

POST TEST

Disusun untuk Memenuhi Matakuliah Workshop Pemrograman Web

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Kelas : 1-D3 IT A

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Departemen Teknik Informatika dan Komputer
Program Studi Teknik Informatika

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➤ Database

Tabel Users

#	Nama	Jenis	Penyortiran	Atribut	Tak Ternilai	Bawaan	Komentar	Ekstra	Tindakan
<input type="checkbox"/>	1	id 	int		Tidak	Tidak ada		AUTO_INCREMENT	 Ubah  Hapus Lainnya
<input type="checkbox"/>	2	name	varchar(255)	utf8mb4_0900_ai_ci	Tidak	Tidak ada			 Ubah  Hapus Lainnya
<input type="checkbox"/>	3	email 	varchar(255)	utf8mb4_0900_ai_ci	Tidak	Tidak ada			 Ubah  Hapus Lainnya
<input type="checkbox"/>	4	password	varchar(255)	utf8mb4_0900_ai_ci	Tidak	Tidak ada			 Ubah  Hapus Lainnya
<input type="checkbox"/>	5	role	enum('dosen', 'mahasiswa')	utf8mb4_0900_ai_ci	Tidak	Tidak ada			 Ubah  Hapus Lainnya
<input type="checkbox"/>	6	created_at	timestamp		Ya	CURRENT_TIMESTAMP		DEFAULT_GENERATED	 Ubah  Hapus Lainnya

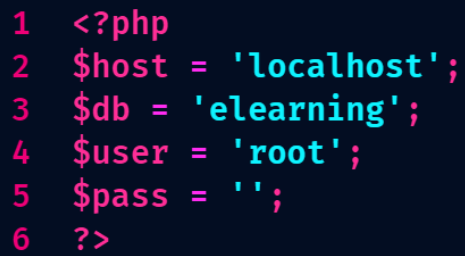
Tabel Nilai

#	Nama	Jenis	Penyortiran	Atribut	Tak Ternilai	Bawaan	Komentar	Ekstra	Tindakan
<input type="checkbox"/>	1	id 	int		Tidak	Tidak ada		AUTO_INCREMENT	 Ubah  Hapus Lainnya
<input type="checkbox"/>	2	mahasiswa_id 	int		Tidak	Tidak ada			 Ubah  Hapus Lainnya
<input type="checkbox"/>	3	dosen_id 	int		Tidak	Tidak ada			 Ubah  Hapus Lainnya
<input type="checkbox"/>	4	nilai	int		Tidak	Tidak ada			 Ubah  Hapus Lainnya
<input type="checkbox"/>	5	created_at	timestamp		Ya	CURRENT_TIMESTAMP		DEFAULT_GENERATED	 Ubah  Hapus Lainnya

Tabel File

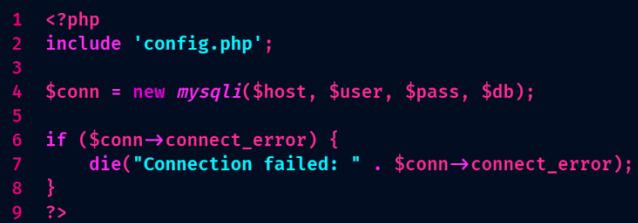
#	Nama	Jenis	Penyortiran	Atribut	Tak Ternilai	Bawaan	Komentar	Ekstra	Tindakan
<input type="checkbox"/>	1	id 	int		Tidak	Tidak ada		AUTO_INCREMENT	 Ubah  Hapus Lainnya
<input type="checkbox"/>	2	user_id 	int		Tidak	Tidak ada			 Ubah  Hapus Lainnya
<input type="checkbox"/>	3	file_path	varchar(255)	utf8mb4_0900_ai_ci	Tidak	Tidak ada			 Ubah  Hapus Lainnya
<input type="checkbox"/>	4	created_at	timestamp		Ya	CURRENT_TIMESTAMP		DEFAULT_GENERATED	 Ubah  Hapus Lainnya

➤ Source Code
Config.php



```
1 <?php
2 $host = 'localhost';
3 $db = 'elearning';
4 $user = 'root';
5 $pass = '';
6 ?>
```

