

LAPORAN PRAKTIKUM JOBSHEET 5

**MATA KULIAH PEMROGRAMAN WEB LANJUT
BLADE VIEW, WEB TEMPLATING (Admin LTE), DATABASE**

Dosen Pengampu : Dimas Wahyu Wibowo, S.T., M.T.



Di Susun Oleh :

Louise Nazarossa (2341760117)

SIB-2A/18

PROGRAM STUDI D4 SISTEM INFORMASI BISNIS

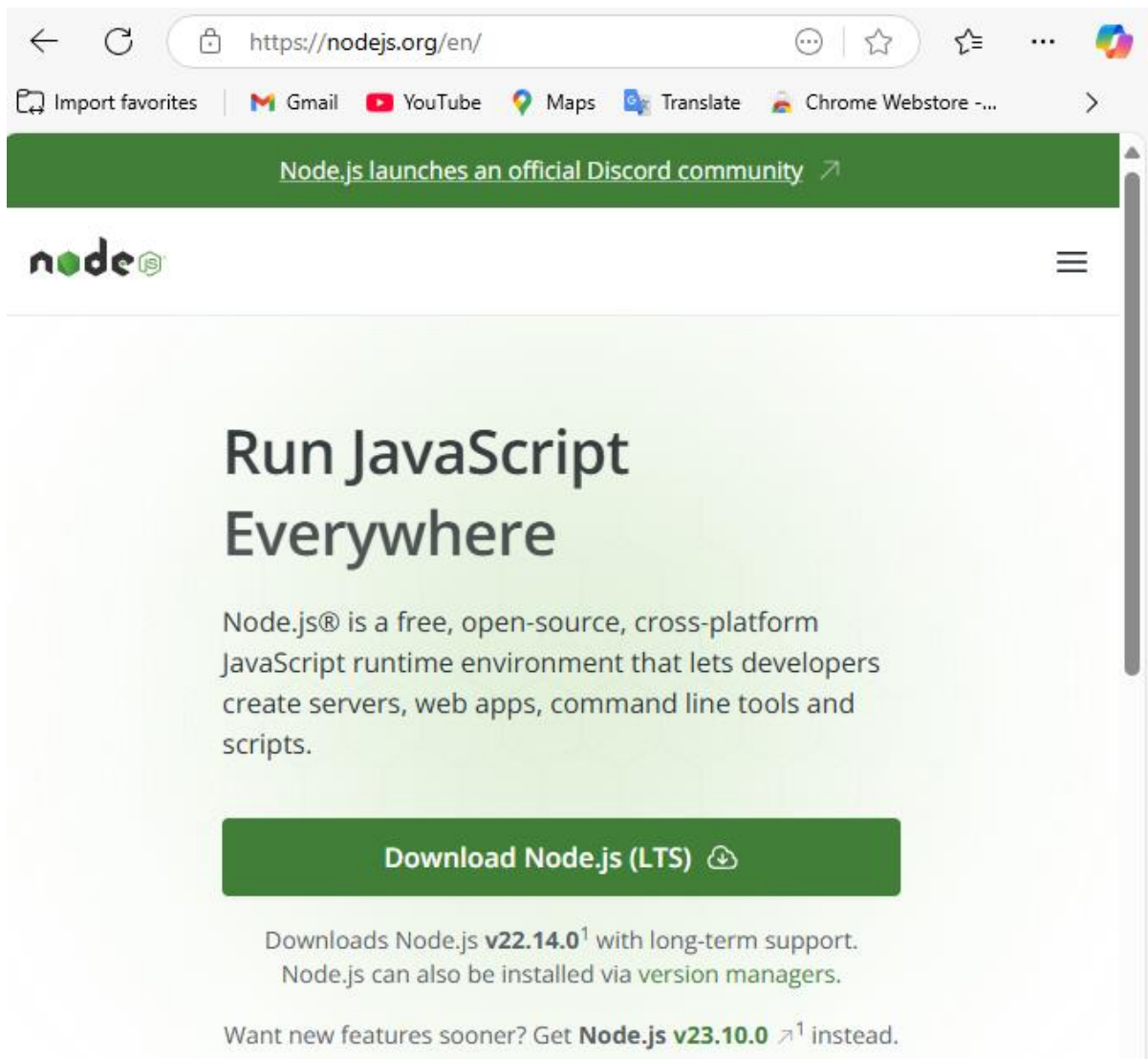
JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

