

FINAL PROJECT

Disusun untuk Memenuhi Matakuliah Workshop Pemrograman Web

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➤ Database

Tabel Upload

#	Nama	Jenis	Penyortiran	Atribut	Tak Ternilai	Bawaan	Komentar	Ekstra	Tindakan
<input type="checkbox"/>	1 id 	int			Tidak	<i>Tidak ada</i>		AUTO_INCREMENT	 Ubah  Hapus Lainnya
<input type="checkbox"/>	2 user_id 	int			Ya	<i>NULL</i>			 Ubah  Hapus Lainnya
<input type="checkbox"/>	3 filename	varchar(255)	<i>utf8mb4_0900_ai_ci</i>		Ya	<i>NULL</i>			 Ubah  Hapus Lainnya
<input type="checkbox"/>	4 uploaded_at	timestamp			Ya	CURRENT_TIMESTAMP		DEFAULT_GENERATED	 Ubah  Hapus Lainnya
<input type="checkbox"/>	5 grade	int			Ya	<i>NULL</i>			 Ubah  Hapus Lainnya

Tabel User

#	Nama	Jenis	Penyortiran	Atribut	Tak Ternilai	Bawaan	Komentar	Ekstra	Tindakan
<input type="checkbox"/>	1 id 	int			Tidak	<i>Tidak ada</i>		AUTO_INCREMENT	 Ubah  Hapus Lainnya
<input type="checkbox"/>	2 username 	varchar(50)	<i>utf8mb4_0900_ai_ci</i>		Tidak	<i>Tidak ada</i>			 Ubah  Hapus Lainnya
<input type="checkbox"/>	3 password	varchar(255)	<i>utf8mb4_0900_ai_ci</i>		Tidak	<i>Tidak ada</i>			 Ubah  Hapus Lainnya
<input type="checkbox"/>	4 level	enum('Dosen', 'Mahasiswa')	<i>utf8mb4_0900_ai_ci</i>		Tidak	<i>Tidak ada</i>			 Ubah  Hapus Lainnya

➤ Source Code Config.php

```
1 <?php
2 $servername = "localhost";
3 $username = "root";
4 $password = "";
5 $dbname = "e-learning";
6
7 $conn = new mysqli($servername, $username, $password, $dbname);
8
9 if ($conn->connect_error) {
10     die("Connection failed: " . $conn->connect_error);
11 }
12 ?>
13
```

Auth.php

```
1 <?php
2 session_start();
3 include '../db/config.php';
4
5 if (!function_exists('register')) {
6     function register($username, $password, $level) {
7         global $conn;
8         $password = password_hash($password, PASSWORD_BCRYPT);
9         $stmt = $conn->prepare("INSERT INTO users (username, password, level) VALUES (?, ?, ?)");
10         $stmt->bind_param("sss", $username, $password, $level);
11         return $stmt->execute();
12     }
13 }
14
15 if (!function_exists('login')) {
16     function login($username, $password) {
17         global $conn;
18         $stmt = $conn->prepare("SELECT * FROM users WHERE username = ?");
19         $stmt->bind_param("s", $username);
20         $stmt->execute();
21         $result = $stmt->get_result();
22         if ($result->num_rows == 1) {
23             $user = $result->fetch_assoc();
24             if (password_verify($password, $user['password'])) {
25                 $_SESSION['user'] = $user;
26                 return true;
27             }
28         }
29         return false;
30     }
31 }
32
33 function getUploads() {
34     global $conn;
35     $stmt = $conn->prepare("SELECT uploads.id, users.username, uploads.filename, uploads.grade FROM uploads JOIN users ON uploads.user_id = users.id WHERE users.level = 'Mahasiswa'");
36     $stmt->execute();
37     return $stmt->get_result();
38 }
39
40 function updateGrade($uploadId, $grade) {
41     global $conn;
42     $stmt = $conn->prepare("UPDATE uploads SET grade = ? WHERE id = ?");
43     $stmt->bind_param("ii", $grade, $uploadId);
44     return $stmt->execute();
45 }
46
47 if (!function_exists('isLoggedIn')) {
48     function isLoggedIn() {
49         return isset($_SESSION['user']);
50     }
51 }
52
53 if (!function_exists('logout')) {
54     function logout() {
55         session_destroy();
56         unset($_SESSION['user']);
57     }
58 }
59
60 if (!function_exists('getUserLevel')) {
61     function getUserLevel() {
62         return $_SESSION['user']['level'];
63     }
64 }
65 }
66 ?>
67
```

