

# Laporan Modul 4: Laravel Blade Template Engine

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**Mata Kuliah:** Workshop Web Lanjut

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## Abstrak

Laporan ini membahas penerapan Blade Template Engine pada framework Laravel, yang berfungsi untuk mengelola tampilan aplikasi web secara efisien dan dinamis. Tujuan dari pembuatan laporan ini adalah untuk mendokumentasikan hasil pembelajaran dan praktik penggunaan Blade Template Engine di Laravel, memahami konsep dasar serta sintaks yang digunakan, dan melatih kemampuan dalam membangun tampilan web yang rapi, terstruktur, dan mudah dikelola menggunakan sistem templating Laravel.

## 1. Dasar Teori

- Blade adalah mesin templating Laravel yang powerful dan sederhana, memungkinkan Anda menulis template yang bersih dan mudah dibaca menggunakan PHP biasa dengan shortcut yang membantu. Fitur Utama:

. Ringan dan cepat . Mendukung inheritance dan components . Menyertakan struktur kontrol seperti @if, @foreach, @include

- peran Sintaks dan Direktif Blade adalah Blade Template Engine menyediakan sintaks yang sederhana dan bersih untuk menulis kode PHP di dalam tampilan Laravel. Melalui sintaks seperti {{ \$name }}, Blade memungkinkan penulisan variabel secara aman karena Laravel akan otomatis menyaring karakter berbahaya untuk mencegah serangan XSS.
  - Blade dan Sections merupakan untuk membuat layout dan section untuk mengatur view yang lebih baik.
  - fungsi Blade Components adalah untuk mempermudah pembuatan tampilan yang terstruktur, efisien, dan dapat digunakan kembali.
  - Fungsi utama Blade Components adalah untuk membuat elemen tampilan yang dapat digunakan kembali (reusable UI components) sehingga kode menjadi lebih rapi, efisien, dan mudah dikelola.
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## 2. Langkah-Langkah Praktikum

Tuliskan langkah-langkah yang sudah dilakukan, sertakan potongan kode dan screenshot hasil.

### 2.1 Praktikum 1 – Meneruskan Data dari Controller ke blade View

1. Buka projec laravel composer yang sudah dibuat dengan nama laravel new modul-4-blade-view cd modul-4-blade-view code. Lalu buat sebuah controller dengan perintah php artisan make:controller

DasarBladeController yang akan membuat App/Http/Controllers DasarBladeController.php

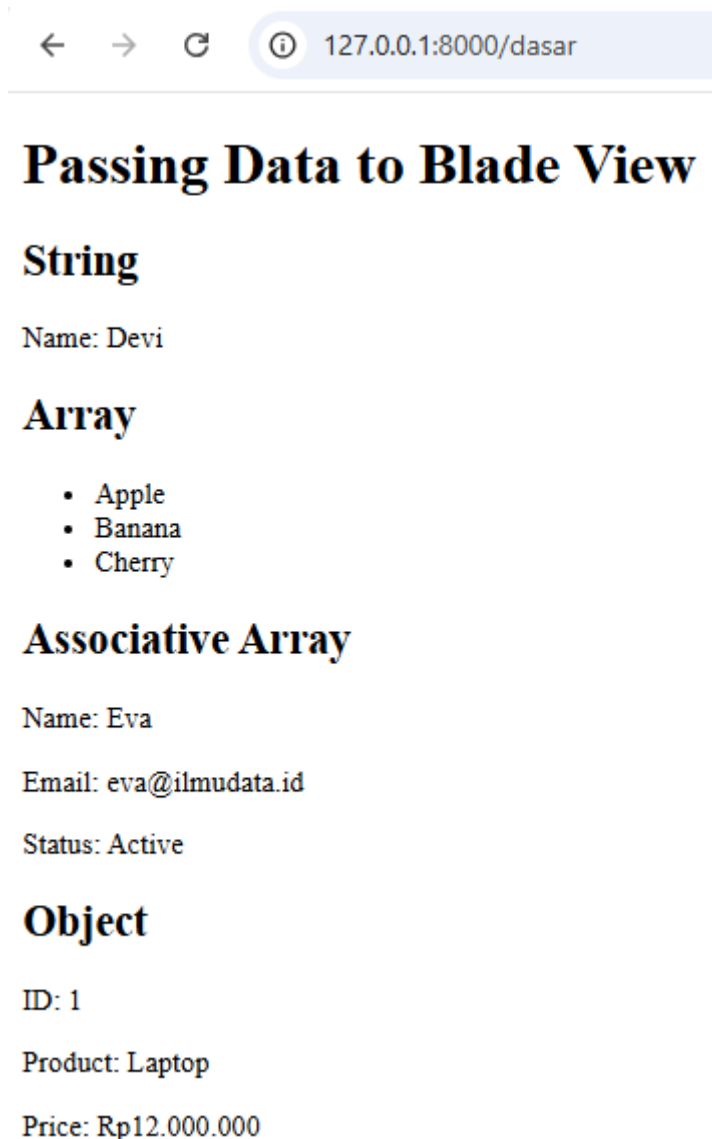
```
app > Http > Controllers > DasarBladeController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class DasarBladeController extends Controller
8  {
9      public function showData()
10     {
11         $name = 'Devi';
12         $fruits = ['Apple', 'Banana', 'Cherry'];
13         $user = [
14             'name' => 'Eva',
15             'email' => 'eva@ilmudata.id',
16             'is_active' => true,
17         ];
18         $product = (object) [
19             'id' => 1,
20             'name' => 'Laptop',
21             'price' => 12000000
22         ];
23
24         return view('dasar', compact('name', 'fruits', 'user', 'product'));
25     }
26
27 }
```

2. Tambahkan route pada routes/web.php.

```
routes > web.php
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4  use App\Http\Controllers\DasarBladeController;
5  use App\Http\Controllers\LogicController;
6  use App\Http\Controllers\PageController;
7
8  Route::get('/admin', [PageController::class, 'admin']);
9  Route::get('/user', [PageController::class, 'user']);
10
11 Route::get('/logic', [LogicController::class, 'show']);
12
13 Route::get('/dasar', [DasarBladeController::class, 'showData']);
14
15 Route::get('/', function () {
16     return view('welcome');
17 });
18
```