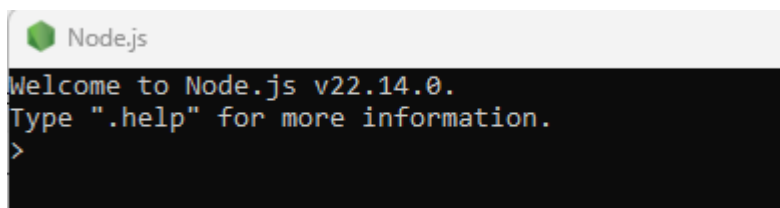
2024

Instalasi Node.js

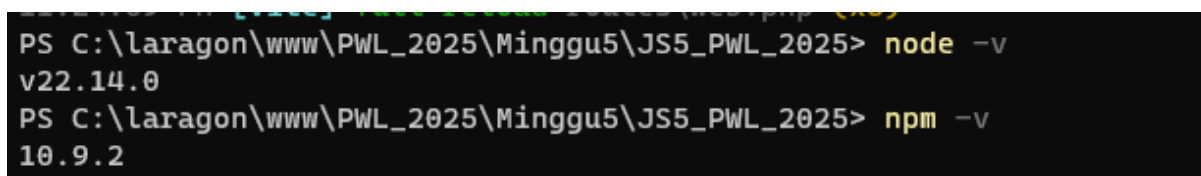
Mendownload node.js dan lakukan instalasi



Berikut adalah tampilan node.js yang berhasil diinstall



Jalankan kode berikut untuk mengecek apakah instalasi node.js dan NPM berjalan lancar



Praktikum1 : Integrasi Laravel dengan AdminLte3

- a) Dalam root folder project lakukan command berikut, untuk mendefinisikan requirement project.

```
PS C:\laragon\www\PWL_2025\Minggu5\JS5_PWL_2025> composer require jeroennoten/laravel-adminlte
./composer.json has been updated
Running composer update jeroennoten/laravel-adminlte
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.

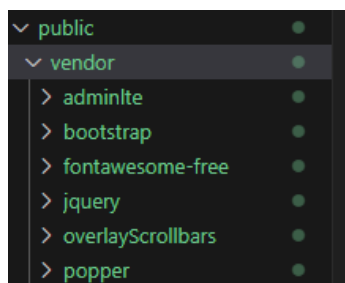
jeroennoten/laravel-adminlte ..... DONE
laravel/sail ..... DONE
laravel/sanctum ..... DONE
laravel/tinker ..... DONE
nesbot/carbon ..... DONE
nunomaduro/collision ..... DONE
nunomaduro/termwind ..... DONE
spatie/laravel-ignition ..... DONE
```

- b) Melakukan instalasi requirement project di atas dengan command berikut

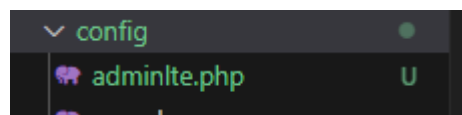
```
PS C:\laragon\www\PWL_2025\Minggu5\JS5_PWL_2025> php artisan adminlte:install
AdminLTE assets files published successfully
Configuration file published successfully
Translation files published successfully
The installation is complete.
```

Perintah di atas akan meng-install:

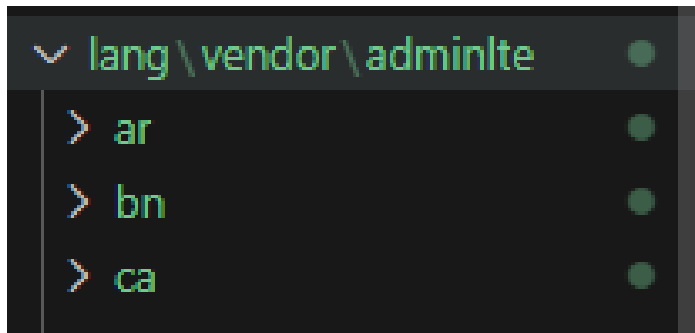
- AdminLTE distribution files dan dependensinya (Bootstrap, jQuery, etc.) dalam folder public/vendor .



