

Laporan Pemrograman Web Lanjut

Jobsheet 5 : Blade View, Web Templating(AdminLTE), Datatables

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SIB 2B

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

2023/2024

Bootstrap pada Laravel

Laravel menyediakan titik awal dasar menggunakan Bootstrap. Secara default, Laravel menggunakan NPM untuk menginstal paket frontend ini. Untuk menggunakannya, dapat dilakukan langkah-langkah berikut:

Dalam jobsheet ini instalasi bootstrap dilakukan dibagian praktikum. Berikut ini hanya pengetahuan cara instalasi umumnya.

1. Melakukan instalasi Node.js. Installer dapat diperoleh dari <https://nodejs.org/en/>. Sesuaikan dengan sistem operasi yang digunakan.
2. Untuk memastikan instalasi Node.js dan NPM berjalan lancar, Anda dapat memeriksanya dengan menjalankan dua perintah berikut melalui Command Prompt:
node -v

```
PS D:\laragon\www\PEMROGRAMAN-WEB-LANJUT-2025\Minggu 5\PWL_POS> node -v  
v22.14.0
```

npm -v

```
PS D:\laragon\www\PEMROGRAMAN-WEB-LANJUT-2025\Minggu 5\PWL_POS> npm -v  
10.9.2
```

Setelah Anda mengetikkan kedua perintah tersebut, Command Prompt akan menunjukkan versi Node.js dan NPM yang ter-install di komputer.

3. Kemudian melalui command prompt, ubah direktori ke dalam direktori project laravel yang telah dibuat sebelumnya.
4. Scaffolding Bootstrap yang disediakan oleh Laravel terletak di dalam paket Composer, yang dapat diinstal menggunakan Composer:laravel/ui.

```
PS D:\laragon\www\PEMROGRAMAN-WEB-LANJUT-2025\Minggu 5\PWL_POS> composer require laravel/ui  
./composer.json has been updated  
Running composer update laravel/ui  
Loading composer repositories with package information  
Updating dependencies  
Lock file operations: 1 install, 0 updates, 0 removals  
- Locking laravel/ui (v4.6.1)  
Writing lock file  
Installing dependencies from lock file (including require-dev)  
Package operations: 1 install, 0 updates, 0 removals  
- Downloading laravel/ui (v4.6.1)  
- Installing laravel/ui (v4.6.1): Extracting archive
```

5. Setelah paket diinstal, kita dapat menginstal scaffolding frontend menggunakan perintah Artisan:laravel/ui

```
PS D:\laragon\www\PEMROGRAMAN-WEB-LANJUT-2025\Minggu 5\PWL_POS> php artisan ui bootstrap  
  
INFO Bootstrap scaffolding installed successfully.  
  
WARN Please run [npm install && npm run dev] to compile your fresh scaffolding.
```

```

PS D:\laragon\www\PEMROGRAMAN-WEB-LANJUT-2025\Minggu 5\PWL_POS> php artisan ui bootstrap --auth

The [Controller.php] file already exists. Do you want to replace it? (yes/no) [yes]
> yes

[INFO] Authentication scaffolding generated successfully.

[INFO] Bootstrap scaffolding installed successfully.

[WARN] Please run [npm install && npm run dev] to compile your fresh scaffolding.

```

6. Sebelum mengompilasi CSS, install dependensi frontend proyek Anda menggunakan Node package manager (NPM) :

```

PS D:\laragon\www\PEMROGRAMAN-WEB-LANJUT-2025\Minggu 5\PWL_POS> npm install

up to date, audited 54 packages in 4s

16 packages are looking for funding
  run `npm fund` for details

2 moderate severity vulnerabilities

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.

```

7. Setelah paket diinstal, Anda dapat menggunakan perintah berikut untuk mengompilasi aset Anda .

```

PS D:\laragon\www\PEMROGRAMAN-WEB-LANJUT-2025\Minggu 5\PWL_POS> npm run dev

> dev
> vite

VITE v5.4.14 ready in 1016 ms

→ Local:   http://localhost:5173/
→ Network: use --host to expose
→ press h + enter to show help

LARAVEL v10.48.28 plugin v1.2.0

→ APP_URL: http://localhost

```

Praktikum 1 – Integrasi Laravel dengan AdminLTE3

1. Dalam root folder project lakukan command berikut, untuk mendefinisikan requirement project.

```
PS D:\laragon\www\PEMROGRAMAN-WEB-LANJUT-2025\Minggu 5\PWL_POS> composer require jeroennoten/laravel-adminlte
./composer.json has been updated
Running composer update jeroennoten/laravel-adminlte
Loading composer repositories with package information
Updating dependencies
Lock file operations: 2 installs, 0 updates, 0 removals
  - Locking almasaeed2010/adminlte (v3.2.0)
  - Locking jeroennoten/laravel-adminlte (v3.15.0)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 2 installs, 0 updates, 0 removals
  - Downloading almasaeed2010/adminlte (v3.2.0)
  - Installing jeroennoten/laravel-adminlte (v3.15.0): Extracting archive
```

2. Melakukan instalasi requirement project di atas dengan command berikut:

```
PS D:\laragon\www\PEMROGRAMAN-WEB-LANJUT-2025\Minggu 5\PWL_POS> php artisan adminlte:install
AdminLTE assets files published successfully
Configuration file published successfully
Translation files published successfully
The installation is complete.
```

Perintah diatas akan meng install :

