Laporan Modul 4: Laravel Blade Template Engine

Mata Kuliah: Workshop Web Lanjut
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Abstrak

Blade adalah mesin templating bawaan dari Laravel yang digunakan untuk memisahkan antara logika program dan tampilan (view) pada aplikasi web, sehingga kode menjadi lebih rapi dan mudah diatur. Dengan Blade, pengembang bisa menulis kode HTML yang dinamis tanpa harus menulis sintaks PHP berulang-ulang, karena Blade sudah menyediakan fitur seperti @if, @foreach, dan @include yang membuat tampilan lebih sederhana dan mudah dibaca. Selain itu, Blade juga mendukung konsep layout dan component yang membantu membuat tampilan web menjadi lebih konsisten di setiap halaman serta memudahkan penggunaan ulang kode yang sama.

1. Dasar Teori

Blade Template Engine adalah sistem templating yang digunakan Laravel untuk membantu pembuatan tampilan halaman web. Blade bekerja dengan cara memudahkan integrasi antara kode PHP dan HTML, sehingga struktur kode menjadi lebih teratur. Blade juga menyediakan fitur seperti layout, component, dan direktif yang mempercepat proses pembuatan antarmuka pengguna.

fitur-fitur utama dan konsep penting dalam Blade

Membuat View Blade Sederhana

View menampilkan halaman web kepada pengguna dan disimpan di folder resources/views dengan ekstensi .blade.php. Blade memudahkan tampilan data dari controller agar halaman lebih dinamis.

Mengirim Data ke View

Data dari controller, seperti teks atau angka, dapat dikirim ke view dan langsung ditampilkan agar isi halaman menyesuaikan dengan data tersebut.

Sintaks dan Direktif Blade

Blade menyediakan sintaks mudah seperti @if, @foreach, dan @include untuk logika, perulangan, dan penyisipan tampilan lain, membuat kode lebih rapi.

Layouts dan Sections

Layout menjadi kerangka utama tampilan, sedangkan section diisi konten halaman. Fitur ini menjaga tampilan tetap konsisten di seluruh web.

Blade Components

Component digunakan untuk elemen berulang seperti tombol atau notifikasi, sehingga mudah digunakan kembali dan diperbarui.

Blade Includes

Include berfungsi menyisipkan bagian tampilan seperti navbar atau footer agar kode lebih teratur dan mudah dikelola.

Perulangan dan Kondisional Lainnya

Blade memiliki direktif seperti @isset, @empty, dan @switch untuk menangani kondisi dan logika sederhana di tampilan.

Menampilkan Error Validasi

Blade dapat menampilkan pesan kesalahan dari validasi form secara otomatis agar pengguna tahu jika ada input yang salah.

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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. Buat dan Buka Proyek Laravel laravel new modul-4-blade-view cd modul-4-blade-view code .

2. Buat sebuah Controller php artisan make:controller DasarBladeController

3. Definisikan Rute, edit routes/web.php

```php
projects > modul-4-blade-view > routes > php 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   Route::get('/logic', [LogicController::class, 'show']);
11   Route::get('/dasar', [DasarBladeController::class, 'showData']);
12   Route::get('/', function () {
13       return view('welcome');
14   });
15
```

4. Buat Metode untuk menghandle data pada Controller, buka app/Http/Controllers/DasarBladeController.php dan tambahkan metode berikut:

```php
class DasarBladeController extends Controller
{
    public function showData()
    {
    $name = 'Devi';
    $fruits = ['Apple', 'Banana', 'Cherry'];
    $user = [
        'name' => 'Eva',
        'email' => 'eva@ilmudata.id',
        'is_active' => true,
    ];
    $product = (object) [
        'id' => 1,
        'name' => 'Laptop',
        'price' => 12000000
    ];

    return view('dasar', compact('name', 'fruits', 'user', 'product'));

    }

}
```

5. Buat Blade View, buat file baru di resources/views/dasar.blade.php:

```
projects > modul-4-blade-view > 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>
```

6. Mulai server development Laravel: php artisan serve

127.0.0.1:8000/dasar

Passing Data to Blade View

String

Name: Devi

Array

- Apple
- Banana
- Cherry

Associative Array

Name: Eva

Email: eva@ilmudata.id

Status: Active

Object

ID: 1

Product: Laptop

Price: Rp12.000.000

2.2 Praktikum 2 – Menggunakan Struktur Kontrol Blade

1. Di dalam project modul-4-blade-view buatlah sebuah controller baru: php artisan make:controller LogicController Ini membuat app/Http/Controllers/LogicController.php.