- Konfigurasi package di file config/adminlte.php



- Paket translasi di folder lang/vendor/adminlte/



- Dalam composer.json akan otomatis ditambahkan require untuk laravel-adminlte

```
{
  "name": "laravel/laravel",
  "type": "project",
  "description": "The skeleton application for the Laravel framework.",
  "keywords": ["laravel", "framework"],
  "license": "MIT",
  "require": {
    "php": "^8.1",
    "guzzlehttp/guzzle": "^7.2",
    "jeroennoten/laravel-adminlte": "^3.15",
    "laravel/framework": "^10.10",
    "laravel/sanctum": "^3.3",
    "laravel/tinker": "^2.8"
  },
  "require-dev": {
    "fakerphp/faker": "^1.9.1",
    "laravel/pint": "^1.0",
    "laravel/sail": "^1.18",
    "mockery/mockery": "^1.4.4",
    "nunomaduro/collision": "^7.0",
    "phpunit/phpunit": "^10.1",
    "spatie/laravel-ignition": "^2.0"
  },
  "autoload": {
    "psr-4": {
      "App\\": "app/",
      "Database\\Factories\\": "database/factories/",
      "Database\\Seeders\\": "database/seeders/"
    }
  },
  "autoload-dev": {
    "psr-4": {
      "Tests\\": "tests/"
    }
  },
  "scripts": {
    "post-autoload-dump": [
      "php artisan clear-compiled",
      "php artisan optimize"
    ],
    "post-update-cmd": [
      "php artisan clear-compiled",
      "php artisan optimize"
    ],
    "post-root-package-install": [
      "@php -r \"file_exists('.env') || copy('.env.example', '.env');\""
    ],
    "post-create-project-cmd": [
      "php artisan key:generate"
    ]
  },
  "extra": {
    "laravel": {
      "dont-discover": []
    }
  },
  "config": {
    "optimize-autoloader": true,
    "preferred-install": "dist",
    "sort-packages": true,
    "allow-plugins": {
      "pestphp/pest-plugin": true
    }
  },
  "minimum-stability": "stable",
  "prefer-stable": true
}
```

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

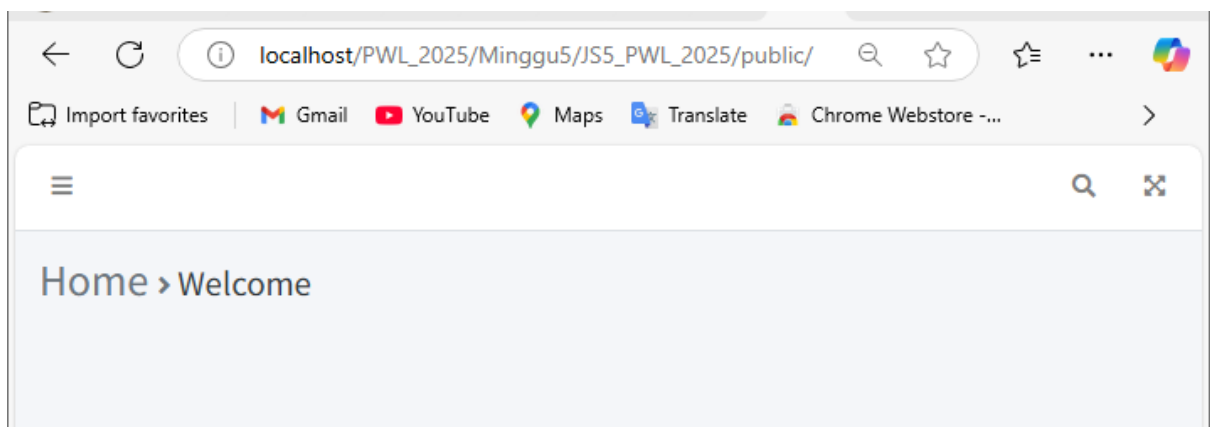
```
Welcome {} composer.json M app.blade.php U X
resources > views > layout > app.blade.php > h1.text-muted
1 @extends('adminlte::page')
2
3 {{-- Extend and customize the browser title --}}
4
5 @section('title')
6     {{ config('adminlte.title') }}
7     @hasSection('subtitle') | @yield('subtitle') @endif
8 @stop
9
10 {{-- Extend and customize the page content header --}}
11
12 @section('content_header')
13     @hasSection('content_header_title')
14         <h1 class="text-muted">
15             @yield('content_header_title')
16         </h1>
17     @hasSection('content_header_subtitle')
18         <small class="text-dark">
19             <i class="fas fa-xs fa-angle-right text-muted"></i>
20             @yield('content_header_subtitle')
21         </small>
22     @endif
23 </h1>
24 @endif
25 @stop
26
27 {{-- Rename section content to content_body --}}
28
29 @section('content')
30     @yield('content_body')
31 @stop
32
33 {{-- Create a common footer --}}
34
```

```
Welcome {} composer.json M app.blade.php U X
resources > views > layout > app.blade.php > h1.text-muted
34
35 @section('footer')
36     <div class="float-right">
37         Version: {{ config('app.version', '1.0.0') }}
38     </div>
39
40     <strong>
41         <a href="{{ config('app.company_url', '#') }}">
42             {{ config('app.company_name', 'My company') }}
43         </a>
44     </strong>
45 @stop
46
47 {{-- Add common Javascript/Jquery code --}}
48
49 @push('js')
50 <script>
51
52     $(document).ready(function() {
53         // Add your common script logic here...
54     });
55 </script>
56 @endpush
57
58
59 {{-- Add common CSS customizations --}}
60
61 @push('css')
62 <style type="text/css">
63
64     {{-- You can add AdminLTE customizations here --}}
65     /*
66     .card-header {
67         border-bottom: none;
68     }
69     .card-title {
70         font-weight: 600;
71     }
72     */
73 </style>
74 @endpush
```