Db.php



```
1 <?php
2 include 'config.php';
3
4 $conn = new mysqli($host, $user, $pass, $db);
5
6 if ($conn->connect_error) {
7     die("Connection failed: " . $conn->connect_error);
8 }
9 ?>
```

Login.php

```
1 <?php
2 include 'db.php';
3 session_start();
4
5 if ($_SERVER['REQUEST_METHOD'] == 'POST') {
6     $email = $_POST['email'];
7     $password = $_POST['password'];
8
9     $sql = "SELECT * FROM users WHERE email='$email'";
10    $result = $conn->query($sql);
11
12    if ($result->num_rows > 0) {
13        $row = $result->fetch_assoc();
14        if (password_verify($password, $row['password'])) {
15            $_SESSION['user_id'] = $row['id'];
16            $_SESSION['role'] = $row['role'];
17            header('Location: dashboard.php');
18        } else {
19            echo "Invalid password";
20        }
21    } else {
22        echo "No user found with that email";
23    }
24 }
25 ?>
26
27 <!DOCTYPE html>
28 <html>
29 <head>
30     <title>Login</title>
31     <link rel="stylesheet" type="text/css" href="css/styles.css">
32 </head>
33 <body>
34     <div class="header">
35         <h1>Login</h1>
36     </div>
37     <div class="form-container">
38         <form action="login.php" method="post">
39             <label for="email">Email:</label>
40             <input type="email" id="email" name="email" required><br>
41             <label for="password">Password:</label>
42             <input type="password" id="password" name="password" required><br>
43             <button class="btn-logres" type="submit">Login</button>
44             <p>Belum punya akun sebagai Mahasiswa/Dosen? Silahkan <a href="register.php">Register</a></p>
45         </form>
46     </div>
47 </body>
48 </html>
```

Register.php

```
1 <?php
2 include 'db.php';
3
4 if ($_SERVER['REQUEST_METHOD'] == 'POST') {
5     $name = $_POST['name'];
6     $email = $_POST['email'];
7     $password = password_hash($_POST['password'], PASSWORD_DEFAULT);
8     $role = $_POST['role'];
9
10    $sql = "INSERT INTO users (name, email, password, role) VALUES ('$name', '$email', '$password', '$role')";
11    if ($conn->query($sql) === TRUE) {
12        echo "Registration successful";
13    } else {
14        echo "Error: " . $sql . "<br>" . $conn->error;
15    }
16 }
17 ?>
18
19 <!DOCTYPE html>
20 <html>
21 <head>
22     <title>Register</title>
23     <link rel="stylesheet" type="text/css" href="css/styles.css">
24 </head>
25 <body>
26     <div class="header">
27         <h1>Register</h1>
28     </div>
29     <div class="form-container">
30         <form action="register.php" method="post">
31             <label for="name">Name:</label>
32             <input type="text" id="name" name="name" required><br>
33             <label for="email">Email:</label>
34             <input type="email" id="email" name="email" required><br>
35             <label for="password">Password:</label>
36             <input type="password" id="password" name="password" required><br>
37             <label for="role">Role:</label>
38             <select id="role" name="role" required>
39                 <option value="dosen">Dosen</option>
40                 <option value="mahasiswa">Mahasiswa</option>
41             </select><br>
42             <button type="submit" class="btn-logres">Register</button>
43             <p>Sudah punya akun sebagai Mahasiswa/Dosen? Silahkan <a href="login.php">Login</a></p>
44         </form>
45     </div>
46 </body>
47 </html>
```

Dashboard.php

```
1 <?php
2 session_start();
3 if (!isset($_SESSION['user_id'])) {
4     header('Location: login.php');
5     exit;
6 }
7
8 include 'db.php';
9
10 $user_id = $_SESSION['user_id'];
11 $role = $_SESSION['role'];
12 ?>
13
14 <!DOCTYPE html>
15 <html>
16
17 <head>
18 <title>Dashboard</title>
19 <link rel="stylesheet" type="text/css" href="css/styles.css">
20 </head>
21
22 <body>
23 <div class="header">
24 <h1>Dashboard</h1>
25 </div>
26 <div class="container">
27 <?php if ($role == 'mahasiswa') : ?>
28 <center><a href="upload.php"><button class="btn-grad">Upload Dokumen</button></a></center>
29 <?php elseif ($role == 'dosen') : ?>
30 <ul class="mahasiswa-list">
31 <?php
32 $sql = "SELECT * FROM users WHERE role='mahasiswa'";
33 $result = $conn->query($sql);
34
35 while ($row = $result->fetch_assoc()) : ?>
36 <li class="mahasiswa-item">
37 <p>Nama: <?php echo $row['name']; ?></p>
38 <form action="nilai.php" method="post">
39 <input type="hidden" name="mahasiswa_id" value="<?php echo $row['id']; ?>">
40 <label for="nilai">Nilai:</label>
41 <input type="number" id="nilai" name="nilai" required><br>
42 <input type="submit" value="Berikan Nilai">
43 </form>
44 </li>
45 <?php endwhile; ?>
46 </ul>
47 <?php endif; ?>
48 <br>
49 <center><a href="logout.php"><button class="btn-grid">Logout</button></a></center>
50 </div>
51 </body>
52
53 </html>
```