2. Tambahkan route baru Buka routes/web.php dan tambahkan:

```
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   Route::get('/logic', [LogicController::class, 'show']);
```
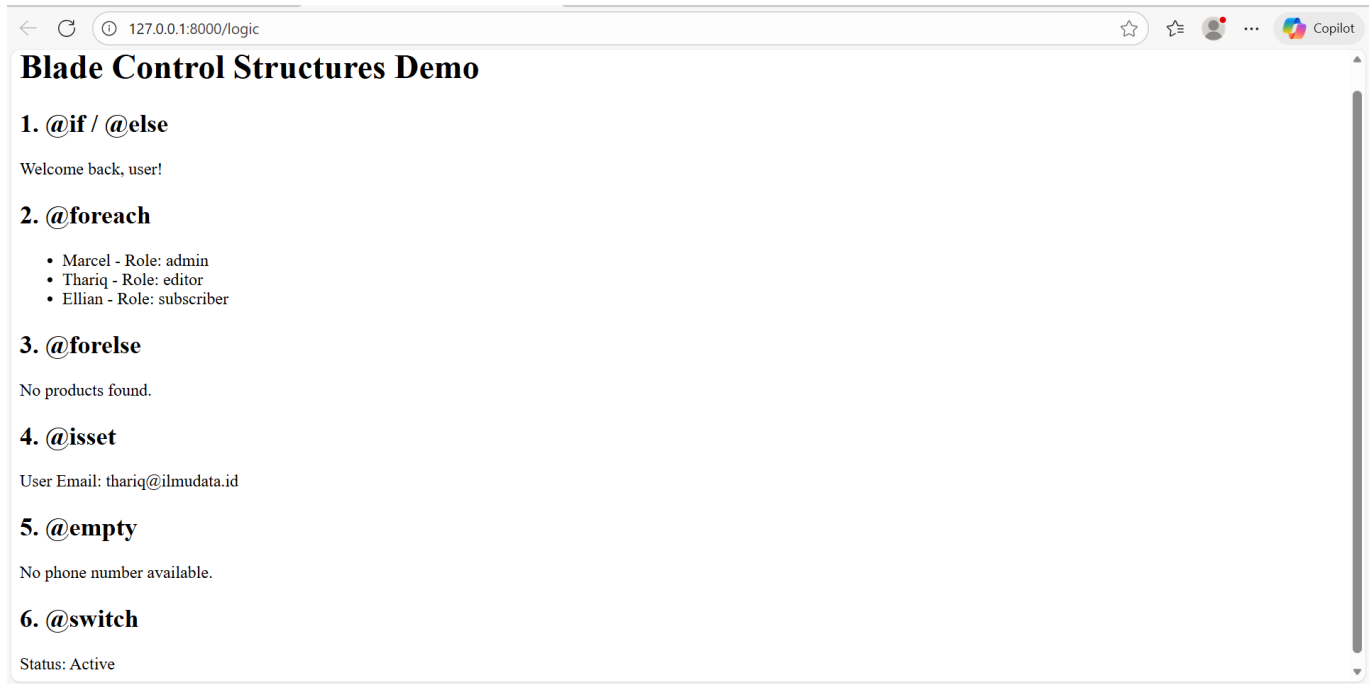
3. Tambahkan Logika di Controller Edit app/Http/Controllers/LogicController.php:

```
9      public function show()
0      {
1      $isLoggedIn = true;
2      $users = [
3          ['name' => 'Marcel', 'role' => 'admin'],
4          ['name' => 'Thariq', 'role' => 'editor'],
5          ['name' => 'Ellian', 'role' => 'subscriber'],
6      ];
7      $products = []; // Simulasi array kosong untuk @forelse
8      $profile = [
9          'name' => 'Thariq',
0          'email' => 'thariq@ilmudata.id'
1      ];
2      $status = 'active';
3
4      return view('logic', compact('isLoggedIn', 'users', 'products', 'profile', 'status'));
5      }
```

4. Buat Blade View Buat file view di resources/views/logic.blade.php:

```
projects > modul-4-blade-view > resources > views > 💓 logic.blade.php > ...
  1   <!DOCTYPE html>
  2   <html>
  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
 51   </body>
 52   </html>
```

5. Jalankan Aplikasi

2.3 Praktikum 3 – Layout dan Personalisasi di Laravel 12 dengan Bootstrap

1. Buat Controller baru: php artisan make:controller PageController

2. Menambahkan Route Buka routes/web.php dan tambahkan rute baru:

```php
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']);
```

3. Update Controller di app/Http/Controllers/PageController.php isikan kode berikut:

```
{
    public function admin()
    {
        $role = 'admin';
        $username = 'Yamato Admin';
        return view('admin.dashboard', compact('role', 'username'));
    }


    public function user()
    {
        $role = 'user';
        $username = 'Liu User';
        return view('user.dashboard', compact('role', 'username'));
    }


}
```