## 3. Buat blade View, buat file baru di resources/views/dasar&gt;blade.php

```
resources > views > 📄 dasar.blade.php
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Data Passing Demo</title>
5  </head>
6  <body>
7      <h1>Passing Data to Blade View</h1>
8
9      <h2>String</h2>
10     <p>Name: {{ $name }}</p>
11
12     <h2>Array</h2>
13     <ul>
14         @foreach ($fruits as $fruit)
15             <li>{{ $fruit }}</li>
16         @endforeach
17     </ul>
18
19     <h2>Associative Array</h2>
20     <p>Name: {{ $user['name'] }}</p>
21     <p>Email: {{ $user['email'] }}</p>
22     <p>Status: {{ $user['is_active'] ? 'Active' : 'Inactive' }}</p>
23
24     <h2>Object</h2>
25     <p>ID: {{ $product->id }}</p>
26     <p>Product: {{ $product->name }}</p>
27     <p>Price: Rp{{ number_format($product->price, 0, ',', '.') }}</p>
28 </body>
29 </html>
30
```



4. Uji rute dengan php artisan serve

## 2.2 Praktikum 2 – Menggunakan struktur Kontrol Blade

1. Buat projec controller baru didalam project modul-4-blade-view, lalu buat sebuah controller baru dengan perintah php artisan make:controller LogicController yang akan membuat App/Http/Controllers

## LogicController.php

```
app > Http > Controllers > LogicController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class LogicController extends Controller
8  {
9      public function show()
10     {
11         $isLoggedIn = true;
12         $users = [
13             ['name' => 'Marcel', 'role' => 'admin'],
14             ['name' => 'Thariq', 'role' => 'editor'],
15             ['name' => 'Ellian', 'role' => 'subscriber'],
16         ];
17         $products = []; // Simulasi array kosong untuk @forelse
18         $profile = [
19             'name' => 'Thariq',
20             'email' => 'thariq@ilmudata.id'
21         ];
22         $status = 'active';
23
24         return view('logic', compact('isLoggedIn', 'users', 'products', 'profile', 'status'));
25     }
26
27 }
```

2. Tambahkan route pada routes/web.php.

```
routes > web.php
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4  use App\Http\Controllers\DasarBladeController;
5  use App\Http\Controllers\LogicController;
6  use App\Http\Controllers\PageController;
7
8  Route::get('/admin', [PageController::class, 'admin']);
9  Route::get('/user', [PageController::class, 'user']);
10
11  Route::get('/logic', [LogicController::class, 'show']);
12
13  Route::get('/dasar', [DasarBladeController::class, 'showData']);
14
15  Route::get('/', function () {
16      return view('welcome');
17  });
18
```

## 3. Buat Blade view, buat file view di resources/views/logic.blade.php

```
resources > views > logic.blade.php
3  <head>
4      <title>Blade Logic demo </title>
5  </head>
6  <body>
7      <h1>Blade Control Structures demo</h1>
8
9      <h2>1. @if / @else</h2>
10     @if ($isLoggedIn)
11         <p>Welcome back, user!</p>
12     @else
13         <p>Please log in.</p>
14     @endif
15
16     <h2>2. @foreach</h2>
17     <ul>
18         @foreach ($users as $user)
19             <li>{{ $user['name'] }} - Role: {{ $user['role'] }}</li>
20         @endforeach
21     </ul>
22
23     <h2>3. @forelse</h2>
24     @forelse ($products as $product)
25         <p>{{ $product }}</p>
26     @empty
27         <p>No products found.</p>
28     @endforelse
29
30     <h2>4. @isset</h2>
31     @isset($profile['email'])
32         <p>User Email: {{ $profile['email'] }}</p>
33     @endisset
34
35     <h2>5. @empty</h2>
36     @empty($profile['phone'])
37         <p>No phone number available.</p>
38     @endempty
39
40     <h2>6. @switch</h2>
41     @switch($status)
42         @case('active')
43             <p>Status: Active</p>
44             @break
45         @case('inactive')
46             <p>Status: Inactive</p>
47             @break
48         @default
49             <p>Status: Unknown</p>
50     @endswitch
```

4. jalankan aplikasi dengan perintah php artisan serve

A screenshot of a web browser's address bar. It shows navigation icons (back, forward, refresh) on the left and the URL "127.0.0.1:8000/logic" on the right, preceded by an information icon.

## Blade Control Structures demo

### 1. @if / @else

Welcome back, user!

### 2. @foreach

- Marcel - Role: admin
- Thariq - Role: editor
- Ellian - Role: subscriber

### 3. @forelse

No products found.

### 4. @isset

User Email: thariq@ilmudata.id

### 5. @empty

No phone number available.

### 6. @switch

Status: Active

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## 2.3 Praktikum 3 – Layout dan Personalisasi di laravel 12 dengan Bootstrap

1. Buat projec controller baru modul-4-blade-view, lalu buat sebuah controller baru untuk menangani rute dan logika dengan php artisan make:controller PageController yang akan membuat

## App/Http/Controllers PageController.php

```

app > Http > Controllers > PageController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class PageController extends Controller
8  {
9      public function admin()
10     {
11         $role = 'admin';
12         $username = 'Yamato Admin';
13         return view('admin.dashboard', compact('role', 'username'));
14     }
15
16     public function user()
17     {
18         $role = 'user';
19         $username = 'Liu User';
20         return view('user.dashboard', compact('role', 'username'));
21     }
22
23 }

```

2. Tambahkan route pada routes/web.php.

```

routes > web.php
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4  use App\Http\Controllers\DasarBladeController;
5  use App\Http\Controllers\LogicController;
6  use App\Http\Controllers\PageController;
7
8  Route::get('/admin', [PageController::class, 'admin']);
9  Route::get('/user', [PageController::class, 'user']);
10
11 Route::get('/logic', [LogicController::class, 'show']);
12
13 Route::get('/dasar', [DasarBladeController::class, 'showData']);
14
15 Route::get('/', function () {
16     return view('welcome');
17 });
18

```

3. Buat Layout Dasar dengan Bootstrap di dalam rektori di resources/view jika belum ada. kemudian, buat resources/views/layouts/app.blade.php dan isikan denagn kode berikut:



```
resources > views > layouts > app.blade.php
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>@yield('title') | Layout and Personalization</title>
5 <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">
6 </head>
7 <body>
8 <nav class="navbar navbar-expand-lg navbar-dark bg-dark mb-4">
9 <div class="container">
10 <a class="navbar-brand" href="#">Layout and Personalization</a>
11 <div class="collapse navbar-collapse">
12 <ul class="navbar-nav ms-auto">
13 <li class="nav-item">
14 <span class="nav-link active">Welcome, {{ $username }}</span>
15 </li>
16 </ul>
17 </div>
18 </div>
19 </nav>
20
21 <div class="container">
22 @if ($role === 'admin')
23 <div class="alert alert-info">Admin Access Granted</div>
24 @elseif ($role === 'user')
25 <div class="alert alert-success">User Area</div>
26 @endif
27
28 @yield('content')
29 </div>
30
31 <footer class="bg-light text-center mt-5 p-3 border-top">
32 <p class="mb-0">&copy; 2025 Layout and Personalization. All rights reserved.</p>
33 </footer>
34
35 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>
36 </body>
37 </html>
```