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

```
resources > views > welcome.blade.php > script
1  @extends('layouts.app')
2
3  {{-- Customize layout sections --}}
4
5  @section('subtitle', 'Welcome')
6  @section('content_header_title', 'Home')
7  @section('content_header_subtitle', 'Welcome')
8
9  {{-- Content body: main page content --}}
10
11 @section('contents_body')
12 |   <p>Welcome to this beautiful admin panel.</p>
13 @stop
14
15 {{-- Push extra CSS --}}
16
17 @push('css')
18 |   {{-- Add here extra stylesheets --}}
19 |   {{-- <link rel="stylesheet" href="css/admin_custom.css"> --}}
20 @endpush
21
22 {{-- Push extra scripts --}}
23
24 @push('js')
25 |   <script> console.log("Hi, I'm using the Laravel-AdminLTE package
26 @endpush
```

- e) Kembali ke browser, menuju halaman awal



Menampilkan halaman home secara default yang menggunakan blade dan template admin yang berbasis bootstrap menggunakan adminLTE.

Praktikum2 : Integrasi dengan data tables

a) Install Laravel DataTables

```
PS C:\laragon\www\PWL_2025\Minggu5\JS5_PWL_2025> composer require laravel/ui --dev
./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
Generating optimized autoload files

PS C:\laragon\www\PWL_2025\Minggu5\JS5_PWL_2025> 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 (v10.0.9)
  - 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)
Writing lock file
Installing dependencies from lock file (including require-dev)
```

b) Memastikan node.js sudah terinstall, dengan menjalankan perintah nmp -v

```
PS C:\laragon\www\PWL_2025\Minggu5\JS5_PWL_2025> npm -v
10.9.2
```

c) Install Laravel DataTables Vite dan sass

```
PS C:\laragon\www\PWL_2025\Minggu5\JS5_PWL_2025> npm i laravel-datatable s-vite --save-dev

added 47 packages, and audited 48 packages in 1m

13 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.
npm notice
npm notice New major version of npm available! 10.9.2 -> 11.2.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v11.2.0
npm notice To update run: npm install -g npm@11.2.0
npm notice
```

```

PS C:\laragon\www\PWL_2025\Minggu5\JS5_PWL_2025> npm install -D sass

added 15 packages, and audited 63 packages in 1m

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

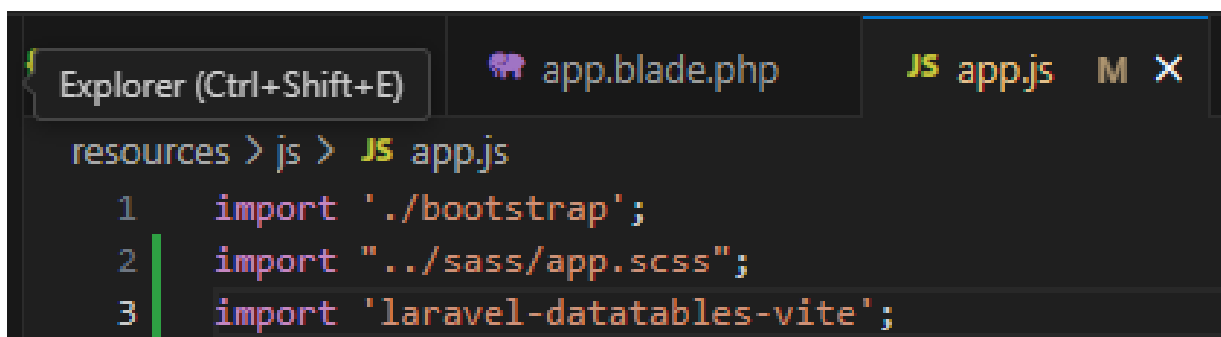
2 moderate severity vulnerabilities

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

Run `npm audit` for details.