Nilai.php

```
1 <?php
2 session_start();
3 if (!isset($_SESSION['user_id']) || $_SESSION['role'] != 'dosen') {
4     header('Location: login.php');
5     exit;
6 }
7
8 include 'db.php';
9
10 if ($_SERVER['REQUEST_METHOD'] == 'POST') {
11     $mahasiswa_id = $_POST['mahasiswa_id'];
12     $nilai = $_POST['nilai'];
13     $dosen_id = $_SESSION['user_id']; // Mendapatkan dosen_id dari session
14
15     $sql = "INSERT INTO nilai (mahasiswa_id, nilai, dosen_id) VALUES ('$mahasiswa_id', '$nilai', '$dosen_id') ON DUPLICATE KEY UPDATE nilai='$nilai', dosen_id='$dosen_id'";
16     if ($conn->query($sql) === TRUE) {
17         echo "Nilai berhasil diberikan";
18     } else {
19         echo "Error: " . $sql . "<br>" . $conn->error;
20     }
21 }
22 ?>
23 <a href="logout.php">Logout</a>
```

Logout.php

```
1 <?php
2 session_start();
3 session_destroy();
4 header('Location: login.php');
5 ?>
```

Css

```
1 body {
2   font-family: Arial, sans-serif;
3   background-color: #f4f4f4;
4   margin: 0;
5   padding: 0;
6 }
7
8 .btn-grad {
9   background-image: linear-gradient(to right, #77A1D3 0%, #79BCBA 51%, #77A1D3 100%);
10  margin: 10px;
11  padding: 15px 45px;
12  text-align: center;
13  text-transform: uppercase;
14  transition: 0.5s;
15  background-size: 200% auto;
16  color: white;
17  box-shadow: 0 0 20px #eee;
18  border-radius: 10px;
19  display: block;
20 }
21
22 .btn-grad:hover {
23   background-position: right center;
24   /* change the direction of the change here */
25   color: #fff;
26   text-decoration: none;
27 }
28
29
30 .btn-grid {
31   background-image: linear-gradient(to right, #D31027 0%, #EA364D 51%, #D31027 100%);
32   margin: 10px;
33   padding: 15px 45px;
34   text-align: center;
35   text-transform: uppercase;
36   transition: 0.5s;
37   background-size: 200% auto;
38   color: white;
39   box-shadow: 0 0 20px #eee;
40   border-radius: 10px;
41   display: block;
42 }
43
44 .btn-grid:hover {
45   background-position: right center;
46   /* change the direction of the change here */
47   color: #fff;
48   text-decoration: none;
49 }
50
51 .header {
52   background-color: #4caf50;
53   color: white;
54   padding: 15px 10px;
55   text-align: center;
56 }
57
58 .container {
59   margin: 20px auto;
60   padding: 20px;
61   max-width: 800px;
62   background-color: white;
63   box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
64 }
65
66 a {
67   text-decoration: none;
68   color: #4caf50;
69   font-weight: bold;
70 }
71
72 a:hover {
73   text-decoration: underline;
74 }
75
76 form {
77   margin: 20px 0;
78 }
79
80 form label {
81   display: block;
82   margin-bottom: 5px;
83 }
84