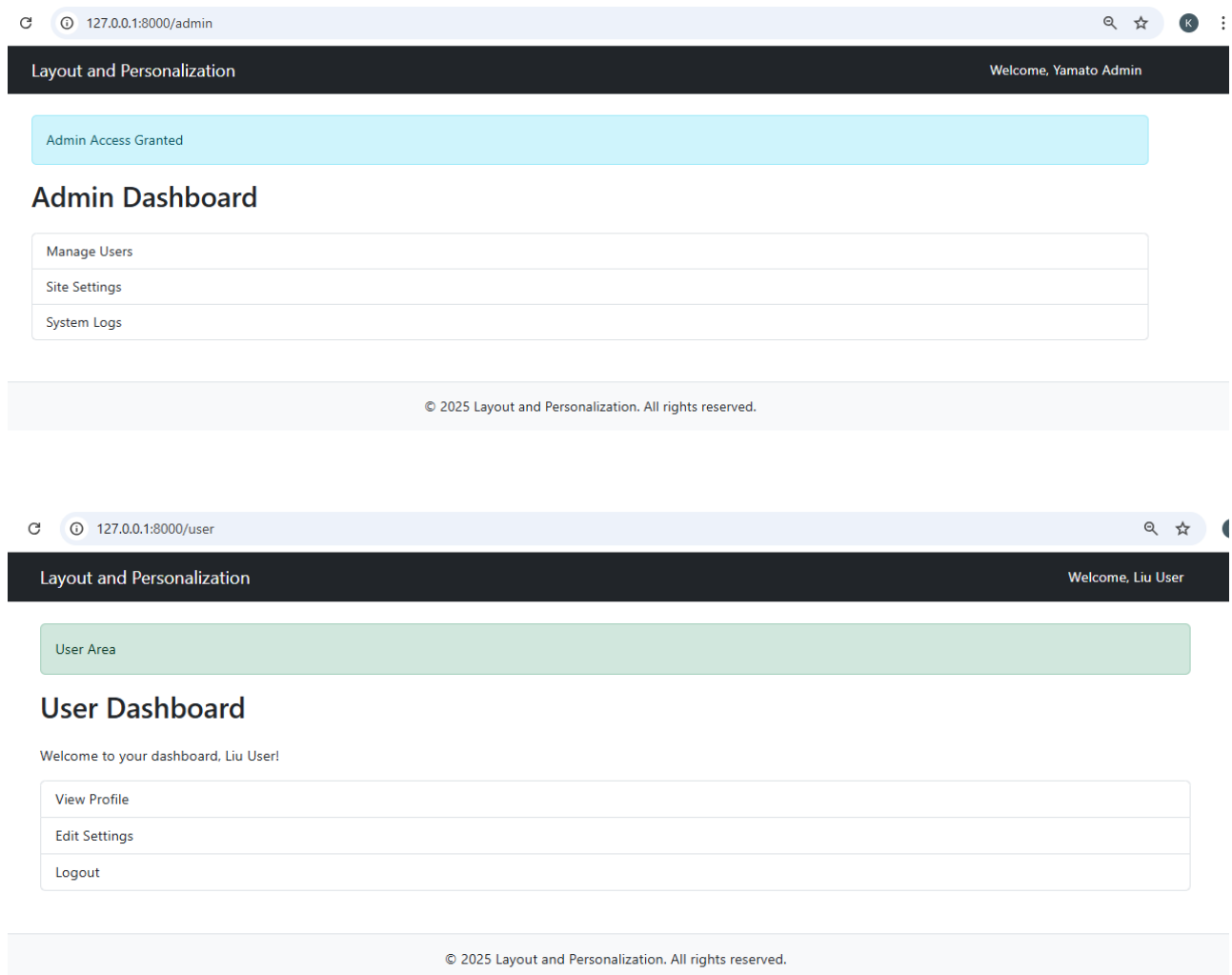
4. Buat view untuk admin, buat direktori admin di resources/views/admin/dashboard.blade.php:

```
resources > views > admin > dashboard.blade.php
1 @extends('layouts.app')
2
3 @section('title', 'Admin Dashboard')
4
5 @section('content')
6 <h2 class="mb-4">Admin Dashboard</h2>
7 <div class="list-group">
8 <a href="#" class="list-group-item list-group-item-action">Manage Users</a>
9 <a href="#" class="list-group-item list-group-item-action">Site Settings</a>
10 <a href="#" class="list-group-item list-group-item-action">System Logs</a>
11 </div>
12 @endsection
```

5. Buat view untuk user, buat direktori user di resources/view/user/dashboard.blade.php

```
resources > views > user > 📄 dashboard.blade.php
1  @extends('layouts.app')
2
3  @section('title', 'User Dashboard')
4
5  @section('content')
6      <h2 class="mb-4">User Dashboard</h2>
7      <p>Welcome to your dashboard, {{ $username }}!</p>
8      <div class="list-group">
9          <a href="#" class="list-group-item list-group-item-action">View Profile</a>
10         <a href="#" class="list-group-item list-group-item-action">Edit Settings</a>
11         <a href="#" class="list-group-item list-group-item-action">Logout</a>
12     </div>
13 @endsection
14
```

6. jalankan aplikasi dengan perintah php artisan serve



## 2.4 Praktikum 4 – Partial View, Blade Components, dan Theme Switching di laravel 12

1. Buka projec laravel composer yang sudah dibuat dengan nama laravel new modul-4-laravel-ui cd modul-4-laravel-ui code. Lalu buat sebuah controller dengan perintah php artisan make:controller