- AdminLTE distribution files dan dependensinya (Bootstrap, jQuery, etc.) dalam folder public/vendor .
- Konfigurasi package di file config/adminlte.php
- Paket translasi di folder lang/vendor/adminlte/
- Dalam composer.json akan otomatis ditambahkan require untuk laravel-adminlte

```
Minggu 5 > PWL_POS > {} composer.json > ...
1  {}
2  "name": "laravel/laravel",
3  "type": "project",
4  "description": "The skeleton application for the Laravel framework.",
5  "keywords": ["laravel", "framework"],
6  "license": "MIT",
7  "require": {
8      "php": "^8.1",
9      "guzzlehttp/guzzle": "^7.2",
10     "jeroennoten/laravel-adminlte": "^3.15",
11     "laravel/framework": "^10.10",
12     "laravel/sanctum": "^3.3",
13     "laravel/tinker": "^2.8",
14     "laravel/ui": "^4.6"
15 },
16 "require-dev": {
17     "fakerphp/faker": "^1.9.1",
18     "laravel/pint": "^1.0",
19     "laravel/sail": "^1.18",
20     "mockery/mockery": "^1.4.4",
21     "nunomaduro/collision": "^7.0",
22     "phpunit/phpunit": "^10.1",
23     "spatie/laravel-ignition": "^2.0"
24 },
25 "autoload": {
26     "psr-4": {
```

3. Buat file resources/views/layout/app.blade.php. Isi dengan kode berikut.

```

1 |<doctype html>
2 <html lang="{{ str_replace('_', '-', app()->getLocale()) }}">
3 <head>
4     <meta charset="utf-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1">
6
7     <!-- CSRF Token -->
8     <meta name="csrf-token" content="{{ csrf_token() }}">
9
10    <title{{ config('app.name', 'Laravel') }}</title>
11
12    <!-- Fonts -->
13    <link rel="dns-prefetch" href="//fonts.bunny.net">
14    <link href="https://fonts.bunny.net/css?family=dm-sans" rel="stylesheet">
15
16    <!-- Scripts -->
17    @vite(['resources/sass/app.scss', 'resources/js/app.js'])
18 </head>
19 <body>
20     <div id="app">
21         <nav class="navbar navbar-expand-md navbar-light bg-white shadow-sm">
22             <div class="container">
23                 <a class="navbar-brand" href="{{ url('/') }}">
24                     {{ config('app.name', 'Laravel') }}
25                 </a>
26                 <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="{{ __('Toggle navigation') }}">
27                     <span class="navbar-toggler-icon"></span>
28                 </button>
29
30                 <div class="collapse navbar-collapse" id="navbarSupportedContent">
31                     <!-- Left side of navbar -->
32                     <ul class="navbar-nav me-auto">
33
34                     </ul>
35
36                     <!-- Right side of navbar -->
37                     <ul class="navbar-nav ms-auto">
38                         <!-- Authentication links -->
39                         @guest
40                             @if (Route::has('login'))
41                                 <li class="nav-item">
42                                     <a class="nav-link" href="{{ route('login') }}">{{ __('Login') }}</a>
43                                 </li>
44                             @endif
45
46                             @if (Route::has('register'))
47                                 <li class="nav-item">
48                                     <a class="nav-link" href="{{ route('register') }}">{{ __('Register') }}</a>
49                                 </li>
50                             @endif
51                         @else
52                             <li class="nav-item dropdown">
53                                 <a id="navbarDropdown" class="nav-link dropdown-toggle" href="#" role="button" data-bs-toggle="dropdown" aria-haspopup="true" aria-expanded="false" v-pre>
54                                     {{ Auth::user()->name }}
55                                 </a>
56
57                                 <div class="dropdown-menu dropdown-menu-end" aria-labelledby="navbarDropdown">
58                                     <a class="dropdown-item" href="{{ route('logout') }}">
59                                         onclick="event.preventDefault();
60                                             document.getElementById('logout-form').submit();"
61                                     </a>
62                                     <a href="#">
63                                         {{ __('Logout') }}
64                                     </a>
65
66                                     <form id="logout-form" action="{{ route('logout') }}" method="POST" class="d-none">
67                                         @csrf
68                                         @form
69                                     </form>
70                                 </div>
71                             </li>
72                         @endguest
73                     </ul>
74                 </div>
75             </div>
76         </nav>
77
78         <main class="py-4">
79             @yield('content')
80         </main>
81     </div>
82 </body>
83 </html>

