

LAPORAN

TUGAS MATA KULIAH
PEMROGRAMAN WEB I
SEMESTER IV



Tugas 7 - Form Login Dan Register

Oleh:

Dicky Irawan

202357201054

PROGRAM STUDI SISTEM INFORMASI
INSTITUT TEKNOLOGI MOJOSARI
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Form

1. Membuat *Form Login* yang berfungsi sebagai halaman autentikasi pengguna untuk mengakses aplikasi.

➤ Source Code Form Login

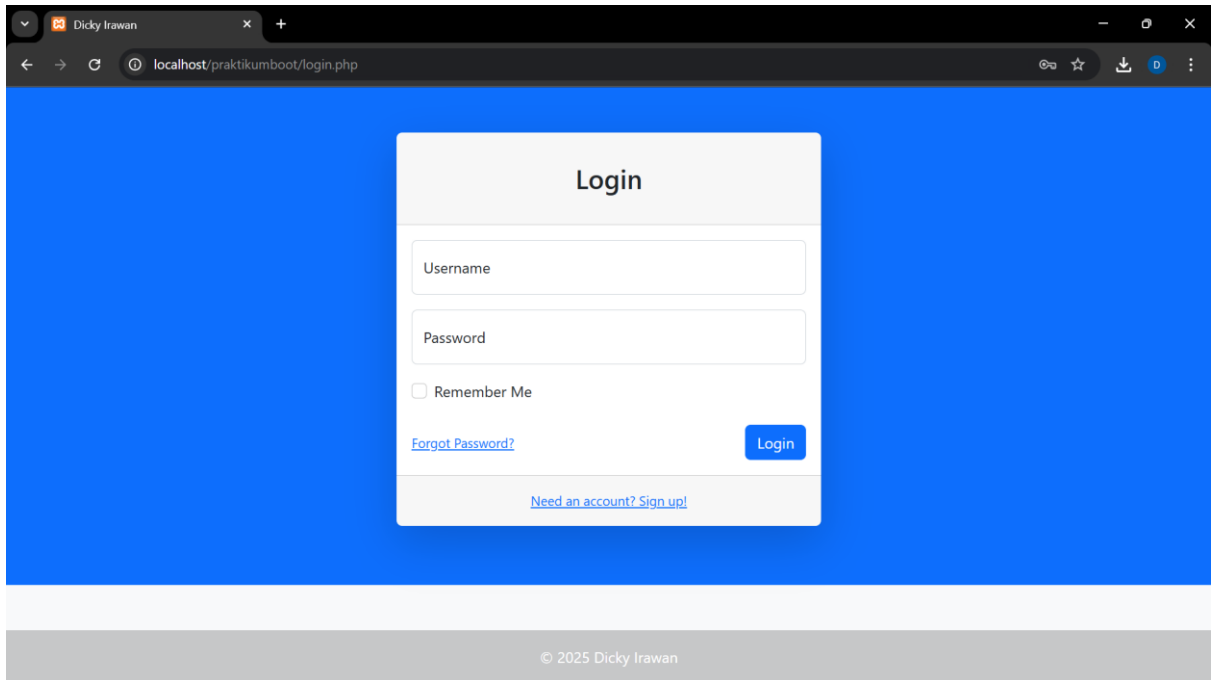
```
login.php
1  <?php
2
3  session_start();
4  $errorMessage = "";
5
6  $user_file = "users.txt";
7
8  if ($_SERVER["REQUEST_METHOD"] == "POST") {
9
10     $username = $_POST['username'];
11     $password = $_POST['password'];
12
13     $username = htmlspecialchars($username);
14     $password = htmlspecialchars($password);
15
16     if (empty($username) && empty($password)) {
17         $errorMessage = "Username dan Password harus diisi!";
18     } elseif (empty($username)) {
19         $errorMessage = "Username harus diisi!";
20     } elseif (empty($password)) {
21         $errorMessage = "Password harus diisi!";
22     } else {
23
24         $users = file($user_file, FILE_IGNORE_NEW_LINES);
25
26         $found = false;
27         foreach ($users as $user) {
28             $user_data = explode(",", $user);
29             if (count($user_data) == 3) {
30                 list($stored_username, $stored_email, $stored_password) = $user_data;
31
32                 if ($stored_username == $username || $stored_email == $username) {
33
34                     if (password_verify($password, $stored_password)) {
35
36                         $_SESSION['login'] = 1;
37                         $_SESSION['username'] = $username;
38                         $_SESSION['password'] = $password;
39                         $found = true;
40
41                         if (isset($_POST['remember']) && $_POST['remember'] == 'on') {
42
43                             setcookie('username', $username, time() + 15, "/");
44                             setcookie('password', $password, time() + 15, "/");
45                         }
46
47                         break;
48                     }
49                 }
50             }
51         }
52     }
53 }
```

```

48         } else {
49             $errorMessage = "Password salah.";
50             break;
51         }
52     }
53 }
54 }
55
56 if ($found) {
57     header("location: process-login.php");
58     exit();
59 } else {
60     $errorMessage = "Username atau Email tidak ditemukan.";
61 }
62 }
63 }
64 }
65 ?>
66
67
68 <!DOCTYPE html>
69 <html lang="en">
70 <head>
71     <meta charset="utf-8" />
72     <meta http-equiv="X-UA-Compatible" content="IE=edge" />
73     <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no" />
74     <meta name="description" content="" />
75     <meta name="author" content="" />
76     <title>Dicki Irawan</title>
77     <link href="css/styles.css" rel="stylesheet" />
78     <script src="https://use.fontawesome.com/releases/v6.3.0/js/all.js" crossorigin="anonymous"></script>
79 </head>
80
81 <body class="bg-primary">
82     <div id="layoutAuthentication">
83         <div id="layoutAuthentication_content">
84             <main>
85                 <div class="container">