```

d) Edit file resource/js/app.js



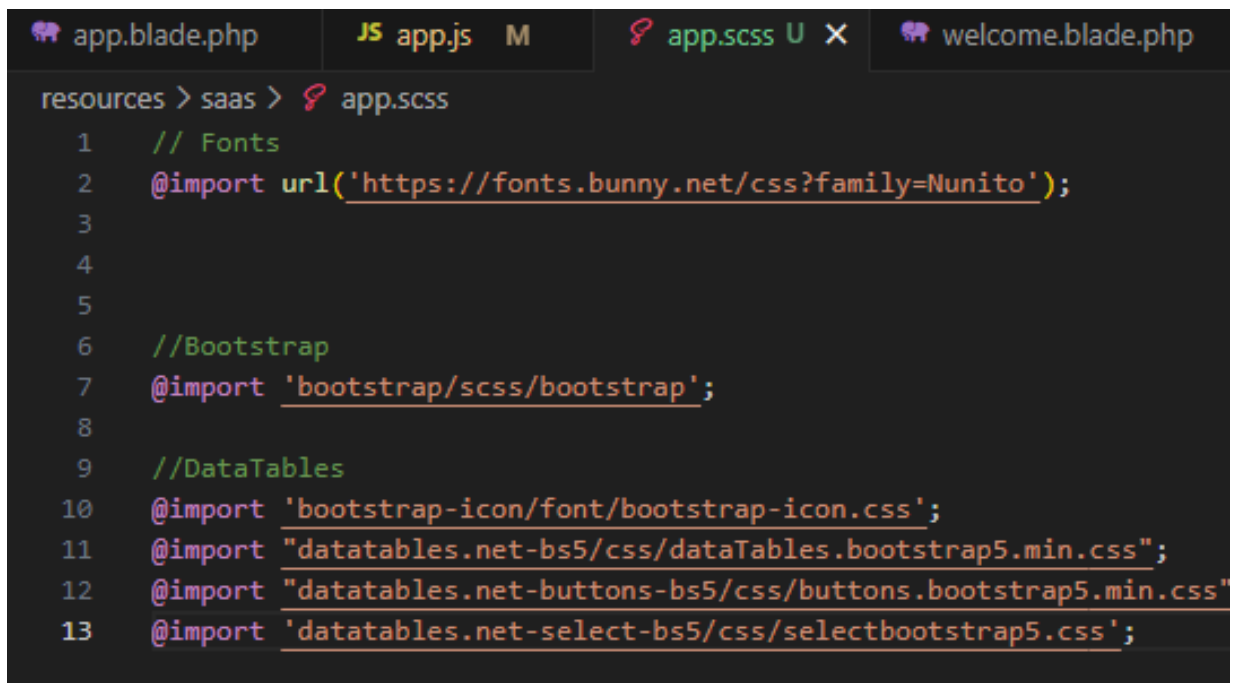
The screenshot shows the VS Code interface with the file explorer on the left and the editor on the right. The file explorer shows the 'resources' folder expanded, with 'js' and 'app.js' visible. The editor shows the content of 'app.js' with three lines of code:

```

resources > js > JS app.js
1   import './bootstrap';
2   import "../sass/app.scss";
3   import 'laravel-datatables-vite';