UIController yang akan membuat App/Http/Controllers UIController.php

```

app > http > Controllers > UIController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class UIController extends Controller
8  {
9      public function home(Request $request)
10     {
11         $theme = session('theme', 'light');
12         $alertMessage = 'Selamat datang di Laravel UI Integrated Demo!';
13         $features = [
14             'Partial Views',
15             'Blade Components',
16             'Theme Switching',
17             'Bootstrap 5',
18             'Responsive Design'
19         ];
20
21         return view('home', compact('theme', 'alertMessage', 'features'));
22     }
23
24     public function about(Request $request)
25     {
26         $theme = session('theme', 'light');
27         $alertMessage = 'Halaman ini menggunakan Partial View!';
28         $team = [
29             ['name' => 'Ahmad', 'role' => 'Developer'],
30             ['name' => 'Sari', 'role' => 'Designer'],
31             ['name' => 'Budi', 'role' => 'Project Manager']
32         ];
33
34         return view('about', compact('theme', 'alertMessage', 'team'));
35     }
36
37     public function contact(Request $request)
38     {
39         $theme = session('theme', 'light');
40         $departments = [
41             'Technical Support',
42             'Sales',
43             'Billing',
44             'General Inquiry'
45         ];
46
47         return view('contact', compact('theme', 'departments'));
48     }
49
50     public function profile(Request $request)
51     {
52         $theme = session('theme', 'light');
53         $user = [
54             'name' => 'John Doe',
55             'email' => 'john.doe@example.com',
56             'join_date' => '2024-01-15',
57             'preferences' => ['Email Notifications', 'Dark Mode', 'Newsletter']
58         ];
59
60         return view('profile', compact('theme', 'user'));
61     }
62
63     public function switchTheme($theme, Request $request)
64     {
65         if (in_array($theme, ['light', 'dark'])) {
66             session(['theme' => $theme]);
67         }
68
69         return back();
70     }
71 }

```

2. Tambahkan route pada routes/web.php.

```

routes > web.php
1  <?php
2  use Illuminate\Support\Facades\Route;
3  use App\Http\Controllers\UIController;
4
5  Route::get('/', [UIController::class, 'home'])->name('home');
6  Route::get('/about', [UIController::class, 'about'])->name('about');
7  Route::get('/contact', [UIController::class, 'contact'])->name('contact');
8  Route::get('/profile', [UIController::class, 'profile'])->name('profile');
9  Route::get('/switch-theme/{theme}', [UIController::class, 'switchTheme'])->name('switch-theme');

```

3. Buat Layout utama dengan Theme Support, buat direktori Layout di resources/views/layouts/app.blade.php:

```
resources > views > layouts > app.blade.php
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>@yield('title') | Layout and Personalization</title>
5 <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">
6 </head>
7 <body>
8 <nav class="navbar navbar-expand-lg navbar-dark bg-dark mb-4">
9 <div class="container">
10 <a class="navbar-brand" href="#">Layout and Personalization</a>
11 <div class="collapse navbar-collapse">
12 <ul class="navbar-nav ms-auto">
13 <li class="nav-item">
14 <span class="nav-link active">Welcome, {{ $username }}</span>
15 </li>
16 </ul>
17 </div>
18 </div>
19 </nav>
20
21 <div class="container">
22 @if ($role === 'admin')
23 <div class="alert alert-info">Admin Access Granted</div>
24 @elseif ($role === 'user')
25 <div class="alert alert-success">User Area</div>
26 @endif
27
28 @yield('content')
29 </div>
30
31 <footer class="bg-light text-center mt-5 p-3 border-top">
32 <p class="mb-0">&copy; 2025 Layout and Personalization. All rights reserved.</p>
33 </footer>
34
35 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>
36 </body>
37 </html>
```

#### 4. Buat Partial View, buat direktori di resources/views/partials/navigation.blade.php

```
resources > views > partials > navigation.blade.php
1 <nav class="navbar navbar-expand-lg {{ $theme === 'dark' ? 'navbar-dark bg-dark' : 'navbar-light bg-light' }} fixed-top shadow">
2 <div class="container">
3 <a class="navbar-brand fw-bold" href="{{ route('home') }}">
4 Laravel UI Demo
5 </a>
6
7 <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav">
8 <span class="navbar-toggler-icon"></span>
9 </button>
10
11 <div class="collapse navbar-collapse" id="navbarNav">
12 <ul class="navbar-nav ms-auto">
13 <li class="nav-item">
14 <a class="nav-link {{ request()->routeIs('home') ? 'active' : '' }}" href="{{ route('home') }}">Home</a>
15 </li>
16 <li class="nav-item">
17 <a class="nav-link {{ request()->routeIs('about') ? 'active' : '' }}" href="{{ route('about') }}">About</a>
18 </li>
19 <li class="nav-item">
20 <a class="nav-link {{ request()->routeIs('contact') ? 'active' : '' }}" href="{{ route('contact') }}">Contact</a>
21 </li>
22 <li class="nav-item">
23 <a class="nav-link {{ request()->routeIs('profile') ? 'active' : '' }}" href="{{ route('profile') }}">Profile</a>
24 </li>
25 </ul>
26
27 <ul class="navbar-nav">
28 <li class="nav-item dropdown">
29 <a class="nav-link dropdown-toggle" href="#" role="button" data-bs-toggle="dropdown">
30 Theme: {{ ucfirst($theme) }}
31 </a>
32 <ul class="dropdown-menu">
33 <li><a class="dropdown-item" href="{{ route('switch-theme', 'light') }}">Light Mode</a></li>
34 <li><a class="dropdown-item" href="{{ route('switch-theme', 'dark') }}">Dark Mode</a></li>
35 </ul>
36 </li>
37 </ul>
38 </div>
39 </div>
40 </nav>
```

5. Selanjutnya sebuah file, resources/view/partials/alert.blade.php

```
resources > views > partials > alert.blade.php
1  @if(!empty($message))
2  <div class="alert alert-{{ $type ?? 'info' }} alert-dismissible fade show" role="alert">
3      {{ $message }}
4      <button type="button" class="btn-close" data-bs-dismiss="alert"></button>
5  </div>
6  @endif
```

6. Buat Blade Components ketik didalam terminal satu persatu dengan perintah php artisan make:component footer, php artisan make:component FeatureCard, php artisan make:component TeamMember, php artisan make:component ContactForm kemudian edit file resources/views/components/footer.blade.php

```
resources > views > components > footer.blade.php
1
2  @php
3      $theme = $theme ?? 'light';
4  @endphp
5  <footer class="mt-5 py-4 border-top {{ $theme === 'dark' ? 'border-secondary' : '' }}">
6      <div class="container">
7          <div class="row">
8              <div class="col-md-6">
9                  <h5>Laravel UI Integrated Demo</h5>
10                 <p class="mb-0">Demonstrasi Partial Views, Blade Components, dan Theme Switching</p>
11             </div>
12             <div class="col-md-6 text-md-end">
13                 <p class="mb-0">
14                     <strong>Current Theme:</strong>
15                     <span class="badge {{ $theme === 'dark' ? 'bg-primary' : 'bg-dark' }}">
16                         {{ ucfirst($theme) }}
17                     </span>
18                 </p>
19                 <p class="mb-0">&copy; 2024 Laravel UI Demo. All rights reserved.</p>
20             </div>
21         </div>
22     </div>
23 </footer>
24
```

