bootstrap.bundle.min.js" integrity="sha384-
65 pprn3073KE6tl6bjs2QrFaJGz5/SUsLqktiwsUTF55Jfv3qYSDhgCecCxMW52nD2"
66 crossorigin="anonymous"></script>
67 </body>
68
69 </html>

```

B. Pembahasan

Digunakan untuk menampilkan halaman index.php yang berisikan tab navigasi dan nama user saat ini.

10. FormLogin.php

A. Source Code

```
1  <?php
2  session_start();
3  $loginStatus = null;
4
5  require 'Koneksi.php';
6  require 'Login.php';
7
8  $_SESSION['NomorMember'] = "Guest";
9
10 if (isset($_GET['Login'])) {
11     $loginStatus = $_GET['Login'];
12 }
13
14 if (!empty($_POST['password']) && !empty($_POST['nomorMember'])) {
15     $_SESSION['NomorMember'] = $_POST['nomorMember'];
16     $_SESSION['Password'] = $_POST['password'];
17     CekSession($_SESSION['Password'], GetPassword($conn,
18 $_SESSION['NomorMember']->password_member);
19 }
20
21
22
23 ?>
24
25 <!doctype html>
26 <html lang="en">
27
28 <head>
29     <meta charset="utf-8">
30     <meta name="viewport" content="width=device-width, initial-
31 scale=1">
32     <title>Form Login</title>
33     <link href="https://cdn.jsdelivrivr.net/npm/bootstrap@5.2.0-
34 betal/dist/css/bootstrap.min.css" rel="stylesheet"
35 integrity="sha384-
36 0evHe/X+R7YkIZDRvuzKMRqM+OrBnVFBL6DOitfPri4tjfhXaWutUpFmBp4vmVor"
37 crossorigin="anonymous">
38 </head>
39
40 <body>
41
42     <section class="vh-100 gradient-custom">
43         <div class="container py-5 h-100">
44             <div class="row d-flex justify-content-center align-items-
45 center h-100">
46                 <div class="col-12 col-md-8 col-lg-6 col-xl-5">
```

```

48         <div class="card bg-dark text-white" style="border-radius:
49 1rem;">
50             <div class="card-body p-5 text-center">
51                 <div class="mb-md-5 mt-md-4 pb-5">
52                     <h2 class="fw-bold mb-2 text-uppercase">Login</h2>
53                     <p class="text-white-50 mb-5">Mohon masukkan nomor
54 member dan password anda</p>
55                     <form method="post">
56                         <div class="form-outline form-white mb-4">
57                             <label class="form-label" for="typeEmailX">Nomor
58 Member</label>
59                             <input type="text" id="typeEmailX" class="form-
60 control form-control-lg" name="nomorMember" required />
61                         </div>
62                         <div class="form-outline form-white mb-4">
63                             <label class="form-label"
64 for="typePasswordX">Password</label>
65                             <input type="password" id="typePasswordX"
66 class="form-control form-control-lg" name="password" required />
67                         </div>
68                         <p class="mb-5 pb-lg-2"><a class="text-white-50"
69 href="index.php">Login As Guest</a></p>
70                         <?php if ($loginStatus == "Invalid") : ?>
71                             <p class="fw-bold text-danger">Data yang
72 dimasukkan tidak valid</p>
73                         <?php endif; ?>
74                         <button class="btn btn-outline-light btn-lg px-5"
75 type="submit" name="login">Login</button>
76                     </div>
77                 </form>
78             </div>
79         </div>
80     </div>
81 </div>
82 </div>
83 </div>
84 </div>
85 </div>
86 </div>
87 </div>
88 </section>
89
90     <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-
91 beta1/dist/js/bootstrap.bundle.min.js" integrity="sha384-
92 pprn3073KE6t16bjs2QrFaJGz5/SUsLqktiwsUTF55Jfv3qYSDhgCecCxMW52nD2"
93 crossorigin="anonymous"></script>
94 </body>
95
96 </html>

```

B. Pembahasan

Digunakan untuk menampilkan form login.

Pada line [2] adalah untuk memulai session.

Pada line [8] adalah untuk memasukkan nilai guest ke dalam session 'NomorMember'

Pada line [10] adalah untuk memasukan nilai status login dan nantinya akan dicek status login tersebut apakah nanti valid.

Pada line [14] – [19] mengambil data pada form dan memasukan nya ke dalam session, juga memanggil fungsi CekSession yang membandingkan antara password yang dipakai untuk login dengan password yang ada di database.

Perintah html untuk menampilkan halaman.

11. Login.php

A. Source Code