4. Buat Layout Dasar dengan Bootstrap Buat direktori layouts di resources/views jika belum ada. Kemudian, buat resources/views/layouts/app.blade.php dan isikan kode berikut:

```
projects > modul-4-blade-view > 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>
38
```
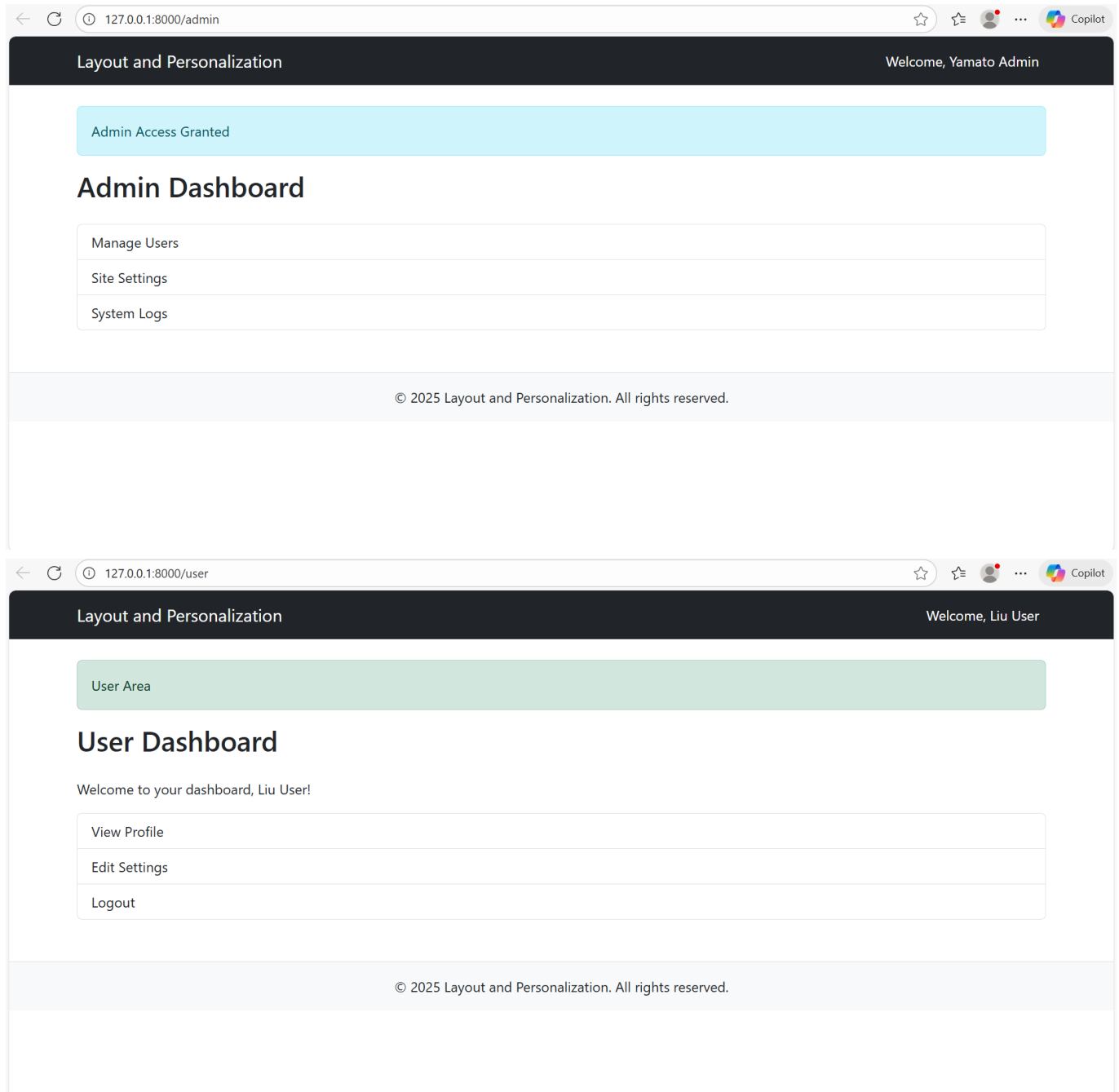
5. Buat view untuk Admin Buat direktori admin di resources/views jika belum ada. Kemudian, buat resources/views/admin/dashboard.blade.php:

```
projects > modul-4-blade-view > 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
```

6. Buat view untuk User Buat direktori user di resources/views jika belum ada. Kemudian, buat resources/views/user/dashboard.blade.php:

```
projects > modul-4-blade-view > 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
```

7. jalankan aplikasi

2.4 Praktikum 4 – Partial Views, Blade Components, dan Theme Switching di Laravel 12

1. Buat Proyek Laravel laravel new modul-4-laravel-ui cd modul-4-laravel-ui code .

2. Buat Controller php artisan make:controller UIController

3. Definisikan Routes Buka routes/web.php dan tambahkan:

```
4   use App\Http\Controllers\UIController;
5
6   Route::get('/', [UIController::class, 'home'])->name('home');
7   Route::get('/about', [UIController::class, 'about'])->name('about');
8   Route::get('/contact', [UIController::class, 'contact'])->name('contact');
9   Route::get('/profile', [UIController::class, 'profile'])->name('profile');
10  Route::get('/switch-theme/{theme}', [UIController::class, 'switchTheme'])->name('switch-theme');
```

4. Update Controller Edit app/Http/Controllers/UIController.php:

```php
ojects > modul-4-laravel-ui > app > Http > Controllers > ⬤ UIController.php > ...
 1   <?php
 2
 3   namespace App\Http\Controllers;
 4   use Illuminate\Http\Request;
 5
 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
15           'Partial Views',
16           'Blade Component',
17           'Theme Switching',
18           'Boostrap 5',
19           'responsive Design'
20
21       ];
22
23       return view('home', compact('theme', 'alertMessage', 'features'));
24       }
25
26
27
28       public function about(Request $request) {
29       $theme = session('theme', 'light');
30       $alertMessage = 'Halaman ini menggunakan Partial Views!';
31       $team = [
32           ['name' => 'Maisha', 'role' => 'Sweety Girl'],
33           ['name' => 'Bunga', 'role' => 'Iyup Girl'],
34           ['name' => 'Deva', 'role' => 'Typo Girl']
35       ];
36
37       return view('about', compact('theme', 'alertMessage', 'team'));
38   }
39
40       public function contact(Request $request)
41   {
42       $theme = session('theme', 'light');
43       $departments = [
44           'Technical Support',
45           'Sales',
46           'Billing',
47           'General Inquiry',
48
49       ];
50
51       return view('contact', compact('theme', 'departments'));
52   }
53
54       public function profile(Request $request)
55       {
56           $theme = session('theme', 'light');
57           $user = [
58               'name' => 'Maisha Zahrani',
59               'email' => 'zahranimaisha@gmail.com',
60               'join-date' => '2024-01-25',
61               'preferences' => ['Email Notification', 'Dark mode', 'Newsletter']
62           ];
63
64        return view ('profile', compact('theme', 'user'));
65
66       }
67
68       public function switchTheme(Request $request, $theme)
69       {
70           if (in_array($theme, ['light', 'dark'])){
71                   session(['theme' => $theme]);
72           }
73           return back();
74       }
75
76
77   }
78
```

