

LAPORAN PRAKTIKUM PEMROGRAMAN FRAMEWORK

MODUL 3 Routing dan Bundling Asset di Laravel



Sistem Informasi
Telkom University
Surabaya

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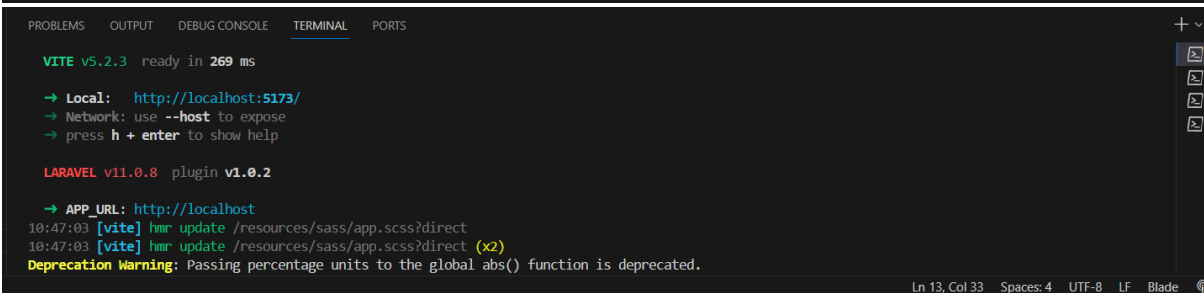
**PROGRAM STUDI S1 SISTEM INFORMASI
FAKULTAS REKAYASA INDUSTRI
TELKOM UNIVERSITY SURABAYA
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1. Generate Laravel Project dan Laravel UI

```
PS D:\Master E\Kuliah semester 4\framework\Praktikum3\Tugas3> npm run build

> build
> vite build

vite v5.2.3 building for production...
✓ 105 modules transformed.
public/build/manifest.json      0.28 kB | gzip: 0.15 kB
public/build/assets/app-D-sv12UV.css 225.52 kB | gzip: 30.41 kB
public/build/assets/app-BziwsqBe.js 111.78 kB | gzip: 36.47 kB
✓ built in 3.20s
PS D:\Master E\Kuliah semester 4\framework\Praktikum3\Tugas3> 
```



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
VITE v5.2.3 ready in 269 ms
→ Local: http://localhost:5173/
→ Network: use --host to expose
→ press h + enter to show help
LARAVEL v11.0.8 plugin v1.0.2
→ APP_URL: http://localhost
10:47:03 [vite] hmr update /resources/sass/app.scss?direct
10:47:03 [vite] hmr update /resources/sass/app.scss?direct (x2)
Deprecation Warning: Passing percentage units to the global abs() function is deprecated.
```

```
MINGW64:/d/Master E/Kuliah semester 4/framework/Praktikum3/Tugas3
INFO Server running on [http://127.0.0.1:8000].
Press Ctrl+C to stop the server
2024-03-23 10:24:56 ..... ~ 0s
2024-03-23 10:24:56 /favicon.ico ..... ~ 0s
2024-03-23 10:35:27 ..... ~ 0s
2024-03-23 10:35:27 /favicon.ico ..... ~ -6s
ifqi@MSI MINGW64 /d/Master E/Kuliah semester 4/framework/Praktikum3/Tugas3
php artisan serve
INFO Server running on [http://127.0.0.1:8000].
Press Ctrl+C to stop the server
```

- Composer create-project laravel/laravel basic-routing digunakan untuk membuat folder laravel bernama basic-routing
- Composer require laravel/ui: digunakan untuk menginstal paket Laravel UI ke dalam project Laravel basic-routing
- php artisan ui bootstrap: digunakan untuk menginstal scaffolding Bootstrap setelah Anda menginstal Laravel UI ke dalam project Laravel
- npm install: Perintah yang digunakan untuk menginstal paket JavaScript dari NPM (Node Package Manager) ke dalam project Node.js
- php artisan serve: perintah yang digunakan untuk menjalankan server web bawaan PHP di dalam project Laravel

2. Bundling Asset dengan Vite