```

4. Edit resources/views/welcome.blade.php, kemudian replace seluruh kodenya dengan kode berikut

```

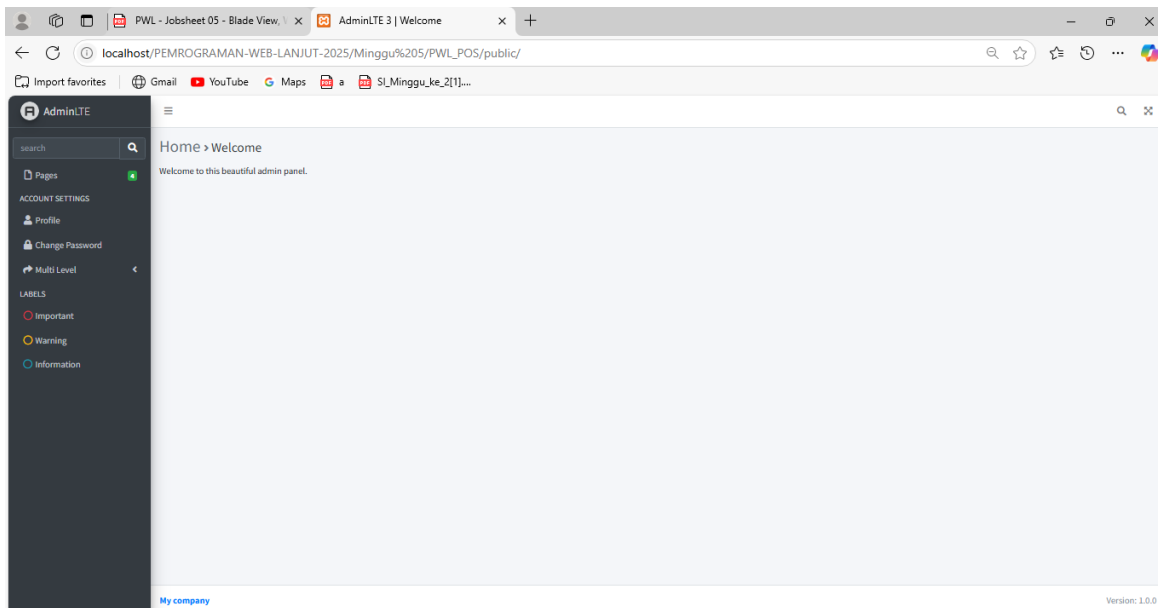
app.blade.php M X
Minggu 5 > PWL_POS > resources > views > layouts > app.blade.php > ...
1  @extends('adminlte::page')
2
3  {{-- Extend and customize the browser title --}}
4
5  @section('title')
6      {{ config('adminlte.title') }}
7      @hasSection('subtitle') | @yield('subtitle') @endif
8  @stop
9
10 {{-- Extend and customize the page content header --}}
11 @section('content_header')
12     @hasSection('content_header_title')
13         <h1 class="text-muted">
14             @yield('content_header_title')
15
16             @hasSection('content_header_subtitle')
17                 <small class="text-dark">
18                     <i class="fas fa-xs fa-angle-right text-muted"></i>
19                     @yield('content_header_subtitle')
20                 </small>
21             @endif
22         </h1>
23     @endif
24 @stop
25
26 {{-- Rename section content to content_body --}}
27
28 @section('content')
29     @yield('content_body')
30 @stop
31
32 {{-- Create a common footer --}}
33
34 @section('footer')
35     <div class="float-right">
36         Version: {{ config('app.version', '1.0.0') }}
37     </div>
38
39     <strong>
40         <a href="{{ config('app.company_url', '#') }}">
41             {{ config('app.company_name', 'My company') }}
42         </a>
43     </strong>
44 @stop

```

Untuk menggunakan blade template ini cukup dengan extend AdminLTE layout dengan cara `@extends('adminlte::page')`. Template yields di beberapa bagian terklasifikasi dalam 2 yield:

- main: Biasa digunakan untuk extending the layout.
- misc: untuk kasus yang tidak biasa, atau hanya situasi tertentu. Dokumentasi lebih detail terdapat di link berikut: <https://github.com/jeroennoten/Laravel-AdminLTE/wiki/Usage>

5. Kembali ke browser, menuju ke halaman awal.



Praktikum 2 – Integrasi dengan DataTables

1. Install Laravel DataTables

```
PS D:\laragon\www\PEMROGRAMAN-WEB-LANJUT-2025\Minggu 5\PWL_POS> composer require laravel/ui --dev
laravel/ui is currently present in the require key and you ran the command with the --dev flag, which will
move it to the require-dev key.
Do you want to move this requirement? [no]? no
Do you want to re-run the command without --dev? [yes]? yes
./composer.json has been updated
Running composer update laravel/ui
Loading composer repositories with package information
Updating dependencies
Nothing to modify in lock file
Writing lock file
Installing dependencies from lock file (including require-dev)
Nothing to install, update or remove
Generating optimized autoload files
> illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi

 INFO  Discovering packages.

jeroennoten/laravel-adminlte ..... DONE
laravel/sail ..... DONE
laravel/sanctum ..... DONE
laravel/tinker ..... DONE
laravel/ui ..... DONE
nesbot/carbon ..... DONE
nunomaduro/collision ..... DONE
nunomaduro/termwind ..... DONE
spatie/laravel-ignition ..... DONE

82 packages you are using are looking for funding.
Use the 'composer fund' command to find out more!
> @php artisan vendor:publish --tag=laravel-assets --ansi --force

 INFO  No publishable resources for tag [laravel-assets].

PS D:\laragon\www\PEMROGRAMAN-WEB-LANJUT-2025\Minggu 5\PWL_POS> composer require yajra/laravel-datatables:*10.0
The "10.0" constraint for "yajra/laravel-datatables" appears too strict and will likely not match what you want. See https://getcomposer.org/constraints
./composer.json has been updated
Running composer update yajra/laravel-datatables
Loading composer repositories with package information
Updating dependencies
Lock file operations: 7 installs, 0 updates, 0 removals
- Locking league/fractal (0.20.2)
- Locking yajra/laravel-datatables (v10.0.0)
- Locking yajra/laravel-datatables-buttons (v10.0.0)
- Locking yajra/laravel-datatables-editor (v1.25.4)
- Locking yajra/laravel-datatables-fractal (v10.0.0)
- Locking yajra/laravel-datatables-html (v10.12.0)
- Locking yajra/laravel-datatables-oracle (v10.11.4)
```

2. Pastikan nodejs sudah terinstall, dengan perintah npm -v.

```
PS D:\laragon\www\PEMROGRAMAN-WEB-LANJUT-2025\Minggu 5\PWL_POS> npm -v
10.9.2
```