5. Buat Layout Utama dengan Theme Support Buat direktori layouts di resources/views jika belum ada. Kemudian buat resources/views/layouts/app.blade.php:

```
projects > modul-4-laravel-ui > resources > views > layouts > 🦋 app.blade.php > 🔷 html
   1    <!DOCTYPE html>
   2    <html lang="id" data-bs-theme="{{ $theme }}">
   3    <head>
   4        <meta charset="UTF-8">
   5        <meta name="viewport" content="width=device-width, initial-scale=1.0">
   6        <title>@yield('title', 'Laravel UI Integrated Demo')</title>
   7        <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">
   8        <style>
   9            body{
  10                padding-top: 4rem;
  11                transition: all 0.3s ease;
  12                min-height: 100vh;
  13
  14            }
  15            .theme-demo {
  16                border-radius: 10px;
  17                padding: 20px;
  18                margin: 10pc 0;
  19                transition: all 0.3s ease;
  20            }
  21            .feature-card {
  22                transition: transform 0.2s ease;
  23            }
  24            .feature-card:hover {
  25                transform: translateY(-5px);
  26            }
  27        </style>
  28    </head>
  29    <body class="{{ $theme === 'dark' ? 'bg-dark text-light' : 'bg-light text dark' }}">
  30
  31        @include('partials.navigation')
  32
  33        <div class="container mt-4">
  34
  35            @if(isset($alertMessage) && !empty($alertMessage))
  36                @include('partials.alert', ['message' => $alertMessage, 'type' => 'info'])
  37            @endif
  38
  39            @yield('content')
  40        </div>
  41
  42        <x-footer :theme="$theme"/>
  43
  44        <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>
  45        <script>
  46        //smooth theme transition
  47        document.addEventListener('DOMContentLoaded', function() {
  48
  49            const themeLinks = document.querySelectorAll('a[href*="switch-theme"]');
  50            themeLinks.forEach(link => {
  51                link.addEventListener('click', function(e) {
  52                    e.preventDefault();
  53                    window.location.href = this.href;
  54                });
  55            });
  56        });
  57
  58        </script>
  59
  60    </body>
  61    </html>
```

6. Buat Partial Views Buat direktori partials di resources/views dan buat file berikut:
resources/views/partials/navigation.blade.php:

```
projects > modul-4-laravel-ui > resources > views > partials > 🦋 navigation.blade.php > ⬡ nav.navbar.navbar-expand-lg.{{.$theme.===dark.?.navbar-dark.bg-dark.:.navbar-light.bg-light.}}.fixed-top
1   <nav class="navbar navbar-expand-lg {{ $theme ==='dark' ? 'navbar-dark bg-dark' : 'navbar-light bg-light' }} fixed-top shadow">
2       <div class="container">
3           <a class="navbar-brand fw-bold" href="{{ route('home') }}">
4               laravel UI Demo
5           </a>
6
7           <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav">
8               <span class="navbar-toggler-icon"></span>
9           </button>
0
1           <div class="collapse navbar-collapse" id="navbarNav">
2               <ul class="navbar-nav me-auto">
3                   <li class="nav-item">
4                       <a class="nav-link {{ request()->routeIs('home') ? 'active' : '' }}" href="{{ route('home') }}">Home</a>
5
6                   </li>
7                   <li class="nav-item">
8                       <a class="nav-link {{ request()->routeIs('about') ? 'active' : '' }}" href="{{ route('about') }}">About</a>
9                   </li>
0
1                   <li class="nav-item">
2                       <a class="nav-link {{ request()->routeIs('contact') ? 'active' : '' }}" href="{{ route('contact') }}">Contact</a>
3                   </li>
4
5                   <li class="nav-item">
6                       <a class="nav-link {{ request()->routeIs('profile') ? 'active' : '' }}" href="{{ route('profile') }}">Profile</a>
7                   </li>
8               </ul>
9
0               <ul class="navbar-nav">
1                   <li class="nav-item dropdown">
2                       <a class="nav-link dropdown-toggle" href="#" role="button" data-bs-toggle="dropdown">
3                           Theme: {{ ucfirst($theme) }}
4                       </a>
5                       <ul class="dropdown-menu">
6                           <li><a class="dropdown-item" href="{{ route('switch-theme', 'light') }}">Light Mode</a></li>
7                           <li><a class="dropdown-item" href="{{ route('switch-theme', 'dark') }}">Dark Mode</a></li>
8                       </ul>
9                   </li>
0               </ul>
1           </div>
2       </div>
3   </nav>
```

Selanjutnya, buatkan sebuah file resources/views/partials/alert.blade.php:

```
projects > modul-4-laravel-ui > 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-dissmiss="alert"></button>
5   </div>
6   @endif
```

7. Buat Blade Components php artisan make:component Footer php artisan make:component FeatureCard php artisan make:component TeamMember php artisan make:component ContactForm

Kemudian, Edit resources/views/components/footer.blade.php:

```
@props(['theme' => 'light', 'icon' => null, 'title' => '', 'description' => '', 'badge' => null])
<footer class="mt-5 py-4 border-top {{ $theme === 'dark' ? 'border-secondary' : '' }}">
    <div class="container">
        <div class="row">
            <div class="col-md-6">
                <h5>Laravel UI Integrated Demo</h5>
                <p class="mb-0">Demonstrasi Partial Views, Blade Components, dan Theme Switching</p>
            </div>
            <div class="col-md-6 text-md-end">
                <p class="mb-0">
                    <strong>Current Theme:</strong>
                    <span class="badge {{ $theme === 'dark' ? 'bg-primary' : 'bg-dark' }}">
                        {{ ucfirst($theme) }}
                    </span>
                </p>
                <p class="mb-0">&copy; 2024 Laravel UI Demo. All rights reserved.</p>
            </div>
        </div>
    </div>
</footer>
```