```
import { defineConfig } from 'vite';
```

```
import laravel from 'laravel-vite-plugin';

export default defineConfig({
  plugins: [
    laravel({
      input: [
        'resources/sass/app.scss',
        'resources/js/app.js',
      ],
      refresh: true,
    }),
  ],
});
```

Codingan di atas merupakan konfigurasi untuk Vite, sebuah alat bantu pengembangan yang digunakan dalam proyek Laravel. Kode tersebut mendefinisikan plugin Laravel yang memungkinkan Vite diintegrasikan dengan Laravel. Plugin ini akan memproses file-file Sass dan JavaScript yang ditentukan, serta secara otomatis memuat ulang halaman web saat terjadi perubahan pada file-file tersebut untuk memudahkan proses pengembangan.

3. Laravel Routing

Routes/web.php

```
Route::get('/', function () {
    return view('welcome');
});
```

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Belajar Laravel Routing</title>
  @vite('resources/sass/app.scss')
</head>
<body>
  <div class="container m-5">
    <h1>Belajar Laravel Routing</h1>

    <div class="list-group list-group-numbered mt-4">
      {{-- Kode anda selanjutnya letakkan di sini --}}
    </div>

    {{-- Khusus kode program untuk Route Groups di sini --}}
  </div>
  @vite('resources/js/app.js')
</body>
</html>
```

Kode tersebut merupakan struktur HTML untuk halaman "Belajar Laravel Routing". Bagian ``<head>`` mengatur pengkodean, viewport, judul halaman, dan memuat file Sass. Bagian ``<body>`` berisi kontainer dengan judul dan tempat untuk menampilkan daftar routing serta

grup routing yang akan dibuat, juga memuat file JavaScript. Keseluruhan kode ini menyiapkan lingkungan dasar untuk pembelajaran routing di Laravel.

4. Praktik view Route

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>View Route</title>
  @vite('resources/sass/app.scss')
</head>
<body>
  <div class="container m-5">
    <h1>This is from View Route</h1>
    <p>Hello, My name is {{ $name }}</p>
  </div>
  @vite('resources/js/app.js')
</body>
</html>
```

Routes/php

```
Route::view('/view_route', 'view_route');
Route::view('/view_route', 'view_route', ['name' => 'Purnama']);
```

This is from View Route

Hello, My name is Purnama

Kode tersebut terdiri dari dua bagian, yaitu struktur HTML dan definisi rute di Laravel. Struktur HTML merupakan tampilan (view) yang akan ditampilkan di browser. Tampilan ini berisi judul "View Route", sebuah paragraf yang menampilkan nama yang diterima dari rute, serta memuat file Sass dan JavaScript. Sementara itu, bagian routing di Laravel mendefinisikan dua rute dengan metode `Route::view`. Rute pertama `/view_route` akan menampilkan tampilan `view_route` tanpa data apapun. Rute kedua `/view_route` juga menampilkan tampilan `view_route`, namun dengan mengirimkan data `name` bernilai "Purnama" yang akan ditampilkan di paragraf dalam tampilan tersebut. Secara keseluruhan, kode ini mendemonstrasikan cara menggunakan rute view di Laravel untuk menampilkan tampilan HTML dan mengirimkan data ke tampilan tersebut.

5. View Route List

```
C:\Windows\System32\cmd.exe
POST      _ignition/update-config ..... ignition.updateConfig > Spatie\LaravelIgnition > UpdateConfigController
GET|HEAD  admin/dashboard ..... admin.dashboard
GET|HEAD  admin/items ..... admin.items
GET|HEAD  admin/users ..... admin.users
GET|HEAD  basic_routing .....
GET|HEAD  controller_route ..... RouteController@index
GET|HEAD  profile/{profileId} ..... profileRouteName > RouteController@profile
GET|HEAD  route_priority/user .....
GET|HEAD  route_priority/{rpId} .....
GET|HEAD  routing .....
GET|HEAD  title/{title} .....
GET|HEAD  up .....
GET|HEAD  username/{name?} .....
GET|HEAD  view_route .....
GET|HEAD  {fallbackPlaceholder} .....