3. Install Laravel DataTables Vite dan sass

```
PS D:\laragon\www\PEMROGRAMAN-WEB-LANJUT-2025\Minggu 5\PWL_POS> npm i laravel-datatables-vite --save-dev

added 9 packages, and audited 63 packages in 22s

17 packages are looking for funding
  run `npm fund` for details

2 moderate severity vulnerabilities

To address all issues (including breaking changes), run:
  npm audit fix --force

PS D:\laragon\www\PEMROGRAMAN-WEB-LANJUT-2025\Minggu 5\PWL_POS> npm install -D sass

up to date, audited 63 packages in 4s

17 packages are looking for funding
  run `npm fund` for details

2 moderate severity vulnerabilities

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.
```

4. Edit file resources/js/app.js

```
JS app.js M X app.scss M
Minggu 5 > PWL_POS > resources > js > JS app.js
1   import './bootstrap';
2   import './sass/app.scss';
3   import 'laravel-datatables-vite';
4   |
```

5. Buatlah file resources/sass/app.scss

```
// Fonts
@import url('https://fonts.bunny.net/css?family=Nunito');

// Bootstrap
@import 'bootstrap/scss/bootstrap';

// DataTables
@import 'bootstrap-icons/font/bootstrap-icons.css';
@import 'datatables.net-b5/css/dataTables.bootstrap5.min.css';
@import 'datatables.net-buttons-b5/css/buttons.bootstrap5.min.css';
@import 'datatables.net-select-b5/css/select.bootstrap5.min.css';
```

6. Jalankan dengan npm run dev

```
PS D:\laragon\www\PEMROGRAMAN-WEB-LANJUT-2025\Minggu 5\PWL_POS> npm run dev

> dev
> vite

Re-optimizing dependencies because lockfile has changed
Port 5173 is in use, trying another one...

VITE v5.4.14 ready in 1400 ms

→ Local:   http://localhost:5174/
→ Network: use --host to expose
→ press h + enter to show help

LARAVEL v10.48.28 plugin v1.2.0

→ APP URL: http://localhost
```


7. Selanjutnya kita akan buat datatables untuk kategori

```
PS D:\laragon\www\PEMROGRAMAN-WEB-LANJUT-2025\Minggu 5\PWL_POS> php artisan datatables:make Kategori
INFO DataTable [D:\laragon\www\PEMROGRAMAN-WEB-LANJUT-2025\Minggu 5\PWL_POS\app\DataTables\KategoriDataTable.php] created successfully.
```

8. Kita edit KategoriDataTable untuk mengatur kolom apa saja yang ingin ditampilkan
Sesuaikan dengan kodeprogram berikut

```
Minggu 5 > PWL_POS > app > DataTables > KategoriDataTable.php > ...
1  <?php
2
3  namespace App\DataTables;
4
5  use App\Models\KategoriModel;
6  use Illuminate\Database\Eloquent\Builder as QueryBuilder;
7  use Yajra\DataTables\EloquentDataTable;
8  use Yajra\DataTables\Html\Builder as HtmlBuilder;
9  use Yajra\DataTables\Html\Button;
10 use Yajra\DataTables\Html\Column;
11 use Yajra\DataTables\Html\Editor\Editor;
12 use Yajra\DataTables\Html\Editor\Fields;
13 use Yajra\DataTables\Services\DataTable;
14
15 class KategoriDataTable extends DataTable
16 {
17     /**
18      * Build the DataTable class.
19      *
20      * @param QueryBuilder $query Results from query() method.
21      */
22     public function dataTable(QueryBuilder $query): EloquentDataTable
23     {
24         return (new EloquentDataTable($query))
25             ->addColumn('action', 'kategori.action')
26             ->setRowId('id');
27     }
28
29     /**
30      * Get the query source of dataTable.
31      */
32     public function query(KategoriModel $model): QueryBuilder
33     {
34         return $model->newQuery();
35     }
36
37     /**
38      * Optional method if you want to use the html builder.
39      */
40     public function html(): HtmlBuilder
41     {
42         return $this->builder()
43             ->setTableId('kategori-table')
```

9. Ubah kategori model, sesuaikan seperti berikut

```
D:\laragon\www\PEMROGRAMAN-WEB-LANJUT-2025\Minggu 5 * Contains emphasized items
namespace App\Models;

use Illuminate\Database\Eloquent\Model;
use Illuminate\Database\Eloquent\Relations\HasMany;

class KategoriModel extends Model
{
    protected $table = 'm_kategori';
    protected $primaryKey = 'kategori_id';

    protected $fillable = ['kategori_kode', 'kategori_nama'];

    public function barang(): HasMany
    {
        return $this->hasMany(BarangModel::class, 'barang_id', 'barang_id');
    }
}
```

10. Ubah Kategori Controller sesuai dengan skrip berikut:

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use App\DataTables\KategoriDataTable;

class KategoriController extends Controller
{
    public function index(KategoriDataTable $dataTable)
    {
        return $dataTable->render('kategori.index');
    }
}
```

11. Buat folder kategori di dalam resources/view, kemudian buat view blade index untuk kategori resources/views/kategori/index.blade.php

```
@extends('layouts.app')

{{-- Customize layout sections --}}
@section('subtitle', 'Kategori')
@section('content_header_title', 'Home')
@section('content_header_subtitle', 'Kategori')

@section('content')
    <div class="container">
        <div class="card">
            <div class="card-header">Manage Kategori</div>
            <div class="card-body">
                {!! $dataTable->table() !!}
            </div>
        </div>
    </div>
@endsection

@push('scripts')
    {!! $dataTable->scripts() !!}
@endpush
```

12. Pastikan route untuk kategori sudah tersedia

```
Route::get('/kategori', [KategoriController::class, 'index']);
```

13. Sesuaikan app layout seperti kode berikut