Upload.php

```
1 <?php
2 function uploadDocument($user_id, $file) {
3     global $conn;
4     $target_dir = "../uploads/";
5     $target_file = $target_dir . basename($file["name"]);
6     if (move_uploaded_file($file["tmp_name"], $target_file)) {
7         $stmt = $conn->prepare("INSERT INTO uploads (user_id, filename) VALUES (?, ?)");
8         $stmt->bind_param("is", $user_id, $file["name"]);
9         return $stmt->execute();
10    }
11    return false;
12 }
13 ?>
14
```

Header.php

```
1 <?php
2 include_once '../functions/auth.php';
3 ?>
4 <!DOCTYPE html>
5 <html lang="en">
6 <head>
7     <meta charset="UTF-8">
8     <meta name="viewport" content="width=device-width, initial-scale=1.0">
9     <title>e-Learning App</title>
10    <link rel="stylesheet" href="styles.css">
11 </head>
12 <body>
13 <?php if (isLoggedIn()): ?>
14     <nav>
15         <a href="dashboard.php">Dashboard</a>
16         <?php if (getUserLevel() == 'Mahasiswa'): ?>
17             <a href="upload.php">Upload Document</a>
18         <?php elseif (getUserLevel() == 'Dosen'): ?>
19             <a href="grade.php">Grade Students</a>
20         <?php endif; ?>
21         <a href="logout.php">Logout</a>
22     </nav>
23 <?php endif; ?>
24
```

Footer.php

```
1 </body>
2 </html>
```

Login.php

```
1 <?php
2 include '../functions/auth.php';
3
4 if ($_SERVER['REQUEST_METHOD'] == 'POST') {
5     if (login($_POST['username'], $_POST['password'])) {
6         header('Location: dashboard.php');
7     } else {
8         echo "Invalid login credentials";
9     }
10 }
11 ?>
12
13 <?php include_once '../includes/header.php'; ?>
14
15 <div class="container">
16     <h2>Login</h2>
17     <form method="POST">
18         <input type="text" name="username" placeholder="Username" required>
19         <input type="password" name="password" placeholder="Password" required>
20         <button type="submit">Login</button>
21     </form>
22     <p>Belum Punya Akun Dosen/Mahasiswa? Silahkan <a href="register.php">Register</a></p>
23 </div>
24
25 <?php include_once '../includes/footer.php'; ?>
26
```

Register.php

```
1 <?php
2 include '../functions/auth.php';
3
4 if ($_SERVER['REQUEST_METHOD'] == 'POST') {
5     if (register($_POST['username'], $_POST['password'], $_POST['level'])) {
6         header('Location: login.php');
7     } else {
8         echo "Failed to register";
9     }
10 }
11 ?>
12
13 <?php include_once '../includes/header.php'; ?>
14
15 <div class="container">
16     <h2>Register</h2>
17     <form method="POST">
18         <input type="text" name="username" placeholder="Username" required>
19         <input type="password" name="password" placeholder="Password" required>
20         <select name="level">
21             <option value="Mahasiswa">Mahasiswa</option>
22             <option value="Dosen">Dosen</option>
23         </select>
24         <button type="submit">Register</button>
25     </form>
26     <p>Sudah Punya Akun Dosen/Mahasiswa? Silahkan <a href="login.php">Login</a></p>
27 </div>
28
29 <?php include_once '../includes/footer.php'; ?>
30
```