85 form input[type="number"],
86 form input[type="submit"] {
87   padding: 10px;
88   margin: 5px 0;
89   width: 100%;
90   max-width: 200px;
91   box-sizing: border-box;
92 }
93
94 form input[type="submit"] {
95   background-color: #4caf50;
96   color: white;
97   border: none;
98   cursor: pointer;
99 }
```

```

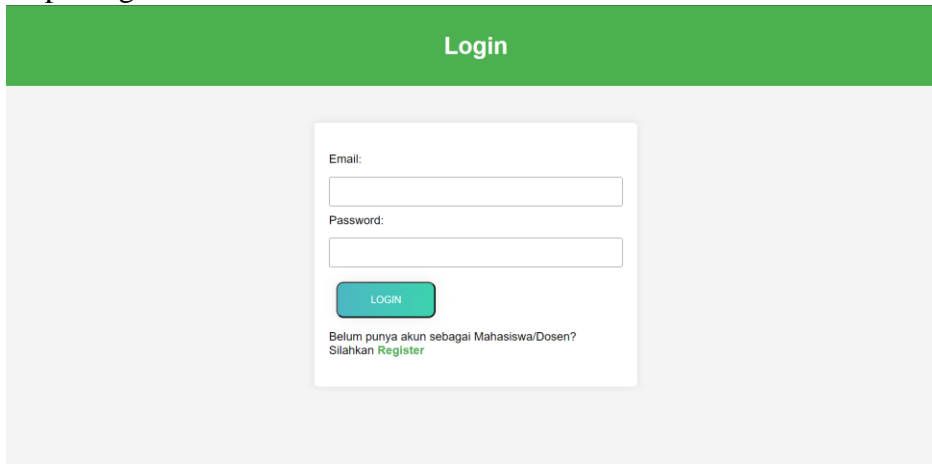
1 form input[type="submit"]:hover {
2   background-color: #45a049;
3 }
4
5 .mahasiswa-list {
6   list-style: none;
7   padding: 0;
8 }
9
10 .mahasiswa-item {
11   background-color: #f9f9f9;
12   margin: 10px 0;
13   padding: 15px;
14   border: 1px solid #ddd;
15 }
16
17 /* Style untuk login dan register */
18 .form-container {
19   max-width: 400px;
20   margin: 50px auto;
21   padding: 20px;
22   background-color: white;
23   box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
24   border-radius: 5px;
25 }
26
27 form input[type="text"],
28 form input[type="email"],
29 form input[type="password"],
30 form select {
31   padding: 10px;
32   margin: 10px 0;
33   width: 100%;
34   box-sizing: border-box;
35 }
36
37 form input[type="submit"] {
38   padding: 10px;
39   background-color: #4caf50;
40   color: white;
41   border: none;
42   cursor: pointer;
43 }
44
45 form input[type="submit"]:hover {
46   background-color: #45a049;
47 }
48
49 .btn-logres {
50   background-image: linear-gradient(
51     to right,
52     #4cb8c4 0%,
53     #3cd3ad 51%,
54     #4cb8c4 100%
55   );
56   margin: 10px;
57   padding: 15px 45px;
58   text-align: center;
59   text-transform: uppercase;
60   transition: 0.5s;
61   background-size: 200% auto;
62   color: white;
63   box-shadow: 0 0 20px #eee;
64   border-radius: 10px;
65   display: block;
66 }
67
68 .btn-logres:hover {
69   background-position: right center; /* change the direction of the change here */
70   color: #fff;
71   text-decoration: none;
72 }
73
74 /* Style untuk form upload */
75 .upload-container {
76   max-width: 400px;
77   margin: 50px auto;
78   padding: 20px;
79   background-color: white;
80   box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
81   border-radius: 5px;
82 }
83
84 form input[type="file"] {
85   padding: 10px;
86   margin: 10px 0;
87   width: 100%;
88   box-sizing: border-box;
89 }
90
91 .btn-up {
92   background-image: linear-gradient(
93     to right,
94     #1d976c 0%,
95     #93f9b9 51%,
96     #1d976c 100%
97   );
98   margin: 10px;
99   padding: 15px 45px;
100   text-align: center;
101   text-transform: uppercase;
102   transition: 0.5s;
103   background-size: 200% auto;
104   color: white;
105   box-shadow: 0 0 20px #eee;
106   border-radius: 10px;
107   display: block;
108 }