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

```
projects > modul-4-laravel-ui > resources > views > components > 🥬 feature-card.blade.php > 🔗 div.card.feature-card.h-100.{{.($theme.??.light).==
1   @props(['theme' => 'light', 'icon' => null, 'title', 'description', 'badge' => null])
2   <div class="card feature-card h-100 {{ ($theme ?? 'light') === 'dark' ? 'bg-secondary text-white' : '
3       <div class="card-body">
4           <div class="d-flex align-items-center mb-3">
5               <span class="fs-2 me-3">{{ $icon ?? '⭐' }}</span>
6               <h5 class="card-title mb-0">{{ $title }}</h5>
7           </div>
8           <p class="card-text">{{ $description }}</p>
9           @if(isset($badge))
10              <span class="badge {{ $theme ==='dark' ? 'bg-light text-dark' : 'bg-dark' }}"></span>
11          @endif
12
13      </div>
14  </div>
```

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

```
projects > modul-4-laravel-ui > resources > views > components > 🥬 team-member.blade.php > 🔗 div.col-md-4.mb-
1    @props(['name', 'role', 'description', 'avatar' => null, 'theme' => 'light'])
2    <div class ="col-md-4 mb-4">
3        <div class="card {{ $theme === 'dark' ? 'bg-dark border-light': '' }} h-100">
4            <div class="card-body text-center">
5                <div class="mb-3">
6                    <span class="fs-1">{{ $avatar ?? '👤' }}</span>
7
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>
```

8. Buat Main Views Buat view-view utama: resources/views/home.blade.php:

```
ects > modul-4-laravel-ui > resources > views > 💖 home.blade.php > ...
    @extends('layouts.app')

    @section('title', 'Home - Integrated Demo')

    @section('content')
    <div class="row">
        <div class="col-12">
            <div class="theme-demo {{ $theme === 'dark' ? 'bg-dark border-light' : 'bg-white border' }} mb-5">
                <h1 class="display-4 mb-4">🚀 Laravel UI Integrated Demo</h1>
                <p class="lead">Demonstrasi lengkap Partial Views, Blade Components, dan Theme Switching dalam satu aplikasi terpadu.</p>

                <div class="row mt-5">
                    <div class="col-md-4 mb-4">
                        <x-feature-card
                            title="Partial Views"
                            icon="📁"
                            description="Gunakan @include untuk reusable UI components dengan data sederhana."
                            badge="Latihan 13"
                        />
                    </div>
                    <div class="col-md-4 mb-4">
                        <x-feature-card
                            title="Blade Components"
                            icon="🧩"
                            description="Komponen Blade dengan props dan slots untuk UI yang lebih kompleks."
                            badge="Latihan 14"
                        />
                    </div>
                    <div class="col-md-4 mb-4">
                        <x-feature-card
                            title="Theme Switching"
                            icon="🌓"
                            description="Toggle antara light dan dark mode dengan session persistence."
                            badge="Latihan 15"
                        />
                    </div>
                </div>
            </div>

            <div class="row">
                <div class="col-md-6">
                    <div class="card {{ $theme === 'dark' ? 'bg-dark border-light' : '' }} mb-4">
                        <div class="card-header">
                            <h5>Fitur Utama</h5>
                        </div>
                        <div class="card-body">
                            <ul class="list-group list-group-flush">
                                @foreach($features as $feature)
                                <li class="list-group-item {{ $theme === 'dark' ? 'bg-dark text-light' : '' }}">
                                    - {{ $feature }}
                                </li>
                                @endforeach
                            </ul>
                        </div>
                    </div>
                </div>
                <div class="col-md-6">
                    <div class="card {{ $theme === 'dark' ? 'bg-dark border-light' : '' }}">
                        <div class="card-header">
                            <h5>Teknologi yang Digunakan</h5>
                        </div>
                        <div class="card-body">
                            <div class="d-flex flex-wrap gap-2">
                                <span class="badge bg-primary">Laravel 12</span>
                                <span class="badge bg-success">Blade Templates</span>
                                <span class="badge bg-info">Bootstrap 5</span>
                                <span class="badge bg-warning">PHP 8.4</span>
                                <span class="badge bg-danger">Session Management</span>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
    @endsection
```

Selanjutnya, buat resources/views/about.blade.php:

```
ojects > modul-4-laravel-ui > 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    A space-separated list of the classes of the element. Classes allows CSS and JavaScript to select and access specific
7       <div class=    elements via the class selectors or functions like the method Document.getElementsByClassName() .
8           <div cl
9               <h1   MDN Reference
0               <p class="lead">Halaman ini mendemonstrasikan pengunaan <strong>partial Views</strong> dengan <code><code>&#64;include<,
1           </div>
2
3           <h3 class="mb-4">Tim kami</h3>
4           <div class="row">
5               @foreach($team as $member)
6               <x-team-member
7                   :name="$member['name'] "
8                   :role="$member['role'] "
9                   :theme="$theme"
0                   :avatar=" ['🧑','🧑','🧑'][$loop->index]"
1                   :description="'Bergabung sejak 2024 dan kontribusi dalam pengembangan'"
2               />
3               @endforeach
4
5           </div>
6
7           @include('partials.team-stats', ['theme' => $theme])
8       </div>
9
0   </div>
1   @endsection
```