```

Minggu 5 > PWL_POS > resources > views > layouts > app.blade.php > ...
1  @extends('adminlte::page')
2  {{-- Extend and customize the browser title --}}
3  @section('title')
4      {{ config('adminlte.title') }}
5      @hasSection('subtitle') | @yield('subtitle') @endif
6  @stop
7  @vite('resources/js/app.js')
8  {{-- Extend and customize the page content header --}}
9  @section('content_header')
10     @hasSection('content_header_title')
11     < h1 class="text-muted">
12         @yield('content_header_title')
13
14         @hasSection('content_header_subtitle')
15
16         <small class="text-dark">
17             <i class="fas fa-xs fa-angle-right text-muted"></i>
18             @yield('content_header_subtitle')
19         </small>
20     @endif
21 </h1>
22 @endif
23 @stop
24
25 {{-- Rename section content to content_body --}}
26
27 @section('content')
28     @yield('content_body')
29 @stop
30
31
32 {{-- Create a common footer --}}
33
34 @section('footer')
35     <div class="float-right">
36         Version: {{ config('app.version', '1.0.0') }}
37     </div>
38
39     <strong>
40         <a href="{{ config('app.company_url', '#') }}">
41             {{ config('app.company_name', 'My company') }}

```

14. Menset ViteJs / script type defaults

```
Minggu 5 > PWL_POS > app > Providers > AppServiceProvider.php > ...
1  <?php
2
3  namespace App\Providers;
4
5  use Illuminate\Support\ServiceProvider;
6  use Yajra\DataTables\Html\Builder;
7
8  class AppServiceProvider extends ServiceProvider
9  {
10     /**
11      * Register any application services.
12      */
13     public function register(): void
14     {
15         //
16     }
17
18     /**
19      * Bootstrap any application services.
20      */
21     public function boot(): void
22     {
23         //
24     }
25 }
26
```

15. Isikan beberapa data ke table kategori

```

✓ 2 rows inserted.
Inserted row id: 8 (Query took 0.0228 seconds.)

INSERT INTO m_kategori (kategori_kode, kategori_nama, created_at, updated_at) VALUES ('CML',
'Cemilan', '2024-03-09 10:30:00', NULL), ('MNR', 'Minuman Ringan', '2024-03-09 13:01:39', NULL);
[ Edit inline ][ Edit ][ Create PHP code ]

```

16. Datatables sudah dapat di load di /kategori

The screenshot shows the AdminLTE dashboard with a sidebar on the left and a main content area. The main content area displays a table titled 'Manage Kategori' with the following data:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At
1	SKC	Skincare		
9	SK	Skincare	2025-03-14T04:36:27.000000Z	2025-03-14T04:36:27.000000Z
2	PKN	Pakaian		
8	MNR	Minuman Ringan	2024-03-09T13:01:39.000000Z	
5	FNB	Food and Beverage		
7	CML	Cemilan	2024-03-09T10:30:00.000000Z	
3	ATK	Alat Tulis Kantor		
4	AOR	Alat Olahraga		

The table is part of a 'Manage Kategori' interface with a search bar and pagination controls at the bottom showing 'Showing 1 to 8 of 8 entries'.

Praktikum 3 – Membuat form kemudian menyimpan data dalam database

1. Menyesuaikan routing, tambahkan dua routing berikut

```
// Jobsheet 5 Praktikum 3 - Membuat form kemudian menyimpan data dalam database
Route::get('/kategori/create', [KategoriController::class, 'create']);
Route::get('/kategori', [KategoriController::class, 'store']);
```

2. Tambahkan dua function berikut dalam KategoriController

```
Minggu 5 > PWL_POS > app > Http > Controllers > KategoriController.php > KategoriController > store

1  <?php
2
3  namespace App\Http\Controllers;
4  use App\Models\KategoriModel;
5  use Illuminate\Http\Request;
6  use App\DataTables\KategoriDataTable;
7
8  class KategoriController extends Controller
9  {
10     public function index(KategoriDataTable $dataTable)
11     {
12         return $dataTable->render('kategori.index');
13     }
14
15     public function create()
16     {
17         return view('kategori.create');
18     }
19
20     public function store(Request $request)
21     {
22         KategoriModel::create([
23             'kategori_kode' => $request->kodeKategori,
24             'kategori_nama' => $request->namaKategori,
25         ]);
26         return redirect('/kategori');
27     }
28 }
29
```

3. Dalam folder views/kategori, buatlah file dengan nama create.blade.php

```
Minggu 5 > PWL_POS > resources > views > kategori > create.blade.php > ...

1  @extends('layouts.app')
2
3  {{-- Customize layout sections --}}
4
5  @section('subtitle', 'Kategori')
6
7  @section('content_header_title', 'Kategori')
8  @section('content_header_subtitle', 'Create')
9
10  {{-- Content body: main page content --}}
11
12  @section('content')
13      <div class="container">
14          <div class="card card-primary">
15              <div class="card-header">
16                  <h3 class="card-title">Buat kategori baru</h3>
17              </div>
18              <form method="post" action=".." />
19                  <div class="card-body">
20                      <div class="form-group">
21                          <label for="kodeKategori">Kode Kategori</label>
22                          <input type="text" class="form-control" id="kodeKategori" name="kodeKategori" placeholder="Masukkan Kode Kategori">
23                      </div>
24                      <div class="form-group">
25                          <label for="namaKategori">Nama Kategori</label>
26                          <input type="text" class="form-control" id="namaKategori" name="namaKategori" placeholder="Masukkan Nama Kategori">
27                      </div>
28                  </div>
29                  <div class="card-footer">
30                      <button type="submit" class="btn btn-primary">Submit</button>
31                  </div>
32              </form>
33          </div>
34      </div>
35  @endsection
```

4. Kita lakukan pengecualian proteksi CsrfToken. Karena kita belum melakukan autentikasi . Kita edit dalam file berikut:

```

Minggu 5 > PWL_POS > app > Http > Middleware > VerifyCsrfToken.php > VerifyCsrfToken > $except
1  <?php
2
3  namespace App\Http\Middleware;
4
5  use Illuminate\Foundation\Http\Middleware\VerifyCsrfToken as Middleware;
6
7  class VerifyCsrfToken extends Middleware
8  {
9
10     /**
11      * The URIs that should be excluded from CSRF verification.
12      *
13      * @var array<int, string>
14      */
15     protected $except = [
16         '/kategori'
17     ];
18 }

```

5. Akses kategori/create

localhost/PEMROGRAMAN-WEB-LANJUT-2025/Minggu%205/PWL_POS/public/kategori/create

AdminLTE

Kategori > Create

Buat kategori baru

Kode Kategori

Masukkan Kode Kategori

Nama Kategori

Masukkan Nama Kategori

Submit

6. Halaman kategori

AdminLTE

Home > Kategori

Manage Kategori

10 entries per page

Search:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At
1	SKC	Skincare		
9	SK	Skincare	2025-03-14T04:36:27.000000Z	2025-03-14T04:36:27.000000Z
2	PKN	Pakaian		
8	MNR	Minuman Ringan	2024-03-09T13:01:39.000000Z	
5	FNB	Food and Beverage		
7	CML	Cemilan	2024-03-09T10:30:00.000000Z	
3	ATK	Alat Tulis Kantor		
4	AOR	Alat Olahraga		

Showing 1 to 8 of 8 entries

Tugas

1. Tambahkan button Add di halam manage kategori, yang mengarah ke create kategori baru

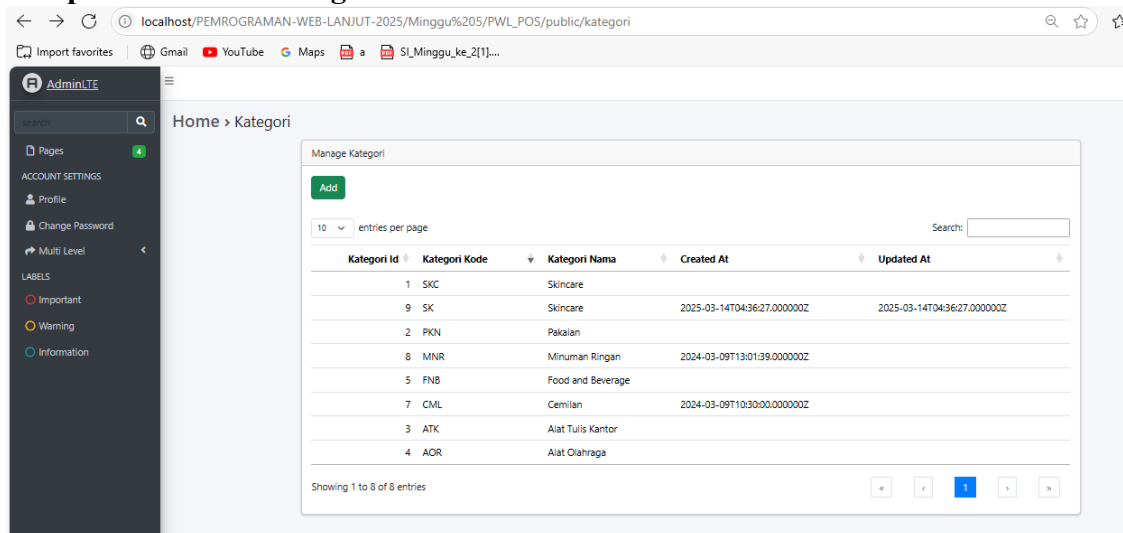
Kode yang ditambahkan untuk button add pada index.blade.php

```

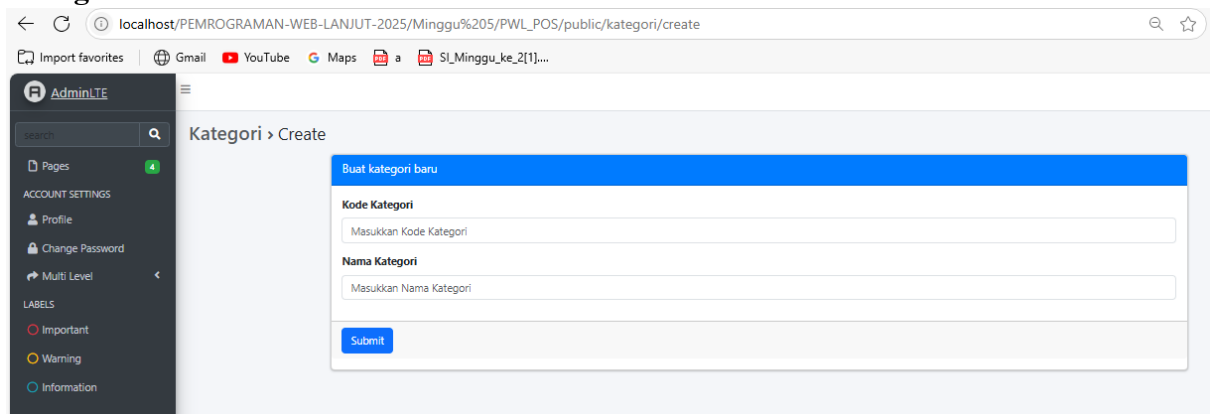
Minggu 5 > PWL_POS > resources > views > kategori > index.blade.php > div.container > div.card > div.card-body > a.btn.btn-success
1  @extends('layouts.app')
2
3  {{-- Customize layout sections --}}
4  @section('subtitle', 'Kategori')
5  @section('content_header_title', 'Home')
6  @section('content_header_subtitle', 'Kategori')
7
8  @section('content')
9      <div class="container">
10         <div class="card">
11             <div class="card-header">Manage Kategori</div>
12             <div class="card-body">
13                 <a href="{{ url('/kategori/create') }}" class="btn btn-success">Add</a>|
14                 <br><br>
15                 {!! $dataTable->table() !!}
16             </div>
17         </div>
18     </div>
19 @endsection
20
21 @push('scripts')
22     {!! $dataTable->scripts() !!}
23 @endpush

```

Tampilan halaman kategori setelah ditambahkan button Add



Tampilan setelah button add diklik yang mengarah pada halaman /kategori/create



2. Tambahkan menu untuk halaman manage kategori, di daftar menu navbar
Kode yang ditambahkan pada config adminlite.php