```



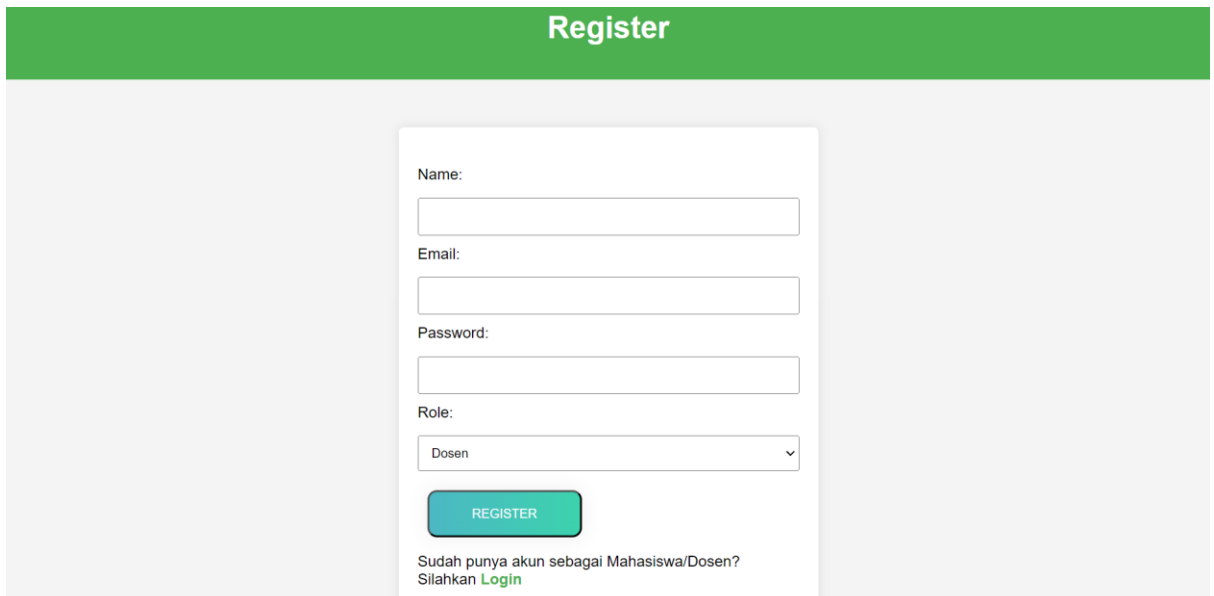
```
1  .btn-up:hover {
2    background-position: right center; /* change the direction of the change here */
3    color: #fff;
4    text-decoration: none;
5  }
6
7  .nilai-container {
8    max-width: 600px;
9    margin: 50px auto;
10   padding: 20px;
11   background-color: white;
12   box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
13   border-radius: 5px;
14 }
15
16 form input[type="number"],
17 form input[type="submit"] {
18   padding: 10px;
19   margin: 10px 0;
20   width: 100%;
21   box-sizing: border-box;
22 }
23
24 form input[type="submit"] {
25   background-color: #4CAF50;
26   color: white;
27   border: none;
28   cursor: pointer;
29 }
30
31 form input[type="submit"]:hover {
32   background-color: #45a049;
33 }
```