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

```
ojects > modul-4-laravel-ui > resources > views > partials > 🌿 team-stats.blade.php > 💠 div.card.{{.$theme.==
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>
```

Selanjutnya, buat resources/views/contact.blade.php:

```blade
jects > modul-4-laravel-ui > 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
16                </div>
17
18                <div class="col-md-6">
19                    <div class="card {{ $theme === 'dark' ? 'bg-dark border-light' : '' }} h-100">
20                        <div class="card-header">
21                            <h5>Informasi Kontak</h5>
22                        </div>
23                        <div class="card-body">
24                            <p><strong>Email:</strong> info@laraveldemo.com</p>
25                            <p><strong>Telepon:</strong> +62 21 1234 5678</p>
26                            <p><strong>Alamat:</strong> Jakarta, Indonesia</p>
27
28                            <h6 class="mt-4">Department Tersedia:</h6>
29                            <ul>
30                                @foreach($departments as $dept)
31                                    <li>{{ $dept }}</li>
32                                @endforeach
33                            </ul>
34                        </div>
35                    </div>
36                </div>
37            </div>
38        </div>
39    </div>
40    @endsection
```

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

```blade
jects > modul-4-laravel-ui > resources > views > components > 🐦 contact-form.blade.php > 😍 div > 😍 div.card.{{.$theme.===.dark.?.bg-dark.border-light..}}.h-100 > 😍 div.card-body > 😍 form
 1    @props(['theme' => 'light'])
 2    <div>
 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>
38
39    </div>
```
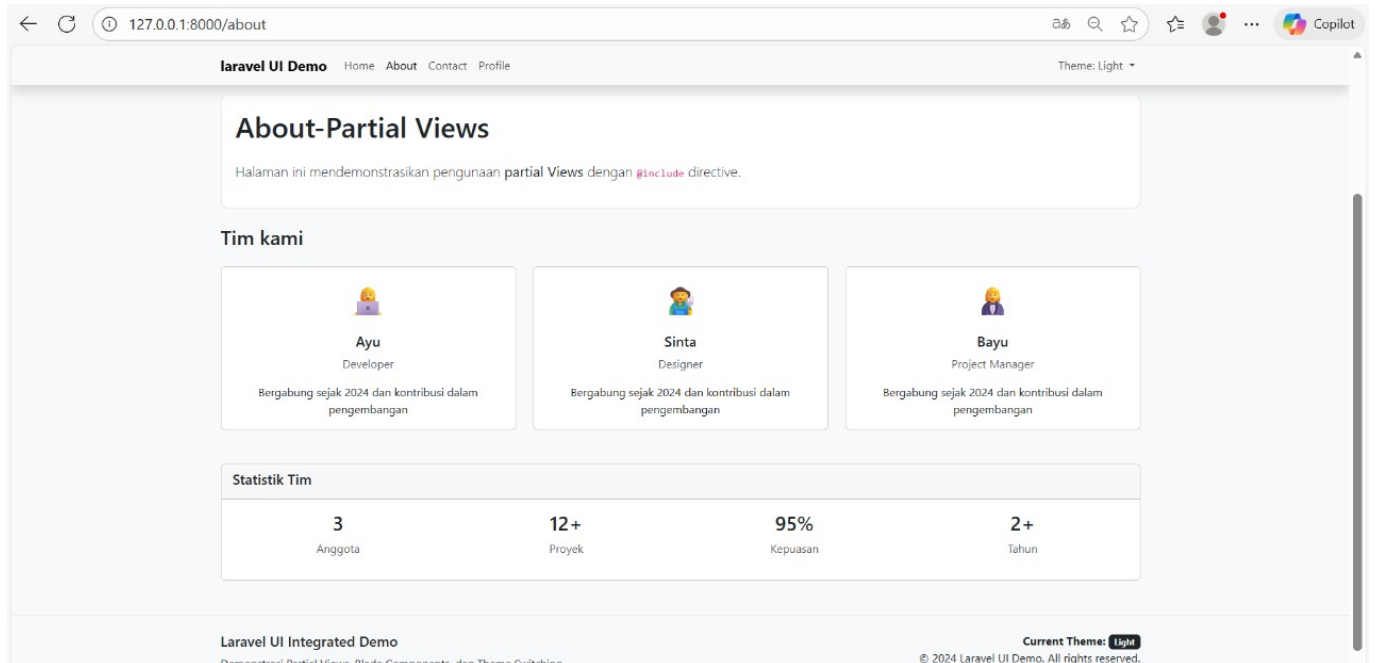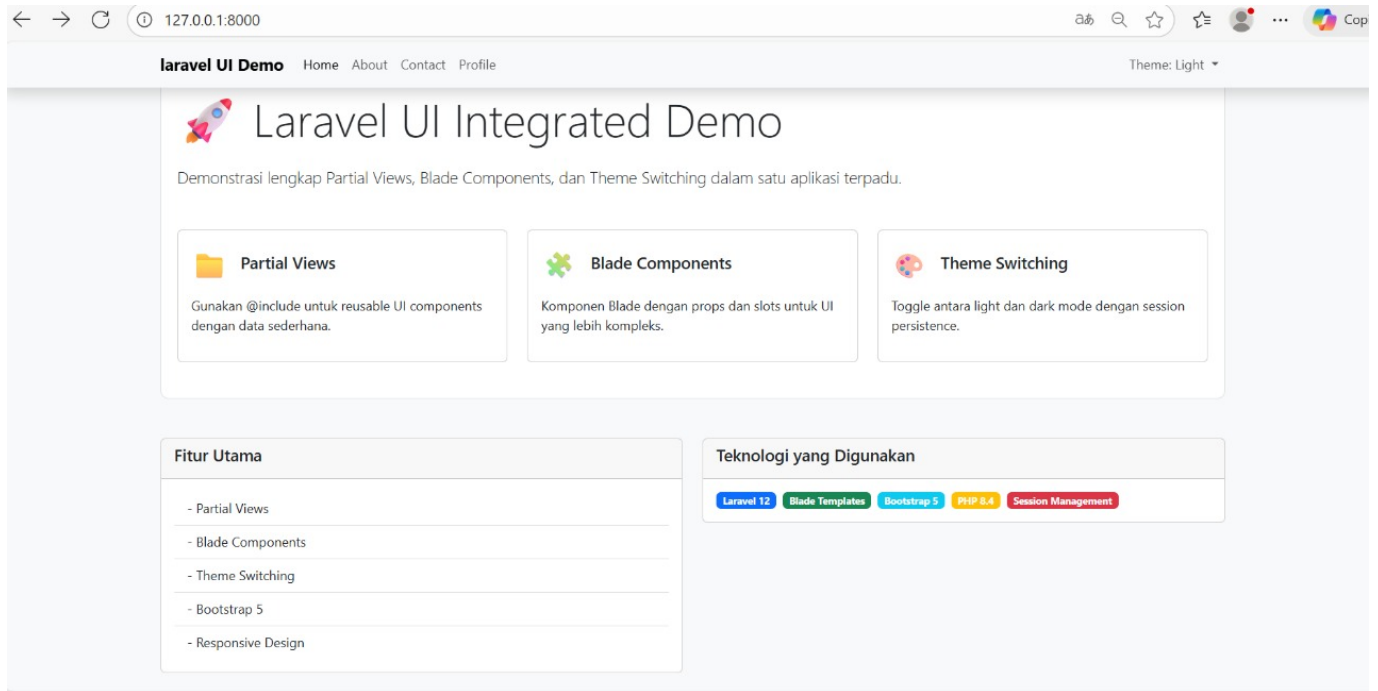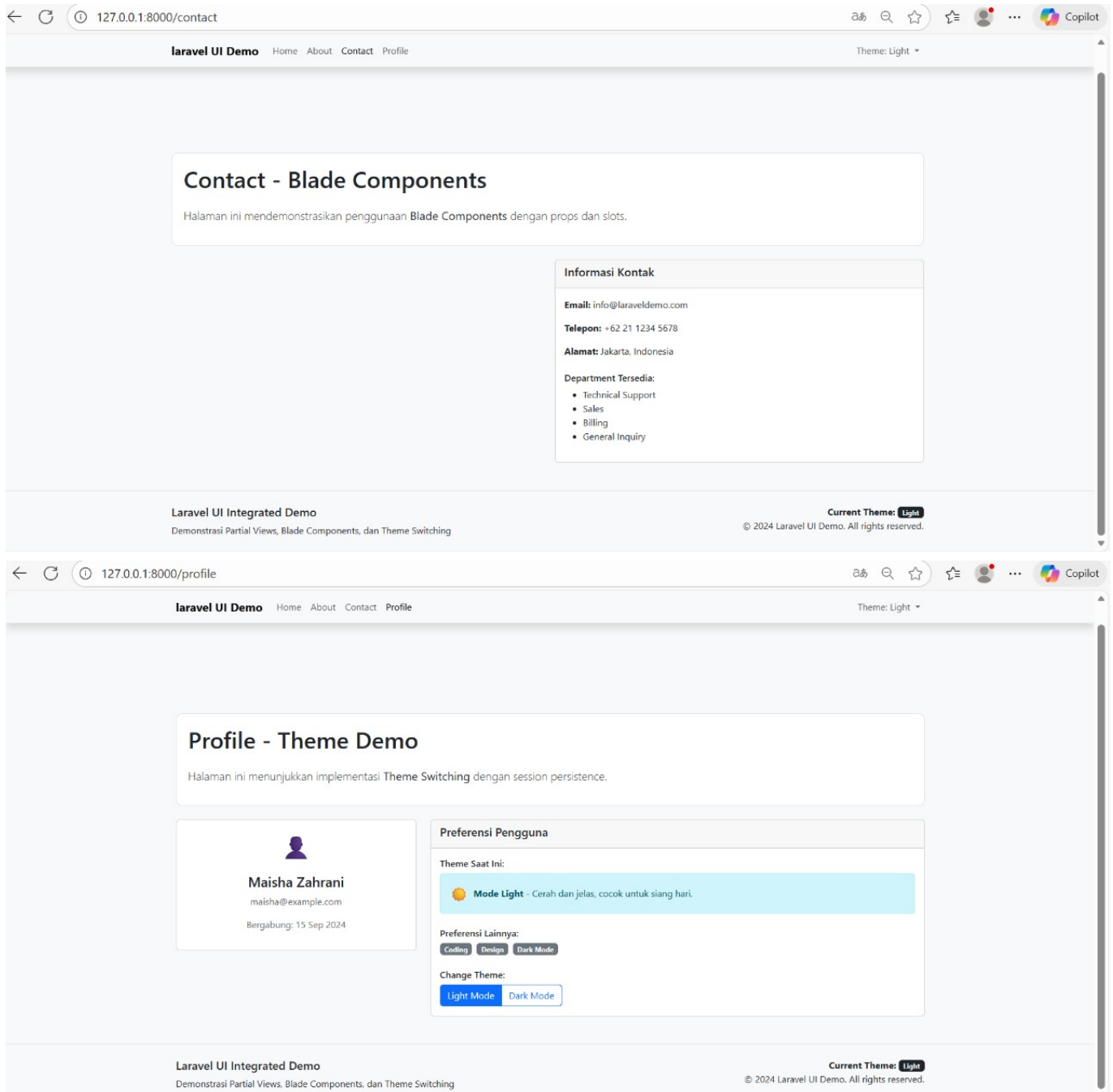
Kemudian, buat resources/views/profile.blade.php:

```php
projects > modul-4-laravel-ui > 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               <h1 class="mb-4">Profile - Theme Demo</h1>
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="fs-1">👤 </span>
19                           </div>
20                           <h4>{{ $user['name'] }}</h4>
21                           <p class="text-muted">{{ $user['email'] }}</p>
22                           <p class="text-muted">Bergabung: {{ date('d M Y', strtotime($user['join-date'])) }}</p>
23                       </div>