Showing [18] routes

D:\Master E\Kuliah semester 4\framework\Praktikum3\Tugas3>php artisan route:cache

  INFO  Routes cached successfully.

D:\Master E\Kuliah semester 4\framework\Praktikum3\Tugas3>php artisan route:clear

  INFO  Route cache cleared successfully.

D:\Master E\Kuliah semester 4\framework\Praktikum3\Tugas3>
```

TUGAS

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Bootstrap Clone</title>
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0
alpha2/dist/css/bootstrap.min.css" />
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap
icons@1.6.0/font/bootstrap-icons.css" />
  @vite(["resources/sass/app.scss"])
</head>

<body>
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0
alpha2/dist/js/bootstrap.bundle.min.js"></script>
  <!-- Navbar -->
  <nav class="navbar fixed-top navbar-expand-lg bg-purple" data-bs-
theme="dark">
    <!-- Container -->
    <div class="container py-2 px-4">
      <!-- Navbar Brand -->
      <a href="#" class="navbar-brand mb-0 h1">
        
```

```

        </a>
        <!-- Navbar Toggler -->
        <button type="button" class="navbar-toggler" data-bs-
toggle="offcanvas"
data-bs-target="#offcanvasNavbar">
        <span class="navbar-toggler-icon"></span>
        </button>
        <!-- Offcanvas -->
        <div class="offcanvas offcanvas-end bg-purple"
id="offcanvasNavbar">
        <!-- Offcanvas Header -->
        <div class="offcanvas-header pb-0 px-4">
        <h5 class="offcanvas-title text-white"
id="offcanvasNavbarLabel">Bootstrap</h5>
        <button type="button" class="btn-close" data-bs-
dismiss="offcanvas" aria-label="Close"></button>
        </div>
        <!-- Offcanvas Body -->
        <div class="offcanvas-body pt-0 px-4">
        <hr class="d-md-none text-white-50">
        <!-- Horizontal Line -->
        <!-- Top Menu -->
        <ul class="navbar-nav flex-row flex-wrap">
        <li class="nav-item col-6 col-md-auto"><a href="#"
class="nav-link active">Docs</a></li>
        <li class="nav-item col-6 col-md-auto"><a href="#"
class="nav-link">Examples</a></li>
        <li class="nav-item col-6 col-md-auto"><a href="#"
class="nav-link">Icons</a></li>
        <li class="nav-item col-6 col-md-auto"><a href="#"
class="nav-link">Themes</a></li>
        <li class="nav-item col-6 col-md-auto"><a href="#"
class="nav-link">Blog</a></li>
        </ul>
        <hr class="d-md-none text-white-50">
        <!-- Horizontal Line -->
        <!-- Sosial Media -->
        <ul class="navbar-nav flex-row flex-wrap ms-md-auto">
        <li class="nav-item col-6 col-md-auto"><a href="#"
class="nav-link active"><i class="bi-github"></i><small class="ms-2d-md
none">Github</small> </a> </li>
        <li class="nav-item col-6 col-md-auto">
        <a href="#" class="nav-link active">
        <i class="bi-twitter"></i>
        <small class="ms-2d-md-none">Twitter</small>
        </a>
        </li>
        <li class="nav-item col-6 col-md-auto">