Kemudian, Edit resources/views/components/feature-card.blade.php:

```
resources > views > components > feature-card.blade.php
1  @php
2      $theme = $theme ?? 'light';
3      $title = $title ?? '';
4      $description = $description ?? '';
5      $icon = $icon ?? '★';
6  @endphp
7  <div class="card feature-card h-100 {{ $theme === 'dark' ? 'bg-secondary text-white' : '' }}">
8      <div class="card-body">
9          <div class="d-flex align-items-center mb-3">
10             <span class="fs-2 me-3">{{ $icon ?? '★' }}</span>
11             <h5 class="card-title mb-0">{{ $title }}</h5>
12          </div>
13          <p class="card-text">{{ $description }}</p>
14          @if(isset($badge))
15             <span class="badge {{ $theme === 'dark' ? 'bg-light text-dark' : 'bg-dark' }}">{{ $badge }}</span>
16          @endif
17      </div>
18  </div>
```

Selanjutnya, Edit resources/views/components/team-member.blade.php:

```
resources > views > components > team-member.blade.php
1 @props(['name', 'role', 'avatar' => '👤', 'description' => '', 'theme' => 'light'])
2
3 <div class="col-md-4 mb-4">
4     <div class="card {{ $theme === 'dark' ? 'bg-dark text-white border-light' : 'bg-white border' }} h-100">
5         <div class="card-body text-center">
6             <div class="mb-3">
7                 <span class="fs-1">{{ $avatar }}</span>
8             </div>
9             <h5 class="card-title">{{ $name }}</h5>
10            <p class="card-text text-muted">{{ $role }}</p>
11            <p class="card-text">{{ $description }}</p>
12        </div>
13    </div>
14 </div>
```

## 7. Buat Main Views resources/view/home.blade.php

```
resources > views > home.blade.php
1 @extends('layouts.app')
2
3 @section('title', 'Home - Integrated Demo')
4
5 @section('content')
6     <div class="row">
7         <div class="col-12">
8             <div class="theme-demo {{ $theme === 'dark' ? 'bg-dark border-light' : 'bg-white border' }} mb-5">
9                 <div class="display-4 mb-4">👋 Laravel UI Integrated Demo</div>
10                <p class="lead">Demonstrasi lengkap Partial Views, Blade Components, dan Theme Switching dalam satu aplikasi terpadu.</p>
11            </div>
12            <div class="row mt-5">
13                <div class="col-md-4 mb-4">
14                    <div class="card">
15                        <div class="card-body">
16                            <div class="text-center">
17                                <h5>Partial Views</h5>
18                                <div class="text-center">
19                                    <img alt="Partial Views icon" data-bbox="240 410 260 430"/>
20                                </div>
21                                <p>Gunakan @include untuk reusable UI components dengan data sederhana.</p>
22                                <p><span class="badge">Latihan 13</span></p>
23                            </div>
24                        </div>
25                    </div>
26                <div class="col-md-4 mb-4">
27                    <div class="card">
28                        <div class="card-body">
29                            <div class="text-center">
30                                <h5>Blade Components</h5>
31                                <div class="text-center">
32                                    <img alt="Blade Components icon" data-bbox="240 470 260 490"/>
33                                </div>
34                                <p>Komponen Blade dengan props dan slots untuk UI yang lebih kompleks.</p>
35                                <p><span class="badge">Latihan 14</span></p>
36                            </div>
37                        </div>
38                    </div>
39                <div class="col-md-4 mb-4">
40                    <div class="card">
41                        <div class="card-body">
42                            <div class="text-center">
43                                <h5>Theme Switching</h5>
44                                <div class="text-center">
45                                    <img alt="Theme Switching icon" data-bbox="240 530 260 550"/>
46                                </div>
47                                <p>Toggle antara light dan dark mode dengan session persistence.</p>
48                                <p><span class="badge">Latihan 15</span></p>
49                            </div>
50                        </div>
51                    </div>
52                </div>
53            </div>
54            <div class="row">
55                <div class="col-md-6">
56                    <div class="card {{ $theme === 'dark' ? 'bg-dark border-light' : '' }} mb-4">
57                        <div class="card-header">
58                            <h5>Fitur Utama</h5>
59                        </div>
60                        <div class="card-body">
61                            <div class="list-group list-group-flush">
62                                @foreach($features as $feature)
63                                    <div class="list-group-item {{ $theme === 'dark' ? 'bg-dark text-light' : '' }}">
64                                        - {{ $feature }}
65                                    </div>
66                                @endforeach
67                            </div>
68                        </div>
69                    </div>
70                <div class="col-md-6">
71                    <div class="card {{ $theme === 'dark' ? 'bg-dark border-light' : '' }}">
72                        <div class="card-header">
73                            <h5>Teknologi yang Digunakan</h5>
74                        </div>
75                        <div class="card-body">
76                            <div class="d-flex flex-wrap gap-2">
77                                <span class="badge bg-primary">Laravel 12</span>
78                                <span class="badge bg-success">Blade Templates</span>
79                                <span class="badge bg-info">Bootstrap 5</span>
80                                <span class="badge bg-warning">PHP 8.4</span>
81                                <span class="badge bg-danger">Session Management</span>
82                            </div>
83                        </div>
84                    </div>
85                </div>
86            </div>
87        </div>
88    </div>
```

Selanjutnya, buat

resources/views/about.blade.php:

```
resources > views > about.blade.php
1  @extends('layouts.app')
2
3  @section('title', 'About - Partial Views Demo')
4
5  @section('content')
6  <div class="row">
7      <div class="col-12">
8          <div class="theme-demo {{ $theme === 'dark' ? 'bg-dark border-light' : 'bg-white border' }}" mb-4 p-4 rounded">
9              <h1 class="mb-4">About - Partial Views</h1>
10             <p class="lead">
11                 Halaman ini mendemonstrasikan penggunaan <strong>Partial Views</strong> dengan
12                 <code>@{{ include }}</code> directive untuk membuat komponen Blade yang bisa digunakan ulang.
13             </p>
14         </div>
15
16         <h3 class="mb-4">Tim Kami</h3>
17
18         @php
19             $avatars = ['👤', '👤', '👤', '👤'];
20         @endphp
21
22         <div class="row">
23             @foreach($team as $member)
24                 <x-team-member
25                     name="{{ $member['name'] }}"
26                     role="{{ $member['role'] }}"
27                     theme="{{ $theme }}"
28                     avatar="{{ $avatars[$loop->index] ?? '👤' }}"
29                     description="Bergabung sejak 2024 dan berkontribusi dalam pengembangan." />
30             @endforeach
31         </div>
32     </div>
33 </div>
34 @endsection
```