24                   </div>
25               </div>
26
27               <div class="col-md-8">
28                   <div class="card {{ $theme === 'dark' ? 'bg-dark border-light' : '' }}">
29                       <div class="card-header">
30                           <h5>Preferensi Pengguna</h5>
31                       </div>
32                       <div class="card-body">
33                           <h6>Theme Saat Ini:</h6>
34                           <div class="alert alert-{{ $theme === 'dark' ? 'dark' : 'info' }} d-flex align-items-center">
35                               <span class="me-2 fs-4">{{ $theme === 'dark' ? '🌙' : '☀️' }}</span>
36                               <div>
37                                   <strong>Mode {{ ucfirst($theme) }}</strong> -
38                                   @if($theme === 'dark')
39                                       Nyaman di malam hari dan mengurangi ketegangan mata.
40                                   @else
41                                       Cerah dan jelas, cocok untuk siang hari.
42                                   @endif
43                               </div>
44                           </div>
45
46                           <h6 class="mt-4">Preferensi Lainnya:</h6>
47                           <div class="d-flex flex-wrap gap-2">
48                               @foreach($user['preferences'] as $pref)
49                               <span class="badge bg-secondary">{{ $pref }}</span>
50                               @endforeach
51                           </div>
52
53                           <div class="mt-4">
54                               <h6>Change Theme:</h6>
55                               <div class="btn-group" role="group">
56                                   <a href="{{ route('switch-theme', 'light') }}"
57                                       class="btn btn-{{ $theme === 'light' ? 'primary' : 'outline-primary' }}">
58                                       Light Mode
59                                   </a>
60                                   <a href="{{ route('switch-theme', 'dark') }}"
61                                       class="btn btn-{{ $theme === 'dark' ? 'primary' : 'outline-primary' }}">
62                                       Dark Mode
63                                   </a>
64                               </div>
65                           </div>
66                       </div>
67                   </div>
68               </div>
69           </div>
70       </div>
71   </div>
72   @endsection
```