```

```

        <a href="#" class="nav-link active">
            <i class="bi-slack"></i>
            <small class="ms-2d-md-none">Slack</small>
        </a>
    </li>
    <li class="nav-item col-12 col-lg-auto">
        <div class="vr d-none d-lg-flex h-100 mx-lg-2text
white"></div>
        <hr class="d-lg-none my-2 text-white-50">
    </li>
    <li class="nav-item"></li>
    <!-- Dropdown -->
    <div class="dropdown" data-bs-theme="light">
        <button type="button" class="btn nav-link text-
white
dropdown-toggle" data-bs-toggle="dropdown" aria-expanded="false">
            <span class="d-lg-none">Bootstrap</span> v5.3
        </button>
        <ul class="dropdown-menu dropdown-menu-end">
            <li>
                <h6 class="dropdown-header">v5 releases
                </h6>
            </li>
            <li><button class="dropdown-item activebg-
purple"
type="button"><small>Latest (5.3.x) <iclass="bi-
check"></i></small></button></li>
            <li><button class="dropdown-item"
type="button"><small>v5.2.3</small></button></li>
            <li><button class="dropdown-item"
type="button"><small>v5.1.3</small></button></li>
            <li><button class="dropdown-item"
type="button"><small>v5.0.2</small></button></li>
            <li>
                <hr class="dropdown-divider">
            </li>
            <li>
                <h6 class="dropdown-header">Previous
releases
                </h6>
            </li>
            <li><button class="dropdown-item"
type="button"><small>v4.6.x</small></button></li>
            <li><button class="dropdown-item"
type="button"><small>v3.4.1</small></button></li>
            <li><button class="dropdown-item"
type="button"><small>v2.3.2</small></button></li>
            <li>

```

```

                <hr class="dropdown-divider">
            </li>
            <li><button class="dropdown-item"
type="button"><small>All versions</small></button></li>
            </ul>
        </div>
    </li>
    <li class="nav-item col-12 col-lg-auto">
        <div class="vr d-none d-lg-flex h-100 mx-lg-2 text
white"></div>
        <hr class="d-lg-none my-2 text-white-50">
    </li>
    <li class="nav-item">
        <div class="dropdown" data-bs-theme="light">
            <button type="button" class="btn nav-link
text-white
                dropdown-toggle" data-bs-toggle="dropdown" aria
expanded="false">
                <i class="bi-brightness-high-fill"></i><span
class="d-lg-none">Toggle theme</span>
            </button>
            <ul class="dropdown-menu dropdown-menu-end">
                <li><button class="dropdown-item activebg-
purple"
type="button"><small><i class="bi-brightness-high-fillme
2"></i>Light</small></button></li>
                <li><button class="dropdown-item"
type="button"><small><i class="bi-moon-stars-fillme-
2"></i>Dark</small></button></li>
                <li><button class="dropdown-item"
type="button"><small><i class="bi-circle-halfme-
2"></i>Auto</small></button></li>
            </ul>
        </div>
    </li>
</ul>
</div>
</div>
</div>
</nav>
<!-- Main -->
<div class="bg-light mt-5" id="main">
    <!-- Container -->
    <div class="container py-5 px-4">
        <div class="row">
            <div class="col-md-5 order-md-2">
                

```



```

        </div>
        <div class="col-md-7 order-md-1">
            <h1 class="mt-4 display-3">Build fast, responsive sites
with
Bootstrap

            </h1>
            <p class="fs-5 mt-3">Quickly design and customize
responsive
mobile-first sites with Bootstrap, the world's most popular front-end open
source
toolkit, featuring Sass variables and mixins, responsive grid system,
extensive
prebuilt components, and powerful
JavaScript plugins.</p>
            <div class="row">
                <div class="d-flex flex-column flex-md-row">
                    <button type="button" class="btn bg-purple text-
white

                    btn-lg mb-3 me-md-3 px-4 py-3">Get Started</button>
                    <button type="button" class="btn btn-outline-dark
btn-lg

                    mb-3 px-4 py-3">Download</button>
                </div>
            </div>
            <div class="text-muted">
                Currently <strong>v5.3.0-alpha2.</strong> · <a
href="#">v4.6.x docs</a> · <a href="#">All releases</a>
            </div>
        </div>
    </div>
</div>
<!-- Bootstrap Icons -->
<div id="bs-icons">
    <!-- Container -->
    <div class="container py-5 px-4">
        <div class="row">
            <div class="col-lg-6">
                <div class="mb-3">
                    <i class="bi bi-subtract fs-2 bg-warning py-2 px-3
rounded
3text-white"></i>
                </div>
                <h2 class="display-5 mb-3">Personalize it with
<br/>Bootstrap
Icons

            </div>