Selanjutnya, buat resources/views/partials/team-stats.blade.php:

```
resources > views > partials > team-stats.blade.php
1  <div class="card {{ $theme === 'dark' ? 'bg-dark border-light' : '' }}" mt-4">
2      <div class="card-header">
3          <h5>Statistik Tim</h5>
4      </div>
5      <div class="card-body">
6          <div class="row text-center">
7              <div class="col-md-3">
8                  <h3>3</h3>
9                  <p class="text-muted">Anggota</p>
10             </div>
11             <div class="col-md-3">
12                 <h3>12+</h3>
13                 <p class="text-muted">Proyek</p>
14             </div>
15             <div class="col-md-3">
16                 <h3>95%</h3>
17                 <p class="text-muted">Kepuasan</p>
18             </div>
19             <div class="col-md-3">
20                 <h3>2+</h3>
21                 <p class="text-muted">Tahun</p>
22             </div>
23         </div>
24     </div>
25 </div>
26
```

Selanjutnya, buat

resources/views/contact.blade.php:

```

resources > views > contact.blade.php
1  @extends('layouts.app')
2
3  @section('title', 'Contact - Components Demo')
4
5  @section('content')
6  <div class="row">
7      <div class="col-12">
8          <div class="theme-demo {{ $theme === 'dark' ? 'bg-dark border-light' : 'bg-white border' }} mb-4">
9              <h1 class="mb-4">Contact - Blade Components</h1>
10             <p class="lead">Halaman ini mendemonstrasikan penggunaan <strong>Blade Components</strong> dengan props dan slots.</p>
11          </div>
12
13          <div class="row">
14              <div class="col-md-6">
15                  <x-contact-form :theme="$theme" :departments="$departments" />
16              </div>
17              <div class="col-md-6">
18                  <div class="card {{ $theme === 'dark' ? 'bg-dark border-light' : '' }} h-100">
19                      <div class="card-header">
20                          <h5>Informasi Kontak</h5>
21                      </div>
22                      <div class="card-body">
23                          <p><strong>Email:</strong> info@laraveldemo.com</p>
24                          <p><strong>Telepon:</strong> +62 21 1234 5678</p>
25                          <p><strong>Alamat:</strong> Jakarta, Indonesia</p>
26
27                          <h6 class="mt-4">Department Tersedia:</h6>
28                          <ul>
29                              @foreach( $departments as $dept )
30                                  <li>{{ $dept }}</li>
31                              @endforeach
32                          </ul>
33                      </div>
34                  </div>
35              </div>
36          </div>
37      </div>
38  </div>

```

Selanjutnya, Edit resources/views/components/contact-form.blade.php:

```

resources > views > components > contact-form.blade.php
1  @props(['theme' => 'light', 'departments' => []])
2
3  <div class="card {{ $theme === 'dark' ? 'bg-dark border-light' : '' }} h-100">
4      <div class="card-header">
5          <h5>Form Kontak</h5>
6      </div>
7      <div class="card-body">
8          <form>
9              <div class="mb-3">
10                 <label class="form-label">Nama Lengkap</label>
11                 <input type="text" class="form-control {{ $theme === 'dark' ? 'bg-dark text-light border-light' : '' }}" placeholder="Masukkan nama Anda">
12             </div>
13
14             <div class="mb-3">
15                 <label class="form-label">Email</label>
16                 <input type="email" class="form-control {{ $theme === 'dark' ? 'bg-dark text-light border-light' : '' }}" placeholder="nama@example.com">
17             </div>
18
19             <div class="mb-3">
20                 <label class="form-label">Department</label>
21                 <select class="form-select {{ $theme === 'dark' ? 'bg-dark text-light border-light' : '' }}">
22                     <option selected>Pilih department...</option>
23                     @foreach($departments as $dept)
24                         <option value="{{ $dept }}">{{ $dept }}</option>
25                     @endforeach
26                 </select>
27             </div>
28
29             <div class="mb-3">
30                 <label class="form-label">Pesan</label>
31                 <textarea class="form-control {{ $theme === 'dark' ? 'bg-dark text-light border-light' : '' }}" rows="4" placeholder="Tulis pesan Anda..."></textarea>
32             </div>
33
34             <button type="submit" class="btn btn-primary">Kirim Pesan</button>
35          </form>
36      </div>
37  </div>

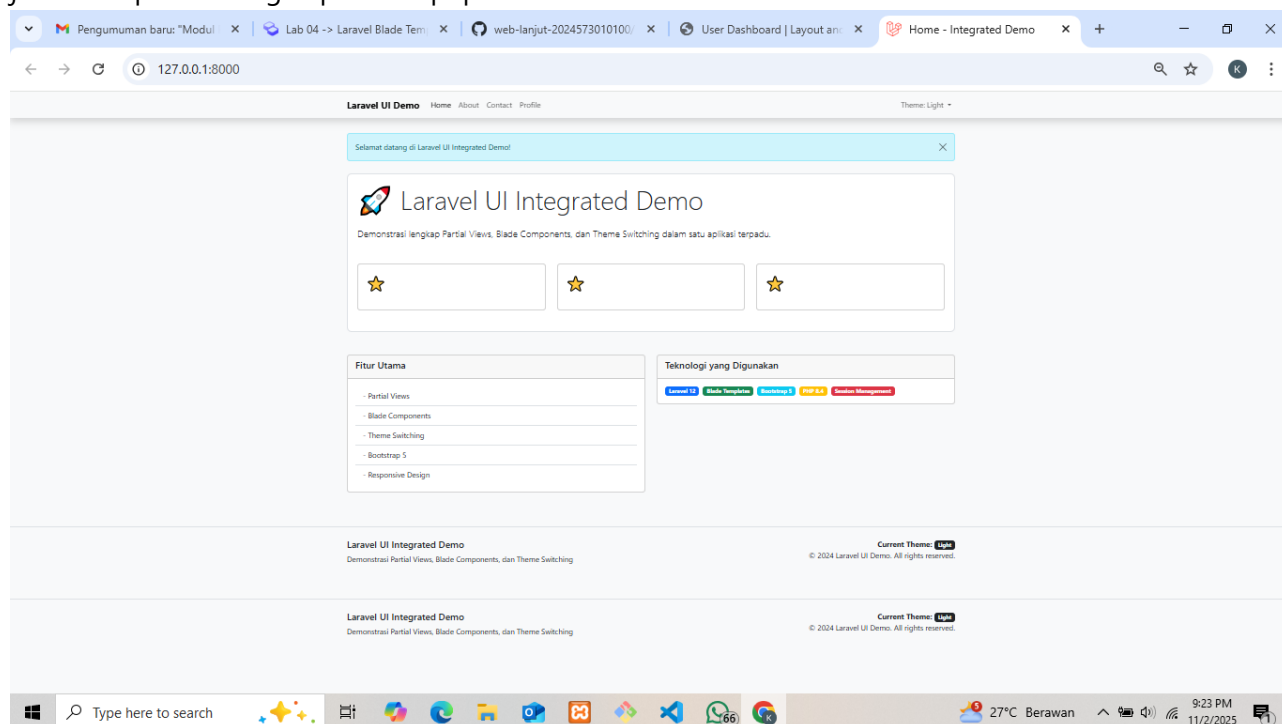
```