9. Jalankan dan Test Aplikasi

3. Hasil dan Pembahasan

Praktikum 1 – Mengirim Data ke View Data yang dikirim dari controller bisa langsung ditampilkan di halaman menggunakan {{ }}. Ini membuat isi halaman bisa berubah sesuai data tanpa menulis ulang kode HTML.

Praktikum 2 – Struktur Kontrol Blade Blade menyediakan perintah seperti @if, @else, dan @foreach untuk logika dan perulangan. Dengan ini, kode HTML tidak bercampur dengan kode PHP, jadi tampilannya lebih bersih dan mudah dibaca.

Praktikum 3 – Layout dan Bootstrap Penggunaan @extends dan @section membuat setiap halaman punya tampilan yang sama (misalnya header dan footer). Layout dasar hanya dibuat satu kali dan bisa digunakan di banyak halaman. Tambahan Bootstrap juga membantu memperindah tampilan web.

Praktikum 4 – Partial dan Component Partial (@include) dan component () digunakan untuk bagian web yang sering dipakai berulang, seperti navbar, footer, atau form. Dengan cara ini, kode lebih mudah dikelola dan

tidak perlu diketik berulang kali.Fitur theme switching juga membuat tampilan bisa diubah tanpa mengganggu struktur utama aplikasi.

Secara keseluruhan, semua percobaan berhasil dan menunjukkan bahwa Blade sangat membantu dalam membuat tampilan web yang terstruktur, rapi, dan mudah diubah.

4. Kesimpulan

Dari hasil praktikum, bisa disimpulkan bahwa Blade membuat pembuatan tampilan web di Laravel jadi lebih mudah. Dengan Blade, bagian tampilan dan logika program bisa dipisahkan, jadi kodenya tidak berantakan dan lebih enak dibaca. Fitur seperti layout, section, include, dan component juga membantu supaya tampilan bisa dipakai ulang tanpa perlu menulis ulang kodenya. Selain itu, sintaks Blade sederhana dan mudah dimengerti, sehingga membuat proses pembuatan web jadi lebih cepat. Ditambah lagi, penggunaan Bootstrap membuat tampilan web terlihat lebih menarik dan rapi di setiap halaman. Secara keseluruhan, Blade sangat membantu dalam membuat web yang rapi, mudah diatur, dan efisien.

5. Referensi

1. https://hackmd.io/@mohdrzu/r1AIUzWpll
2. fitur-fitur utama dan konsep penting dalam blade https://chatgpt.com