86                     <div class="row justify-content-center">
87                         <div class="col-lg-5">
88                             <div class="card shadow-lg border-0 rounded-lg mt-5">
89                                 <div class="card-header">
90                                     <h3 class="text-center font-weight-light my-4">Login</h3>
91                                 </div>
92                                 <div class="card-body">
93                                     <?php if (!empty($errorMessage)): >
94                                         <div class="alert alert-danger" role="alert">
95                                             <?php echo $errorMessage; >
96                                         </div>
97                                     </div>
98                                     <div class="form-floating mb-3">
99                                         <input class="form-control" id="inputEmail" type="text" name="username" placeholder="Username" value="<?php echo isset($_COOKIE['username']) ? $_COOKIE['username'] : ''; >" />
100                                         <label for="inputEmail">Username</label>
101                                     </div>
102                                     <div class="form-floating mb-3">
103                                         <input class="form-control" id="inputPassword" type="password" name="password" placeholder="Password" value="<?php echo isset($_COOKIE['password']) ? $_COOKIE['password'] : ''; >" />
104                                         <label for="inputPassword">Password</label>
105                                     </div>
106                                     <div class="form-check mb-3">
107                                         <input class="form-check-input" id="inputRememberPassword" type="checkbox" name="remember" value="on" <?php echo isset($_COOKIE['username']) ? 'checked' : ''; > />
108                                         <label class="form-check-label" for="inputRememberPassword">Remember Me</label>
109                                     </div>
110                                     <div class="d-flex align-items-center justify-content-between mt-4 mb-0">
111                                         <a class="small" href="password.php">Forgot Password?</a>
112                                         <button type="submit" class="btn btn-primary">Login</button>
113                                     </div>
114                                 </div>
115                                 <div class="card-footer">
116                                     <div class="text-center py-3">
117                                         <div class="small"><a href="register.php">Need an account? Sign up!</a></div>
118                                     </div>
119                                 </div>
120                             </div>
121                         </div>
122                     </div>
123                 </div>
124             </main>
125         </div>
126         <?php include('footer.php'); >
127     </div>
128 </body>
129 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js" crossorigin="anonymous"></script>
130 <script src="js/scripts.js"></script>
131 </html>