```
1  <?php
2  function CekSession($password, $passForm)
3  {
4      if ($password == $passForm)
5          header('Location: index.php');
6      else
7          header('Location: FormLogin.php?Login=Invalid');
8      exit();
9  }
10
11 function GetPassword($pdo, $nomor_member)
12 {
13     $sql = "SELECT password_member FROM member WHERE nomor_member =
14 $nomor_member";
15     $statement = $pdo->prepare($sql);
16     $statement->execute();
17     $member = $statement->fetch(PDO::FETCH_OBJ);
18     $pdo = null;
19     return $member;
20 }
```

B. Pembahasan

Digunakan untuk menyimpan fungsi login

Pada line [2] adalah fungsi cek session yang membandingkan password yang dimasukkan user pada saat login dengan password yang ada di database. Jika sama maka akan diarahkan ke halaman index.php, jika tidak maka akan mendapat status login invalid.

Pada line [11] adalah fungsi mengambil password (dipanggil untuk dibandingkan pada fungsi cek session nantinya) pada database berdasarkan nomor member yang dimasukkan pada halaman form login.

12. ErrorPage.php

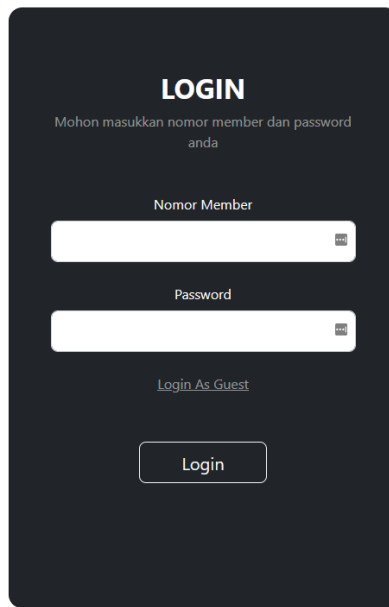
A. Source Code

```
1 <!doctype html>
2 <html lang="en">
3
4 <head>
5   <meta charset="utf-8">
6   <meta name="viewport" content="width=device-width, initial-
7   scale=1">
8   <title>Perpustakaan</title>
9   <link href="https://cdn.jsdelivrivr.net/npm/bootstrap@5.2.0-
10  beta1/dist/css/bootstrap.min.css" rel="stylesheet"
11  integrity="sha384-
12  0evHe/X+R7YkIZDRvuzKMRqM+OrBnVFBL6DOitfPri4tjfhXaWutUpFmBp4vmVor"
13  crossorigin="anonymous">
14 </head>
15
16 <body>
17   <nav class="navbar navbar navbar-inverse bg-secondary bg-opacity-
18   25">
19     <div class="container-fluid">
20       <a class="navbar-brand" href="#">Perpustakaan</a>
21     </div>
22   </nav>
23   <div class="position-absolute top-50 start-50 translate-middle
24   text-center">
25     <h2 class="">Guest user tidak memiliki akses untuk melihat
26     data</h2>
27     <a href='FormLogin.php'><button class="btn btn-primary text-
28     white">Form Login</button></a>
29   </div>
30
31   <script src="https://cdn.jsdelivrivr.net/npm/bootstrap@5.2.0-
32  beta1/dist/js/bootstrap.bundle.min.js" integrity="sha384-
33  pprn3073KE6tl6bjs2QrFaJGz5/SUsLqktiwsUTF55Jfv3qYSDhgCecCxMW52nD2"
34  crossorigin="anonymous"></script>
35 </body>
36
37 </html>
```

B. Pembahasan

Digunakan untuk menampilkan error ketika mengakses data tabel sebagai user guest.

13. Screenshot Hasil



LOGIN

Mohon masukkan nomor member dan password anda

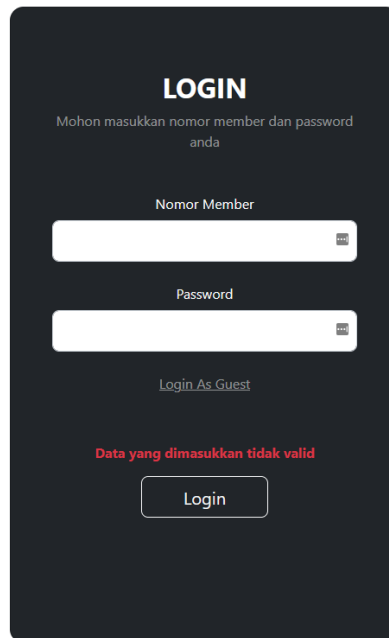
Nomor Member

Password

[Login As Guest](#)

Login

Gambar 1. Tampilan FormLogin.php



LOGIN

Mohon masukkan nomor member dan password anda

Nomor Member

Password

[Login As Guest](#)

Data yang dimasukkan tidak valid

Login

Gambar 2. Tampilan jika data login tidak valid

Database Perpustakaan

Gambar 3. Tampilan index.php

Database Perpustakaan

Gambar 4. Tampilan bar navigasi

Data Member						
Tambah Data						
Nama Member	Nomor Member	Password Member	Alamat	Tanggal Mendaftar	Tanggal Terakhir Bayar	Aksi
Dimas	24	member24	Jl. Bapaknya Dimas No. 24	2022-05-19 04:44:00	2022-05-31	Edit Delete

Gambar 5. Tampilan tabel member

Perpustakaan

Guest user tidak memiliki akses untuk melihat data

[Form Login](#)

Gambar 6. Tampilan ErrorPage.php

Tautan Git

https://github.com/FollowID/Praktikum_Web/tree/main/Modul6