```

    'text' => 'Manage Kategori',
    'url' => 'kategori',
    'icon' => 'fas fa-list',
    'topnav' => true, // menu ini muncul di navbar
  ],

```

```

    'text' => 'Manager Kategori',
    'url' => 'kategori',
    'icon' => 'fas fa-list', // menu akan muncul di side bar items
  ],

```

Tampilan navbar yang telah diperbarui

Home > Kategori

Manage Kategori

[Add](#)

10 entries per page

Search:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At
1	SKC	Skincare		
9	SK	Skincare	2025-03-14T04:36:27.000000Z	2025-03-14T04:36:27.000000Z
2	PKN	Pakaian		
8	MNR	Minuman Ringan	2024-03-09T13:01:39.000000Z	
5	FNB	Food and Beverage		
7	CML	Cemilan	2024-03-09T10:30:00.000000Z	
3	ATK	Alat Tulis Kantor		
4	AOR	Alat Olahraga		

Showing 1 to 8 of 8 entries

3. Tambahkan action edit di datatables dan buat halaman edit serta controllernya

Kode yang ditambahkan untuk action edit

```

// Tugas 3
Route::get('/kategori/edit/{id}', [KategoriController::class, 'edit'])->name('kategori.edit');
Route::put('/kategori/{id}', [KategoriController::class, 'update'])->name('kategori.update');

```



```

Minggu 5 > PWL_POS > resources > views > kategori > edit.blade.php > ...
1  @extends('layouts.app')
2
3  @section('content')
4      <div class="container-fluid">
5          <div class="row">
6              <div class="col-md-12">
7                  <div class="card card-primary">
8                      <div class="card-header">
9                          <h3 class="card-title">Edit kategori</h3>
10                     </div>
11                     <form action="{{ route('kategori.update', $kategori->kategori_id) }}" method="POST">
12                         @csrf
13                         @method('PUT')
14                         <div class="card-body">
15                             <div class="form-group">
16                                 <label for="kodeKategori">Kode Kategori</label>
17                                 <input type="text" class="form-control" name="kodeKategori" id="kodeKategori"
18                                     value="{{ $kategori->kategori_kode }}">
19                             </div>
20                             <div class="form-group">
21                                 <label for="namaKategori">Nama Kategori</label>
22                                 <input type="text" class="form-control" name="namaKategori" id="namaKategori"
23                                     value="{{ $kategori->kategori_nama }}">
24                             </div>
25                         </div>
26                         <div class="card-footer">
27                             <button type="submit" class="btn btn-primary">Simpan</button>
28                         </div>
29                     </form>
30                 </div>
31             </div>
32         </div>
33     </div>
34 @endsection

```

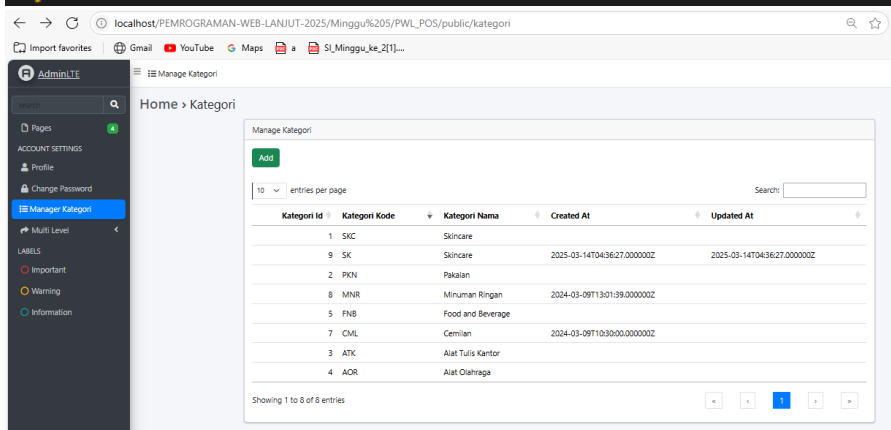
```

public function edit($id)
{
    $data = KategoriModel::find($id);
    return view('kategori.edit', ['kategori' => $data]);
}