➤ Output
Output login



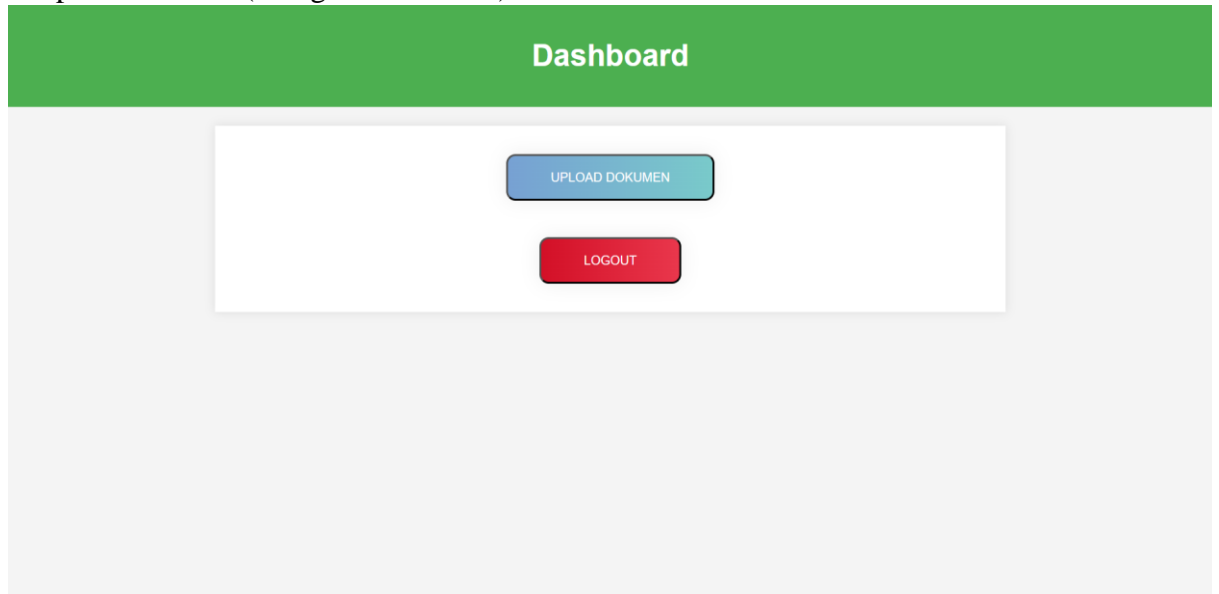
The screenshot shows a web page with a green header bar containing the word "Login" in white. Below the header is a light gray background. In the center, there is a white rectangular form. Inside the form, there are two input fields: the first is labeled "Email:" and the second is labeled "Password:". Below these fields is a green button with the text "LOGIN" in white. At the bottom of the form, there is a line of text that reads "Belum punya akun sebagai Mahasiswa/Dosen?" followed by the word "Silahkan" and a green link labeled "Register".

Output register

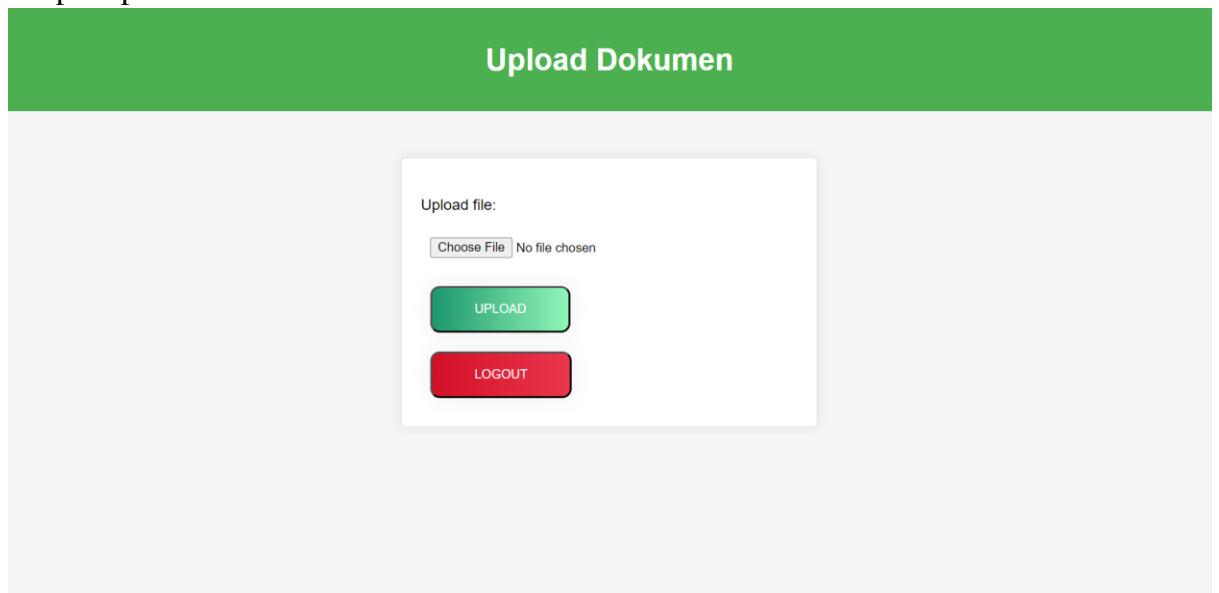


The screenshot shows a web page with a green header bar containing the word "Register" in white. Below the header is a light gray background. In the center, there is a white rectangular form. Inside the form, there are four input fields: the first is labeled "Name:", the second is labeled "Email:", the third is labeled "Password:", and the fourth is labeled "Role:". The "Role:" field is a dropdown menu with "Dosen" selected. Below these fields is a green button with the text "REGISTER" in white. At the bottom of the form, there is a line of text that reads "Sudah punya akun sebagai Mahasiswa/Dosen?" followed by the word "Silahkan" and a green link labeled "Login".