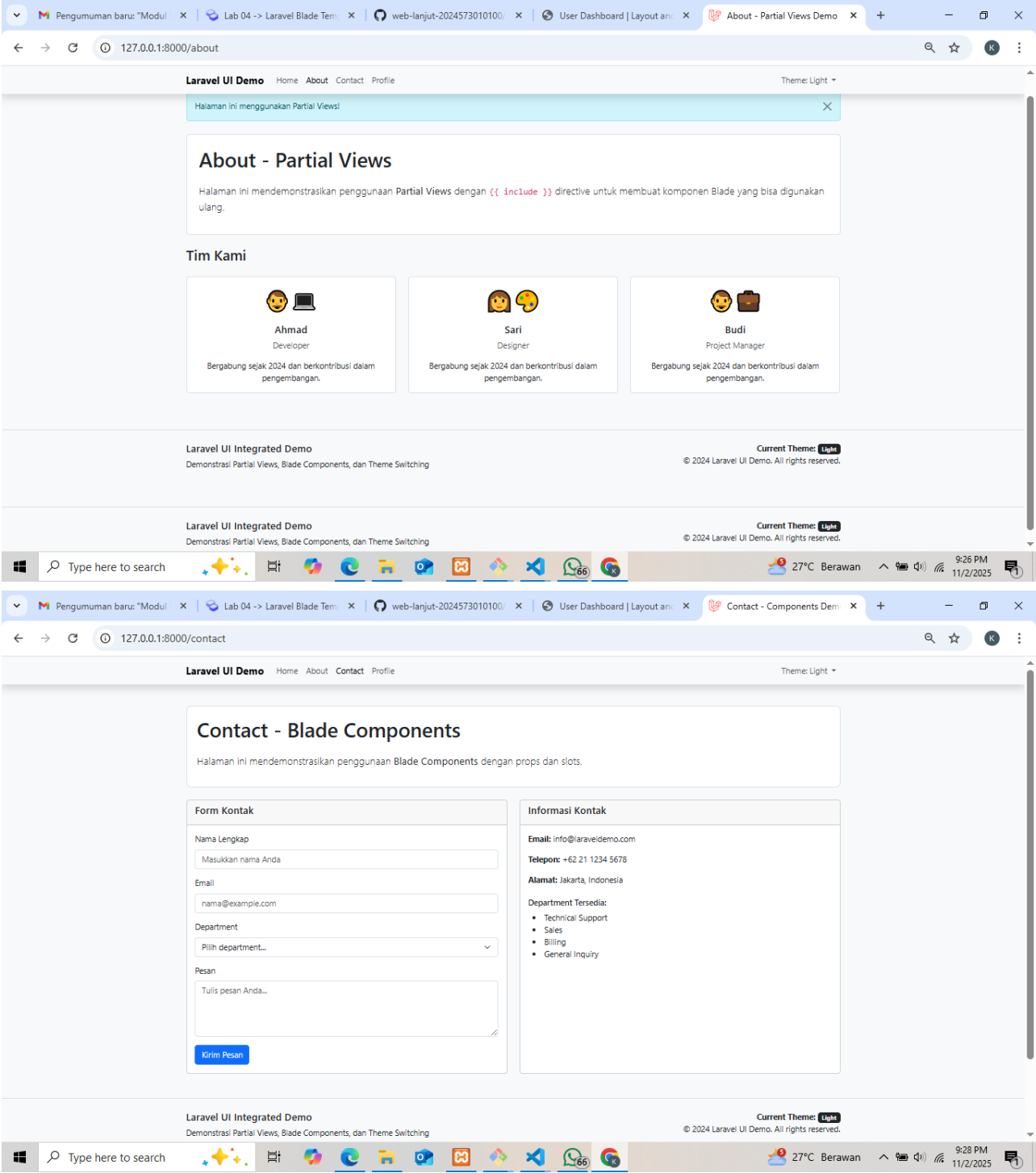


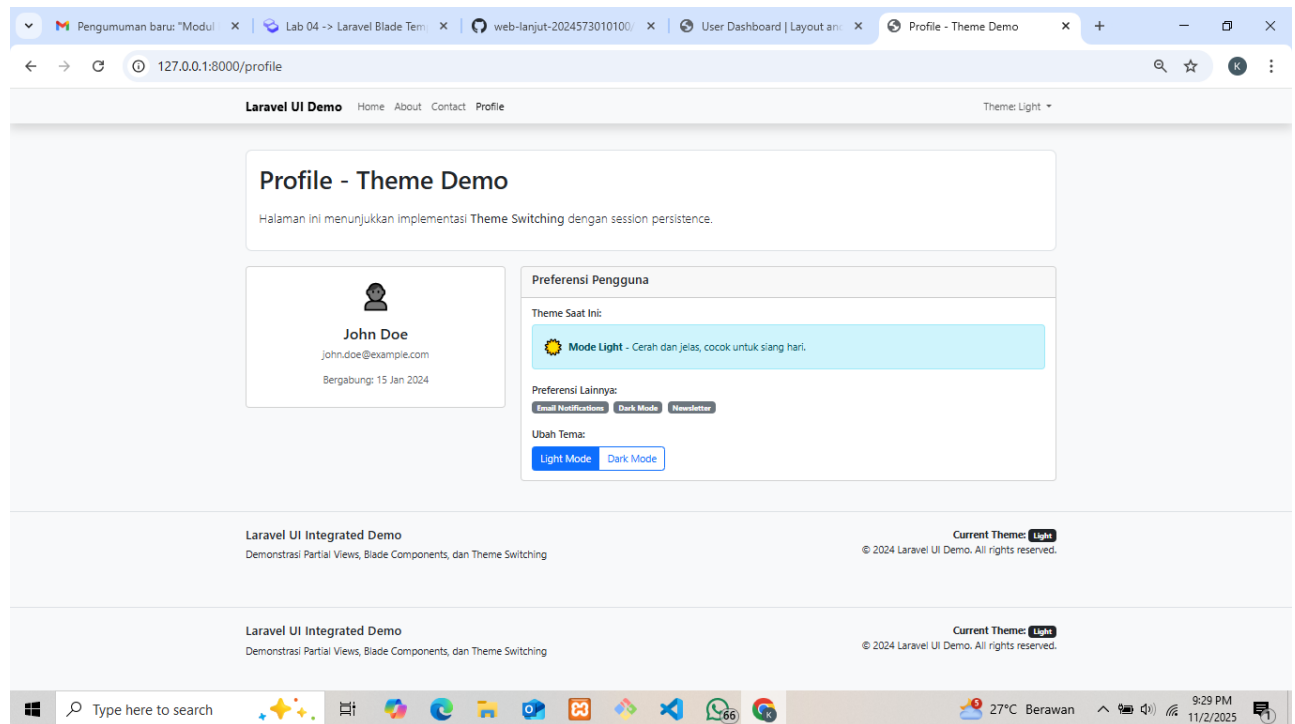
Kemudian, buat resources/views/profile.blade.php:

```
resources > views > profile.blade.php
1 @extends('layouts.app')
2
3 @section('title', 'Profile - Theme Demo')
4
5 @section('content')
6 <div class="row">
7     <div class="col-12">
8         <div class="theme-demo {{ $theme == 'dark' ? 'bg-dark border-light' : 'bg-white border' }} mb-4">
9             <div class="mb-4">Profile - Theme Demo</div>
10            <p class="lead">Halaman ini menunjukkan implementasi <strong>Theme Switching</strong> dengan session persistence.</p>
11        </div>
12
13        <div class="row">
14            <div class="col-md-4">
15                <div class="card {{ $theme == 'dark' ? 'bg-dark border-light' : '' }} text-center">
16                    <div class="card-body">
17                        <div class="mb-3">
18                            <span class="fa-1x">👤</span>
19                        </div>
20                        <div>
21                            <div><strong>{{ $user['name'] }}</strong></div>
22                            <p class="text-muted">{{ $user['email'] }}</p>
23                            <p class="text-muted">Berikut: {{ date('d M Y', strtotime($user['join_date'])) }}</p>
24                        </div>
25                    </div>
26                </div>
27
28                <div class="col-md-8">
29                    <div class="card {{ $theme == 'dark' ? 'bg-dark border-light' : '' }}">
30                        <div class="card-header">
31                            <h5>Preferensi Pengguna</h5>
32                        </div>
33                        <div class="card-body">
34                            <h6>Theme Saat Ini</h6>
35                            <div class="alert alert-{{ $theme == 'dark' ? 'dark' : 'info' }} d-flex align-items-center">
36                                <span class="me-2 fa-4x">{{ $theme == 'dark' ? '🌙' : '☀️' }}</span>
37                                <div>
38                                    <strong>Mode {{ ucfirst($theme) }}</strong> -
39                                    <div>
40                                        <div>{{ $theme == 'dark' ? 'Nyaman di malam hari dan mengurangi ketegangan mata.' : 'Cerah dan jelas, cocok untuk siang hari.' }}</div>
41                                    </div>
42                                </div>
43                            </div>
44
45                            <h6>Preferensi Lainnya</h6>
46                            <div class="d-flex flex-wrap gap-2">
47                                @foreach($user['preferences'] as $pref)
48                                    <span class="badge bg-secondary">{{ $pref }}</span>
49                                @endforeach
50                            </div>
51
52                            <div class="mt-4">
53                                <h6>Ubah Tema</h6>
54                                <div class="btn-group">
55                                    <a href="{{ route('switch-theme', 'light') }}"
56                                        class="btn btn-{{ $theme == 'light' ? 'primary' : 'outline-primary' }}">