```

Hasil Program



The screenshot displays a web browser window with a blue background. In the center is a white login form titled "Login". The form contains the following elements:

- A text input field labeled "Username".
- A text input field labeled "Password".
- A checkbox labeled "Remember Me".
- A blue button labeled "Login".
- A link labeled "Forgot Password?" below the password field.
- A link labeled "Need an account? Sign up!" at the bottom of the form.

The browser's address bar shows the URL "localhost/praktikumboot/login.php". The footer of the page contains the text "© 2025 Dicky Irawan".

Hasil program di atas merupakan halaman Form Login yang menggambarkan tampilan form login untuk autentikasi pengguna. Halaman ini menampilkan form dengan dua kolom input, yaitu **Username** dan **Password**, serta opsi **Remember Me**. Terdapat juga link untuk **Forgot Password?** dan **Need an account? Sign up!** bagi pengguna yang ingin memulihkan kata sandi atau mendaftar akun baru.

Form login ini bertujuan untuk mengautentikasi pengguna yang akan mengakses aplikasi. Setelah pengguna mengisi kolom yang disediakan dan menekan tombol **Login**, sistem akan memeriksa kecocokan username dan password yang dimasukkan.

2. Membuat *Form Register* yang berfungsi untuk mendaftarkan pengguna baru ke dalam sistem.

➤ Source Code Form Register

```
register.php
1  <?php
2
3  session_start();
4  $errorMessage = "";
5  $successMessage = "";
6
7  $user_file = "users.txt";
8
9
10 if (!file_exists($user_file)) {
11     file_put_contents($user_file, "");
12 }
13
14 if ($_SERVER["REQUEST_METHOD"] == "POST") {
15     $username = $_POST['username'];
16     $password = $_POST['password'];
17     $confirm_password = $_POST['confirm_password'];
18     $email = $_POST['email'];
19
20     if (empty($username) || empty($password) || empty($confirm_password) || empty($email)) {
21         $errorMessage = "Semua field harus diisi!";
22     } elseif ($password != $confirm_password) {
23         $errorMessage = "Password dan Confirm Password tidak cocok!";
24     } elseif (strlen($password) < 6) {
25         $errorMessage = "Password harus memiliki minimal 6 karakter!";
26     } elseif (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
27         $errorMessage = "Email tidak valid!";
28     } else {
29
30         $username = htmlspecialchars($username);
31         $password = htmlspecialchars($password);
32         $email = htmlspecialchars($email);
33
34         $users = file($user_file, FILE_IGNORE_NEW_LINES);
35         $user_exists = false;
36
37         foreach ($users as $user) {
38             $user_data = explode(",", $user);
39             if (count($user_data) == 3) {
40                 list($stored_username, $stored_email, $stored_password) = $user_data;
41
42                 if ($stored_username == $username || $stored_email == $email) {
43                     $user_exists = true;
44                     break;
45                 }
46             }
47         }
48     }
49 }
```

```

48         if ($user_exists) {
49             $errorMessage = "Username atau Email sudah terdaftar, pilih username atau email lain!";
50         } else {
51             $hashed_password = password_hash($password, PASSWORD_DEFAULT);
52
53             $user_data = $username . "," . $email . "," . $hashed_password . "\n";
54             file_put_contents($user_file, $user_data, FILE_APPEND);
55
56             $successMessage = "User berhasil didaftarkan! Silakan kembali ke halaman login!";
57         }
58     }
59 }
60 }
61 }
62 }
63
64 <!DOCTYPE html>
65 <html lang="en">
66 <head>
67     <meta charset="UTF-8">
68     <meta http-equiv="X-UA-Compatible" content="IE=edge">
69     <meta name="viewport" content="width=device-width, initial-scale=1.0">
70     <title>Dickey Irawan</title>
71     <link href="css/styles.css" rel="stylesheet" />
72     <script src="https://use.fontawesome.com/releases/v6.3.0/js/all.js" crossorigin="anonymous"></script>
73 </head>
74 <body class="bg-primary">
75     <div id="layoutAuthentication">
76         <div id="layoutAuthentication_content">
77             <main>
78                 <div class="container">
79                     <div class="row justify-content-center">
80                         <div class="col-lg-7">
81                             <div class="card shadow-lg border-0 rounded-lg mt-5">
82                                 <div class="card-header">
83                                     <h3 class="text-center font-weight-light my-4">Create Account</h3>
84                                 </div>