Upload.php

```
1  <?php
2  include '../functions/auth.php';
3  include '../functions/upload.php';
4
5  if (!isLoggedIn() || getUserLevel() ≠ 'Mahasiswa') {
6      header('Location: login.php');
7      exit;
8  }
9
10 if ($_SERVER['REQUEST_METHOD'] == 'POST') {
11     if (uploadDocument($_SESSION['user']['id'], $_FILES['document'])) {
12         echo "File uploaded successfully";
13     } else {
14         echo "Failed to upload file";
15     }
16 }
17 ?>
18
19 <?php include_once '../includes/header.php'; ?>
20
21 <div class="container">
22     <h2>Upload Document</h2>
23     <form method="POST" enctype="multipart/form-data">
24         <input type="file" name="document" required>
25         <button type="submit">Upload</button>
26     </form>
27 </div>
28
29 <?php include_once '../includes/footer.php'; ?>
30
```

Dashboard.php

```
1  <?php include '../includes/header.php'; ?>
2
3  <h1>Welcome, <?php echo $_SESSION['user']['username']; ?></h1>
4
5  <?php include '../includes/footer.php'; ?>
6
```

Nilai.php

```
1 <?php
2 include '../functions/auth.php';
3
4 if (!isLoggedIn() || getUserLevel() != 'Dosen') {
5     header('Location: login.php');
6     exit;
7 }
8
9 if ($_SERVER['REQUEST_METHOD'] == 'POST') {
10     if (isset($_POST['upload_id']) && isset($_POST['grade'])) {
11         if (updateGrade($_POST['upload_id'], $_POST['grade'])) {
12             echo "Grade assigned successfully";
13         } else {
14             echo "Failed to assign grade";
15         }
16     }
17 }
18
19 $uploads = getUploads();
20 ?>
21
22 <?php include_once '../includes/header.php'; ?>
23
24 <div class="container">
25     <h2>Grade Student Uploads</h2>
26     <table>
27         <tr>
28             <th>Student</th>
29             <th>File</th>
30             <th>Grade</th>
31             <th>Action</th>
32         </tr>
33         <?php while ($upload = $uploads->fetch_assoc()): ?>
34             <tr>
35                 <td><?php echo $upload['username']; ?></td>
36                 <td><a href=".." /><?php echo $upload['filename']; ?> <?php echo $upload['filename']; ?></td>
37                 <td><?php echo $upload['grade'] == null ? 'Not graded' : $upload['grade']; ?></td>
38                 <td>
39                     <form method="POST" style="display:inline-block;">
40                         <input type="hidden" name="upload_id" value="<?php echo $upload['id']; ?>">
41                         <input type="number" name="grade" placeholder="Grade required">
42                         <button type="submit">Assign Grade</button>
43                     </form>
44                 </td>
45             </tr>
46         <?php endwhile; ?>
47     </table>
48 </div>
49
50 <?php include_once '../includes/footer.php'; ?>
51
```

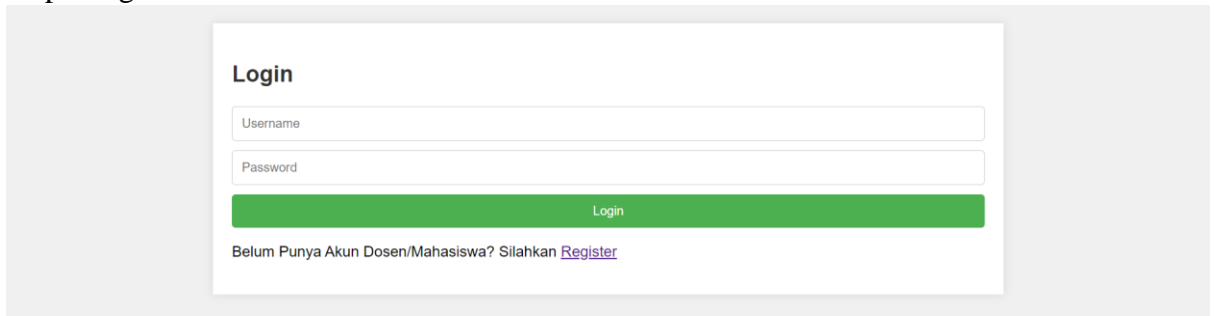
Logout.php

```
1 <?php
2 include '../functions/auth.php';
3 logout();
4 header('Location: login.php');
5 exit;
6 ?>
7
```