```

e) Membuat file resource/saas/app.scss



The screenshot shows the VS Code interface with the file explorer on the left and the editor on the right. The file explorer shows the 'resources' folder expanded, with 'saas' and 'app.scss' visible. The editor shows the content of 'app.scss' with 13 lines of code:

```

resources > saas > app.scss
1   // Fonts
2   @import url('https://fonts.bunny.net/css?family=Nunito');
3
4
5
6   //Bootstrap
7   @import 'bootstrap/scss/bootstrap';
8
9   //DataTables
10  @import 'bootstrap-icon/font/bootstrap-icon.css';
11  @import "datatables.net-bs5/css/dataTables.bootstrap5.min.css";
12  @import "datatables.net-buttons-bs5/css/buttons.bootstrap5.min.css";
13  @import "datatables.net-select-bs5/css/selectbootstrap5.css";

```


- f) Menjalankan dengan npm run dev

```
PS C:\laragon\www\PWL_2025\Minggu5\JS5_PWL_2025> npm run dev

> dev
> vite

VITE v5.4.14 ready in 466 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
```

- g) Membuat database untuk kategori

```
PS C:\laragon\www\PWL_2025\Minggu5\JS5_PWL_2025> php artisan datatables:
make Kategori

INFO DataTable [C:\laragon\www\PWL_2025\Minggu5\JS5_PWL_2025\app\Dat
aTables\KategoriDataTable.php] created successfully.
```

- h) Mengedit KategoriDataTable untuk mengatur kolom apa saja yang ingin ditampilkan

```
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\Builder as HtmlBuilder;
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     }
```

```

38     * Optional method if you want to use the html builder.
39     */
40     public function html(): HtmlBuilder
41     {
42         return $this->builder()
43             ->setTableId('kategori-table')
44             ->columns($this->getColumns())
45             ->minifiedAjax()
46             //->dom('Bfrtip')
47             ->orderBy(1)
48             ->selectStyleSingle()
49             ->buttons([
50                 Button::make('excel'),
51                 Button::make('csv'),
52                 Button::make('pdf'),
53                 Button::make('print'),
54                 Button::make('reset'),
55                 Button::make('reload')
56             ]);
57     }
58
59     /**
60     * Get the dataTable columns definition.
61     */
62     public function getColumns(): array
63     {
64         return [
65             /* Column::computed('action')
66                 ->exportable(false)
67                 ->printable(false)
68                 ->width(60)
69                 ->addClass('text-center'), */
70             Column::make('kategori_id'),
71             Column::make('kategori_kode'),
72             Column::make('kategori_nama'),

```

```

73             Column::make('created_at'),
74             Column::make('updated_at'),
75         ];
76     }
77
78     /**
79     * Get the filename for export.
80     */
81     protected function filename(): string
82     {
83         return 'Kategori_' . date('YmdHis');
84     }
85 }

```

i) Mengubah kategori model

```
KategoriModel.php U X  BarangModel.php U  KategoriController.php M
app > Models > KategoriModel.php > KategoriModel
1  <?php
2
3  namespace App\Models;
4
5  use Illuminate\Database\Eloquent\Model;
6  use Illuminate\Database\Eloquent\Relations\HasMany;
7
8  class KategoriModel extends Model
9  {
10     protected $table = 'm_kategori';
11     protected $primaryKey = 'kategori_id';
12
13     protected $fillable = ['kategori_kode', 'kategori_nama'];
14
15     public function barang(): HasMany
16     {
17         return $this->hasMany(BarangModel::class, 'barang_id', 'barang_i
18     }
19 }
```

j) Mengubah kategori Controller

```
KategoriModel.php 1, U  KategoriController.php M X  welcome.blade.php
app > Http > Controllers > KategoriController.php > ...
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\DataTables\KategoriDataTable;
6  use Illuminate\Http\Request;
7
8  class KategoriController extends Controller
9  {
10     public function index(KategoriDataTable $dataTable)
11     {
12         return $dataTable->render('kategori.index');
13     }
14 }
```

- k) Membuat file didalam resources/view, kemudian buat view blade index untuk kategori resources/view/kategori/index.blade.php

```
KategoriController.php M index.blade.php U X welcome.blade.php
resources > views > kategori > index.blade.php > ...
1  @extends('layouts.app')
2
3  {{-- Customize layout sections --}}
4
5  @section('subtitle', 'Kategori')
6  @section('content_header_title', 'Home')
7  @section('content_header_subtitle', 'Kategori')
8
9  @section('content')
10     <div class="container">
11         <div class="card">
12             <div class="card-header">Manage Kategori</div>
13             <div class="card-body">
14                 {{ $dataTable->table() }}
15             </div>
16         </div>
17     </div>
18 @endsection
19
20 @push('scripts')
21     {{ $dataTable->scripts() }}
22 @endpush
```