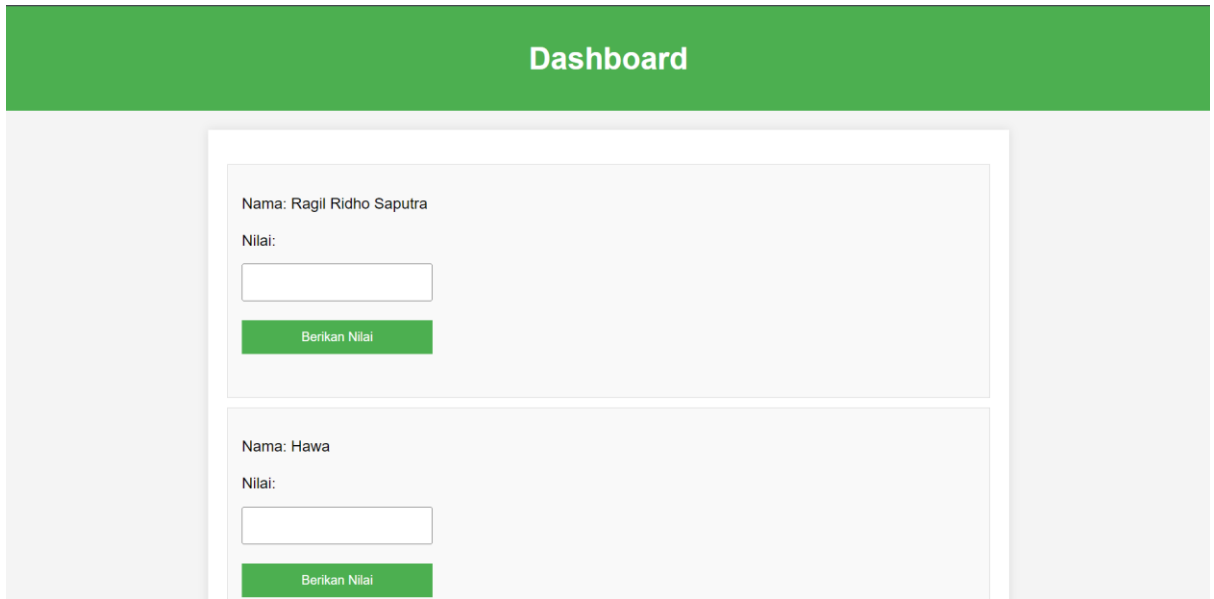
Output Dashboard(sebagai mahasiswa)



Output upload



Output Dashboard(sebagai dosen)



The screenshot shows a web dashboard titled "Dashboard" in a green header. Below the header, there are two identical form panels for grading students. Each panel contains the student's name, a label "Nilai:" followed by an empty text input field, and a green button labeled "Berikan Nilai".

Dashboard

Nama: Ragil Ridho Saputra

Nilai:

Berikan Nilai

Nama: Hawa

Nilai:

Berikan Nilai

➤ Analisa

Program diatas adalah program dimana kita akan membuat sebuah elearning sederhana menggunakan Bahasa php. Yang dimana kita akan membuat 3 tabel yaitu table users yang digunakan untuk menampung data user mahasiswa dan dosen, table nilai untuk menampung nilai yang diberikan oleh dosen, dan table dokumen untuk menyimpan data dokumen yang sudah di upload oleh mahasiswa. Yang dimana alur dari program ini yaitu user akan di arahkan ke login page untuk login, bila belum ada akun, maka user akan di arahkan ke register page. Setelah register, user bisa masuk dengan akun yang sudah di buat. Bila login sebagai mahasiswa, maka user hanya diperbolehkan untuk upload file dan logout. Bila user login sebagai dosen, maka user akan bisa memberikan nilai kepada user mahasiswa yang sudah mengupload file.