57                                        Light Mode
58                                    </a>
59                                    <a href="{{ route('switch-theme', 'dark') }}"
60                                        class="btn btn-{{ $theme == 'dark' ? 'primary' : 'outline-primary' }}">
61                                        Dark Mode
62                                    </a>
63                                </div>
64                            </div>
65                        </div>
66                    </div>
67                </div>
68            </div>
69        </div>
70    </div>
71 </div>
72 @endsection
```

## 8. jalankan aplikasi dengan perintah php artisan serve







### 3. Hasil dan Pembahasan

Jelaskan apa hasil dari praktikum yang dilakukan.

Berdasarkan hasil praktikum pada modul Laravel Blade Template Engine, diperoleh pemahaman bahwa Blade berperan penting dalam mengatur tampilan aplikasi Laravel agar lebih efisien dan mudah dikelola. Pada praktikum pertama, hasil menunjukkan bahwa data dari controller dapat berhasil ditampilkan di view menggunakan sintaks `{{ $variable }}`, yang secara otomatis melakukan escaping untuk keamanan data. Praktikum kedua membuktikan bahwa struktur kontrol seperti `@if`, `@else`, `@foreach`, dan `@for` dapat digunakan untuk mengatur logika tampilan dengan sintaks yang lebih sederhana dibandingkan PHP murni.

Selanjutnya, pada praktikum ketiga, pembuatan layout menggunakan direktif `@extends`, `@section`, dan `@yield` berhasil menunjukkan bagaimana satu tampilan dasar dapat digunakan oleh banyak halaman lain, sehingga mempermudah konsistensi desain. Sedangkan pada praktikum terakhir, pembuatan theme switching memperlihatkan bagaimana Blade dapat dikombinasikan dengan CSS framework seperti Bootstrap untuk menciptakan tampilan antarmuka yang menarik dan interaktif.

Secara keseluruhan, hasil dari modul ini membuktikan bahwa penggunaan Blade Template Engine mampu mempercepat proses pengembangan tampilan web, menjaga kerapian struktur kode, serta meningkatkan efisiensi dan kemudahan dalam pemeliharaan aplikasi Laravel.

### 4. Kesimpulan

Dari hasil praktikum yang telah dilakukan, dapat disimpulkan bahwa Blade Template Engine merupakan komponen penting dalam framework Laravel yang berfungsi untuk memisahkan logika dan tampilan agar kode lebih terstruktur, efisien, dan mudah dipelihara. Melalui praktikum, dipelajari cara menampilkan data dari controller ke view, menggunakan struktur kontrol seperti `@if` dan `@foreach`, serta menerapkan layout dengan `@extends` dan `@yield` untuk menciptakan tampilan yang konsisten di seluruh halaman. Selain itu, penggunaan Blade Components dan theme switching membantu memperkaya tampilan serta meningkatkan

pengalaman pengguna. Dengan demikian, pemahaman terhadap Blade Template Engine sangat penting bagi pengembang dalam membangun aplikasi Laravel yang profesional, rapi, dan mudah dikembangkan.

---

## 5. Referensi

1. <https://laravel.com/docs/11.x/blade>
  2. Sanjaya, D. (2023). Pemrograman Web Framework Laravel untuk Pemula. Yogyakarta: Deepublish Publisher.
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