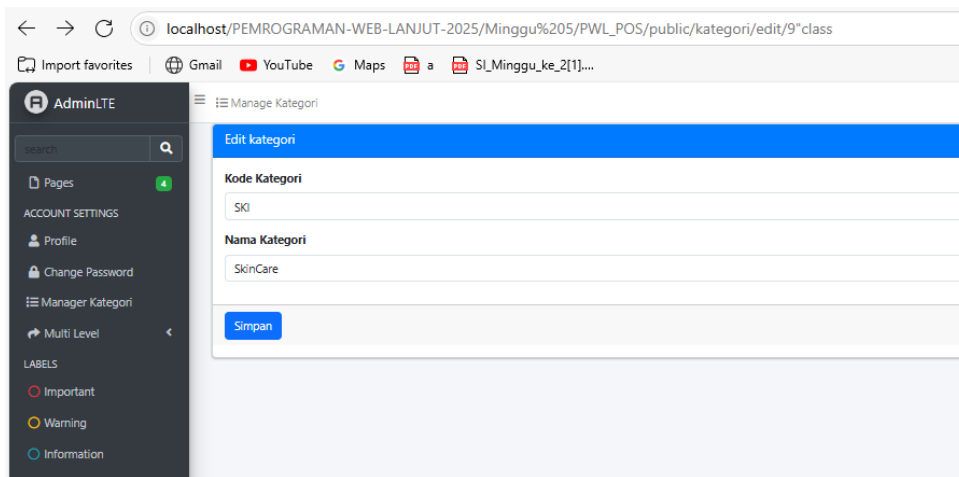
public function update(Request $request, $id)
{
    KategoriModel::where('kategori_id', $id)->update([
        'kategori_kode' => $request->kodeKategori,
        'kategori_nama' => $request->namaKategori,
    ]);

    return redirect()->route('kategori.index')->with('success', 'Kategori berhasil diperbarui');
}

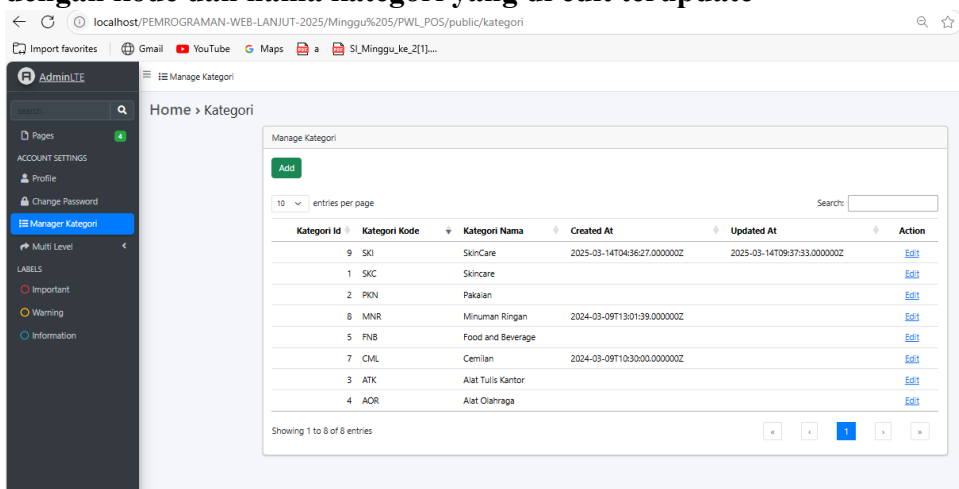
```



Tampilan setelah klik edit maka menuju ke page kategori/edit/id



Setelah merubah kode dan nama kategori tersimpan dan Kembali page kategori dengan kode dan nama kategori yang di edit terupdate



4. Tambahkan action delete di datatables serta controllernya

Kode yang ditambahkan untuk action delete

```
// Tugas 4
Route::get('/kategori/delete/{id}', [KategoriController::class, 'delete'])->name('kategori.delete');

public function dataTable(QueryBuilder $query): EloquentDataTable
{
    return (new EloquentDataTable($query))
        ->addColumn('action', function ($id) {
            $edit = route('kategori.edit', $id);
            $delete = route('kategori.delete', $id);

            return '<div style="display: flex; gap: 5px;">
                <a href="' . $edit . '" class="btn btn-warning btn-sm">Edit</a>
                <a href="' . $delete . '" class="btn btn-danger btn-sm btn-delete">Delete</a>
            </div>';
        })
        ->setRowId('id');
}
```

```
public function delete($id)
{
    KategoriModel::where('kategori_id', $id)->delete();
    return redirect('/kategori');
}
```

Tampilan tabel sebelum menghapus Kategori Kode “SKI”

Manage Kategori

Add

10 entries per page

Search:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At	Action
19	SKI	SkinCare	2025-03-14T10:31:46.000000Z	2025-03-14T10:31:46.000000Z	<div>EditDelete</div>
1	SKC	Skincare			<div>EditDelete</div>
2	PKN	Pakaian			<div>EditDelete</div>
8	MNR	Minuman Ringan	2024-03-09T13:01:39.000000Z		<div>EditDelete</div>
5	FNB	Food and Beverage			<div>EditDelete</div>
7	CML	Cemilan	2024-03-09T10:30:00.000000Z		<div>EditDelete</div>
3	ATK	Alat Tulis Kantor			<div>EditDelete</div>
4	AOR	Alat Olahraga			<div>EditDelete</div>

Showing 1 to 8 of 8 entries

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Tampilan tabel setelah menghapus Kategori Kode “SKI”

Manage Kategori

Add

10 entries per page

Search:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At	Action
1	SKC	Skincare			<div>EditDelete</div>
2	PKN	Pakaian			<div>EditDelete</div>
8	MNR	Minuman Ringan	2024-03-09T13:01:39.000000Z		<div>EditDelete</div>
5	FNB	Food and Beverage			<div>EditDelete</div>
7	CML	Cemilan	2024-03-09T10:30:00.000000Z		<div>EditDelete</div>
3	ATK	Alat Tulis Kantor			<div>EditDelete</div>
4	AOR	Alat Olahraga			<div>EditDelete</div>

Showing 1 to 7 of 7 entries

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