

# Modul Praktikum Pembuatan Sistem Perpustakaan menggunakan CodeIgniter 4 P2

## 1. Pembuatan Login form

- Buatlah controller yang akan menangani proses login. Misalnya dengan nama file "Login.php" pada direktori "App/Controllers":

```
1 namespace App\Controllers;
2
3 use App\Models\UserModel;
4
5 class Login extends BaseController
6 {
7     public function index()
8     {
9         return view('login');
10    }
11
12    public function authenticate()
13    {
14        $userModel = new UserModel();
15        $email = $this->request->getVar('email');
16        $password = $this->request->getVar('password');
17
18        $user = $userModel->where('email', $email)->first();
19
20        if (!$user) {
21            return redirect()->to('/login')->with('error', 'Email tidak ditemukan!');
22        }
23
24        if (!password_verify($password, $user['password'])) {
25            return redirect()->to('/login')->with('error', 'Password salah!');
26        }
27
28        session()->set([
29            'user_id' => $user['id'],
30            'email' => $user['email'],
31            'logged_in' => true
32        ]);
33
34        return redirect()->to('/dashboard');
35    }
36 }
37
```

- Buatlah view untuk halaman login. Misalnya dengan nama file "login.php" pada direktori "App/Views":

```
1  !DOCTYPE html>
2  <html>
3  <head>
4      <title>Login</title>
5      <style>
6          .container {
7              display: flex;
8              justify-content: center;
9              align-items: center;
10             height: 100vh;
11             flex-direction: column;
12         }
13
14         h1 {
15             margin-bottom: 1em;
16         }
17
18         form {
19             display: flex;
20             flex-direction: column;
21             align-items: center;
22             background-color: #f2f2f2;
23             padding: 2em;
24             border-radius: 5px;
25         }
26
27         label {
28             font-size: 1.2em;
29             margin-bottom: 0.5em;
30         }
31
32         input {
33             padding: 0.5em;
34             border-radius: 3px;
35             border: 1px solid #ccc;
36             margin-bottom: 1em;
37             width: 100%;
38             max-width: 300px;
39         }
40
41         button[type="submit"] {
42             padding: 0.5em 1em;
43             border-radius: 5px;
44             background-color: #007bff;
45             color: #fff;
46             border: none;
47             cursor: pointer;
48         }
49
50         button[type="submit"]:hover {
51             background-color: #0069d9;
52         }
53     </style>
```

```

53 </style>
54 </head>
55 <body>
56   <div class="container">
57     <h1>Login</h1>
58     <form id="login-form">
59       <label for="email">Email:</label>
60       <input type="email" id="email" name="email" required>
61       <label for="password">Password:</label>
62       <input type="password" id="password" name="password" required>
63       <button type="submit">Login</button>
64     </form>
65
66     <script>
67       const loginForm = document.getElementById('login-form');
68
69       loginForm.addEventListener('submit', async (e) => {
70         e.preventDefault();
71         const email = document.getElementById('email').value;
72         const password = document.getElementById('password').value;
73
74         const response = await fetch('/login/authenticate', {
75           method: 'POST',
76           headers: {
77             'Content-Type': 'application/json'
78           },
79           body: JSON.stringify({
80             email,
81             password
82           })
83         });
84
85         if (response.ok) {
86           window.location.href = '/dashboard';
87         } else {
88           // handle error
89         }
90       });
91     </script>
92   </div>
93 </body>
94 </html>
95

```

- Buatlah model untuk mengakses tabel user pada database. Misalnya dengan nama file "UserModel.php" pada direktori "App/Models":

```

1 <?php
2

```

```

3 namespace App\Models;
4
5 use CodeIgniter\Model;
6
7 class UserModel extends Model
8 {
9     protected $table = 'admin';
10    protected $primaryKey = 'id';
11    protected $allowedFields = ['email', 'password'];
12    protected $returnType = 'array';
13 }
14

```

- Tambahkan route untuk akses halaman login dan proses autentikasi pada file "Routes.php" pada direktori "App/Config":

```

1 $routes->get('/login', 'Login::index');
2 $routes->post('/login/authenticate', 'Login::authenticate');

```

- Jika berhasil tampilanya akan seperti berikut :

## Login

Email:

Password:



Login