- l) Memastikan route untuk kategori sudah tersedia

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

- m) Menyesuaikan app layout

```
app.blade.php M X JS app.js M app.scss U KategoriDataTable.
resources > views > layouts > app.blade.php > h1.text-muted
1  @extends('adminlte::page')
2
3  {{-- Extend and customize the browser title --}}
4  @section('title')
5      {{ config('adminlte.title') }}
6      @hasSection('subtitle') | @yield('subtitle') @endif
7  @stop
8
9  @vite('resources/js/app.js')
10
11  {{-- Extend and customize the page content header --}}
```

```

12 @section('content_header')
13     @hasSection('content_header_title')
14         <h1 class="text-muted">
15             @yield('content_header_title')
16         @hasSection('content_header_subtitle')
17             <small class="text-dark">
18                 <i class="fas fa-xs fa-angle-right text-muted">
19                     @yield('content_header_subtitle')
20                 </i>
21             </small>
22         @endif
23     </h1>
24 @endif
25
26 @stop
27
28 {{-- Rename section content to content_body --}}
29 @section('content')
30     @yield('content_body')
31 @stop
32
33 {{-- Create a common footer --}}
34 @section('footer')
35     <div class="float-right">
36         Version: {{ config('app.version', '1.0.0') }}
37     </div>

```

```

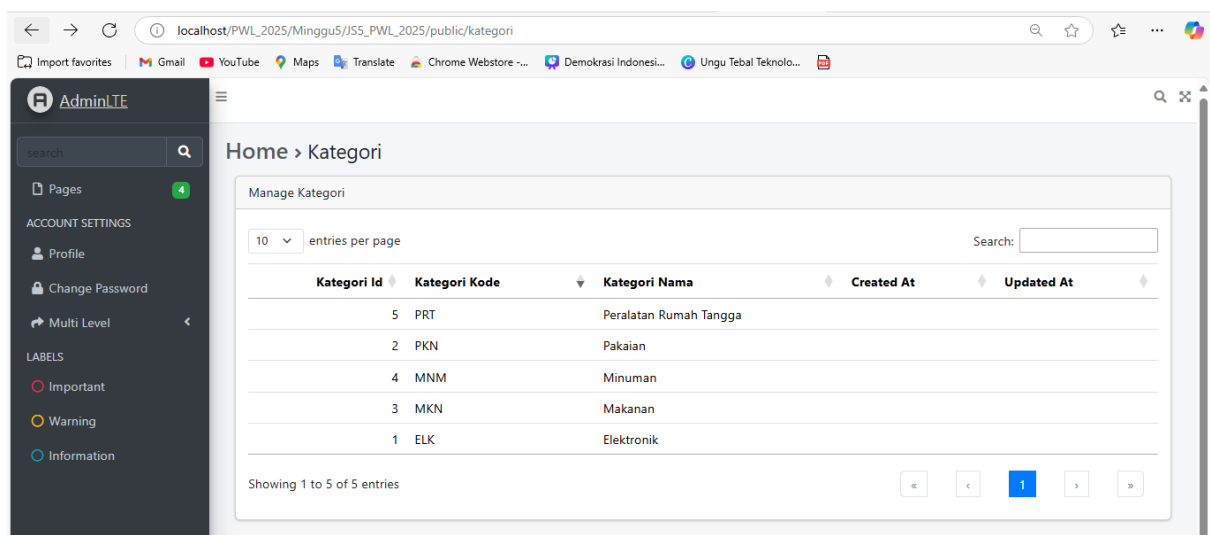
37 <strong>
38     <a href="{{ config('app.company_url', '#') }}">
39         {{ config('app.company_name', 'My company') }}
40     </a>
41 </strong>
42 @stop
43
44 {{-- Add common Javascript/Jquery code --}}
45 @push('js')
46     <script src="https://cdn.datatables.net/2.0.2/js/dataTables.js">
47 @endpush
48
49 @stack('scripts')
50
51 {{-- Add common CSS customizations --}}
52 @push('css')
53     <link rel="stylesheet" href="https://cdn.datatables.net/2.0.2/c">
54     <style type="text/css">
55         {{-- You can add AdminLTE customizations here --}}
56         /*
57         .card-header {
58             border-bottom: none;
59         }
60         .card-title {
61             font-weight: 600;
62         }
63         */
64     </style>
65 @endpush