```

```

        <p class="fs-5"><a href="#">Bootstrap Icons</a> is an open
source
SVG icon library featuring over 1,800 glyphs, with more added every release.
They're
designed to work in any project, whether you use Bootstrap itself or not. Use
them as
SVGs or icon
        fonts--both options give you vector scaling and easy
customization via CSS.</p>
        <a class="icon-link icon-link-hover lead fw-semibold mb-5"
href="#">Get Bootstrap Icons<i class="bi bi-arrow-right mb-2"></i>
        </a>
    </div>
    <div class="col-lg-6">
        
    </div>
</div>
</div>
<!-- Bootstrap Official Themes -->
<div id="bs-themes">
    <!-- Container -->
    <div class="container py-5 px-4">
        <div class="row">
            <div class="col-lg-6">
                <div class="mb-3 mt-5">
                    <i class="bi bi-droplet-fill fs-2 bg-info py-2 px-3
rounded
3text-white"></i>
                </div>
                <h2 class="display-5">Make it yours with official
Bootstrap
Themes
                </h2>
                <p class="fs-5">Take Bootstrap to the next level with
premium
themes from the <a href="#">official Bootstrap Themes marketplace</a>. Themes
are
built on Bootstrap as their own extended frameworks, rich with new components
and
plugins, documentation,
                and powerful build tools.</p>
                <a class="icon-link icon-link-hover lead fw-semibold mb-5"
href="#">Browse Bootstrap Themes<i class="bi bi-arrow-right mb-2"></i></a>
            </div>
            <div class="col-lg-6">

```

```

        
    </div>
</div>
</div>
</div>
<!-- Footer -->
<div id="footer" class="bg-light py-5">
    <!-- Container -->
    <div class="container py-5 px-4">
        <div class="row">
            <div class="col-lg-3 mb-5">
                <a href="#" class="logo text-decoration-none">
                    <div class="d-flex">
                        
                        <div class="fs-5 ms-2 text-black">Bootstrap</div>
                    </div>
                </a>
                <div class="mt-2 text-muted">
                    <small>Designed and built with all the love in the
world by
the <a href="#" class="text-black">Bootstrap team</a> with the help of <a
href="#"
class="text-black">our contributors</a>.</small>
                </div>
                <div class="mt-2 text-muted">
                    <small>Code licensed <a href="#" class="text-
black">MIT</a>,
docs <a href="#" class="text-black">CC BY 3.0</a>.</small>
                </div>
                <div class="mt-2 text-muted">
                    <small>Currently v5.3.0-alpha2.</small>
                </div>
            </div>
            <div class="col-6 col-lg-2 offset-lg-1 mb-5">
                <h5>Links</h5>
                <ul class="list-unstyled">
                    <li class="mb-2"><a href="#">Home</a></li>
                    <li class="mb-2"><a href="#">Docs</a></li>
                    <li class="mb-2"><a href="#">Examples</a></li>
                    <li class="mb-2"><a href="#">Icons</a></li>
                    <li class="mb-2"><a href="#">Themes</a></li>
                    <li class="mb-2"><a href="#">Blog</a></li>
                    <li class="mb-2"><a href="#">Swag Store</a></li>
                </ul>
            </div>
        </div>
    </div>

```

```
CSS:
.bg-purple {
    background-color: #7533F9 !important;
}

#main a {
    color: gray;
}

#main a:hover {
    color: rgb(73, 73, 73);
}
```

```
}  
  
#footer a {  
  text-decoration: none;  
  color: black;  
}  
  
#footer a:hover {  
  text-decoration: underline;  
  color: var(--bs-primary) !important;  
}
```