85                                 <div class="card-body">
86
87                                     <?php
88                                     if (!empty($errorMessage)) {
89                                         echo "<div style='color: red;'>$errorMessage</div>";
90                                     }
91                                     if (!empty($successMessage)) {

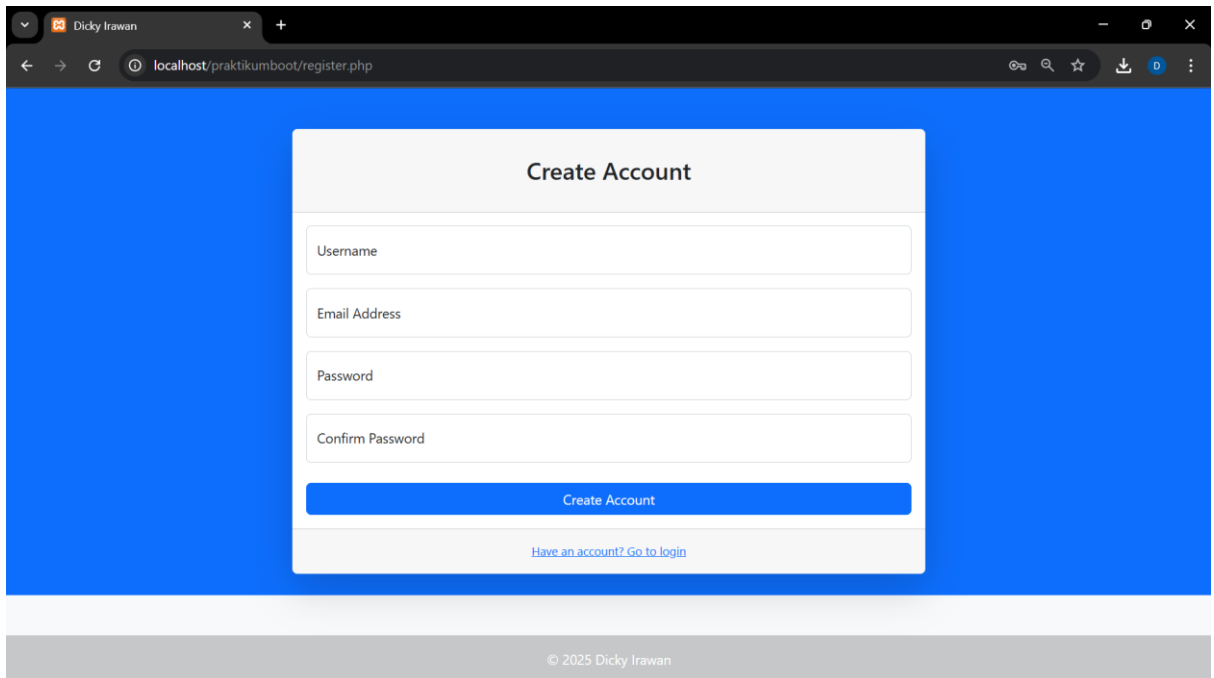
```

```

92                                         echo "<div style='color: green;'>$successMessage</div>";
93                                     }
94                                 </div>
95
96                                 <form action="register.php" method="POST">
97
98                                     <div class="form-floating mb-3">
99                                         <input class="form-control" id="inputUsername" type="text" name="username" placeholder="Username" value="" />
100                                         <label for="inputUsername">Username</label>
101                                     </div>
102
103                                     <div class="form-floating mb-3">
104                                         <input class="form-control" id="inputEmail" type="email" name="email" placeholder="name@example.com" value="" />
105                                         <label for="inputEmail">Email Address</label>
106                                     </div>
107
108                                     <div class="form-floating mb-3">
109                                         <input class="form-control" id="inputPassword" type="password" name="password" placeholder="Create a password" value="" />
110                                         <label for="inputPassword">Password</label>
111                                     </div>
112
113                                     <div class="form-floating mb-3">
114                                         <input class="form-control" id="inputPasswordConfirm" type="password" name="confirm_password" placeholder="Confirm your password" value="" />
115                                         <label for="inputPasswordConfirm">Confirm Password</label>
116                                     </div>
117
118                                     <div class="mt-4 mb-0">
119                                         <div class="d-grid">
120                                             <button type="submit" class="btn btn-primary btn-block">Create Account</button>
121                                         </div>
122                                     </div>
123                                 </form>
124
125                                 <div class="card-footer text-center py-3">
126                                     <div class="small"><a href="login.php">Have an account? Go to login</a></div>
127                                 </div>
128                             </div>
129                         </div>
130                     </div>
131                 </div>
132             </main>
133         </div>
134     </div>
135     <?php include("footer.php"); ?>
136 </div>
137
138 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js" crossorigin="anonymous"></script>
139 <script src="js/scripts.js"></script>
140 </body>
141 </html>

```

Hasil Program



The screenshot displays a web browser window with the address bar showing 'localhost/praktikumboot/register.php'. The page features a 'Create Account' form centered on a blue background. The form is a white rectangle containing four input fields: 'Username', 'Email Address', 'Password', and 'Confirm Password'. Below these fields is a prominent blue button labeled 'Create Account'. At the bottom of the form, there is a link that reads 'Have an account? Go to login'. The footer of the page, visible below the form, contains the copyright notice '© 2025 Dicky Irawan'.

Hasil program di atas merupakan halaman **Form Register** yang menggambarkan tampilan form pendaftaran akun baru. Halaman ini menampilkan form dengan beberapa kolom input, yaitu **Username**, **Email Address**, **Password**, dan **Confirm Password**, serta opsi **Agree to Terms and Conditions**. Terdapat juga link untuk **Already have an account? Login** bagi pengguna yang sudah memiliki akun dan ingin masuk ke halaman login.

Form register ini bertujuan untuk mendaftarkan pengguna baru yang ingin mengakses aplikasi. Setelah pengguna mengisi kolom yang disediakan dan menekan tombol **Create Account**, sistem akan memeriksa kecocokan password dan memastikan semua informasi valid untuk membuat akun baru.