Css

```
1  /* styles.css */
2  body {
3      font-family: Arial, sans-serif;
4      background-color: #f0f0f0;
5      margin: 0;
6      padding: 0;
7  }
8
9  header {
10     background-color: #4CAF50;
11     color: white;
12     padding: 10px 0;
13     text-align: center;
14 }
15
16 nav {
17     background-color: #333;
18     overflow: hidden;
19 }
20
21 nav a {
22     float: left;
23     display: block;
24     color: white;
25     text-align: center;
26     padding: 14px 20px;
27     text-decoration: none;
28 }
29
30 nav a:hover {
31     background-color: #ddd;
32     color: black;
33 }
34
35 .container {
36     padding: 20px;
37     max-width: 800px;
38     margin: auto;
39     background-color: white;
40     box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
41     margin-top: 20px;
42 }
43
44 form {
45     display: flex;
46     flex-direction: column;
47 }
48
49 form input[type="text"],
50 form input[type="password"],
51 form input[type="number"],
52 form select {
53     margin-bottom: 10px;
54     padding: 10px;
55     border: 1px solid #ccc;
56     border-radius: 4px;
57 }
58
59 form button {
60     padding: 10px;
61     background-color: #4CAF50;
62     color: white;
63     border: none;
64     border-radius: 4px;
65     cursor: pointer;
66 }
67
68 form button:hover {
69     background-color: #45a049;
70 }
71
72 h1, h2 {
73     color: #333;
74 }
75
76 table {
77     width: 100%;
78     border-collapse: collapse;
79     margin: 20px 0;
80 }
81
82 table, th, td {
83     border: 1px solid #ddd;
84 }
85
86 th, td {
87     padding: 10px;
88     text-align: left;
89 }
90
91 th {
92     background-color: #f2f2f2;
93 }
94
95 tr:nth-child(even) {
96     background-color: #f9f9f9;
97 }
98
```


➤ Output
Output login

A screenshot of a login form titled "Login". It features two input fields: "Username" and "Password". Below these fields is a green button labeled "Login". At the bottom, there is a text link: "Belum Punya Akun Dosen/Mahasiswa? Silahkan [Register](#)".

Login

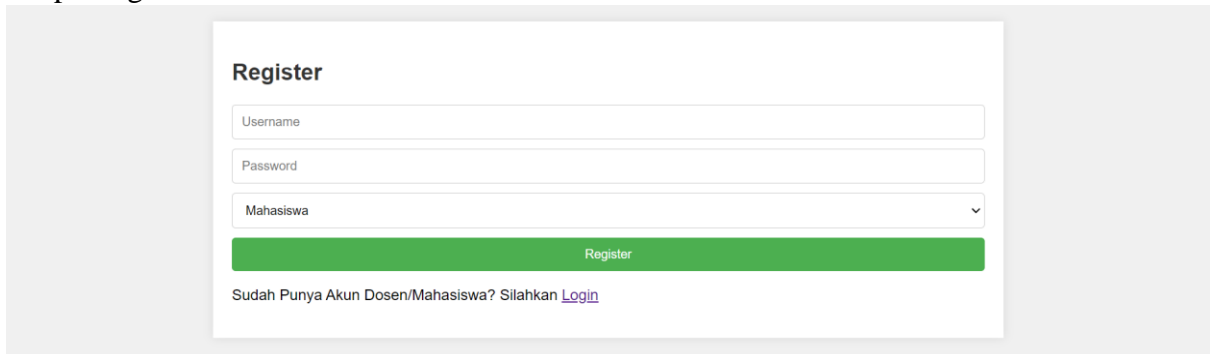
Username

Password

Login

Belum Punya Akun Dosen/Mahasiswa? Silahkan [Register](#)

Output register

A screenshot of a register form titled "Register". It features three input fields: "Username", "Password", and "Mahasiswa" (which is a dropdown menu). Below these fields is a green button labeled "Register". At the bottom, there is a text link: "Sudah Punya Akun Dosen/Mahasiswa? Silahkan [Login](#)".

Register

Username

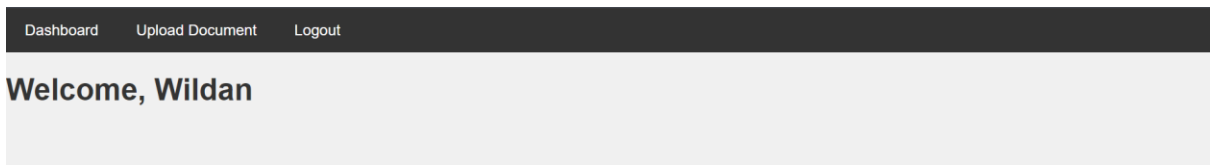
Password

Mahasiswa

Register

Sudah Punya Akun Dosen/Mahasiswa? Silahkan [Login](#)

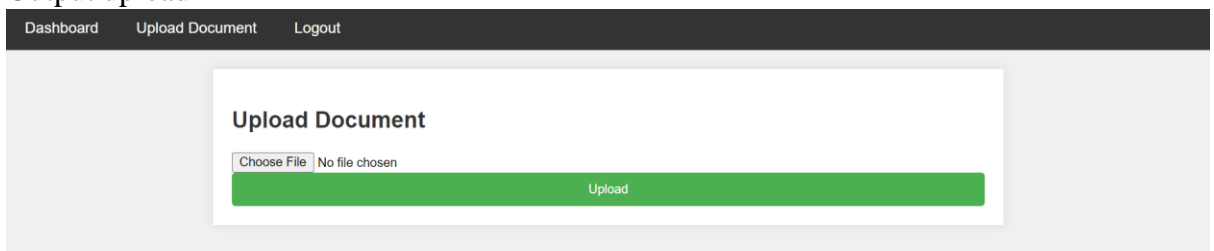
Output Dashboard(sebagai mahasiswa)

A screenshot of the dashboard header. It has a dark navigation bar with links "Dashboard", "Upload Document", and "Logout". Below the navigation bar, the text "Welcome, Wildan" is displayed.

Dashboard Upload Document Logout

Welcome, Wildan

Output upload

A screenshot of the "Upload Document" form. It features a file selection area with a "Choose File" button and the text "No file chosen". Below this is a green button labeled "Upload". The form is titled "Upload Document".

Upload Document

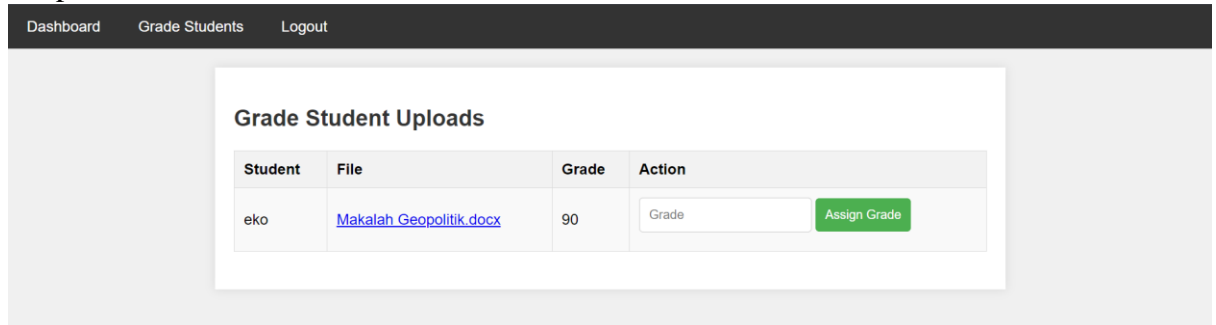
Choose File No file chosen

Upload

Output Dashboard(sebagai dosen)



Output Nilai



➤ Analisa

Program di atas adalah aplikasi e-Learning sederhana berbasis PHP yang mencakup fitur login, pengunggahan file oleh mahasiswa, dan pemberian nilai oleh dosen. Struktur direktori meliputi `functions/` untuk fungsi PHP, `includes/` untuk header dan footer, `public/` untuk halaman utama, `uploads/` untuk menyimpan file yang diunggah, dan `styles.css` untuk gaya konsisten di seluruh halaman. Pengguna dapat mendaftar dan login. Setelah login, mahasiswa dapat mengunggah file, sementara dosen dapat melihat dan menilai file yang diunggah oleh mahasiswa. Fungsi utama termasuk registrasi, login, pengecekan status login, logout, unggahan file, dan pemberian nilai.