```

n) Menset Vitejs/script type default

```
AppServiceProvider.php M X JS app.js M app.scss
app > Providers > AppServiceProvider.php > AppServiceProvider > boot
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         Builder::useVite();
24     }
25 }
```

o) Mengisikan beberapa data ke tabel kategori



Menambahkan data baru dengan seeder

```
public function run(): void
{
    DB::table('m_kategori')->truncate(); // Hapus semua data lama

    $data = [
        ['kategori_kode' => 'ELK', 'kategori_nama' => 'Elektronik'],
        ['kategori_kode' => 'PKN', 'kategori_nama' => 'Pakaian'],
        ['kategori_kode' => 'MKN', 'kategori_nama' => 'Makanan'],
        ['kategori_kode' => 'MNM', 'kategori_nama' => 'Minuman'],
        ['kategori_kode' => 'PRT', 'kategori_nama' => 'Peralatan Rumah Tangga'],
        ['kategori_kode' => 'CML', 'kategori_nama' => 'Cemilan'],
        ['kategori_kode' => 'MNR', 'kategori_nama' => 'Minuman Ringan'],
    ];

    DB::table('m_kategori')->insert($data);
}
```

```
PS C:\laragon\www\PWL_2025\Minggu5\JS5_PWL_2025> php artisan db:seed --
class=KategoriSeeder

INFO Seeding database.
```

Manage Kategori

10 entries per page Search:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At
1	ELK	Elektronik		
2	PKN	Pakaian		
3	MKN	Makanan		
4	MNM	Minuman		
5	PRT	Peralatan Rumah Tangga		
6	CML	Cemilan		
7	MNR	Minuman Ringan		

Showing 1 to 7 of 7 entries

p) Menload database di /kategori

localhost/PWL_2025/Minggu5/JS5_PWL_2025/public/kategori

AdminLTE

Home > Kategori

Manage Kategori

10 entries per page Search:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At
1	ELK	Elektronik		
2	PKN	Pakaian		
3	MKN	Makanan		
4	MNM	Minuman		
5	PRT	Peralatan Rumah Tangga		
6	CML	Cemilan		
7	MNR	Minuman Ringan		

Showing 1 to 7 of 7 entries

Halaman akan menampilkan isi dari tabel kategori yang memanfaatkan Yajra DataTables yaitu sebuah library Laravel yang menyediakan integrasi mudah antara Laravel dan JQuery DataTables.

Praktikum3 : Membuat form kemudian menyimpan data dalam database

- a) Menyesuaikan routing, tambahkan

```
20 Route::get('/kategori', [KategoriController::class, 'index']);
21 Route::get('/kategori/create', [KategoriController::class, 'create']);
22 Route::post('/kategori', [KategoriController::class, 'store']);
```

- b) Menambahkan dua function dalam KategoriController

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


- c) Membuat file dengan nama create.blade.php dalam folder views/kategori

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

- d) Melakukan pengecualian CsrfToken, karena belum melakukan otentikasi

```
create.blade.php U  VerifyCsrfToken.php M X  index.blade.php  we
pp > 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       * The URIs that should be excluded from CSRF verification.
11       *
12       * @var array<int, string>
13       */
14     protected $except = [
15         '/kategori'
16     ];
17 }
```

e) Mengakses kategori/create

The screenshot shows a web browser at the URL `localhost/PWL_2025/Minggu5/J55_PWL_2025/public/kategori/create`. The page is titled 'Kategori > Create'. On the left is a dark sidebar with 'AdminLTE' and a search bar. The main content area has a blue header 'Buat kategori baru'. Below it are two input fields, both labeled 'Kode Kategori', and a blue 'Submit' button.

f) Membuka halaman kategori

Manage Kategori

10

▼

entries per page

Search:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At
1	ELK	Elektronik		
2	PKN	Pakaian		
3	MKN	Makanan		
4	MNM	Minuman		
5	PRT	Peralatan Rumah Tangga		
6	CML	Cemilan		
7	MNR	Minuman Ringan		
9	DST	Dessert	2025-03-18T14:35:44.000000Z	2025-03-18T14:35:44.000000Z

Showing 1 to 8 of 8 entries

«

<

1

>

»

Muncul kategori baru dengan Kode DST dan nama Dessert

Tugas Praktikum

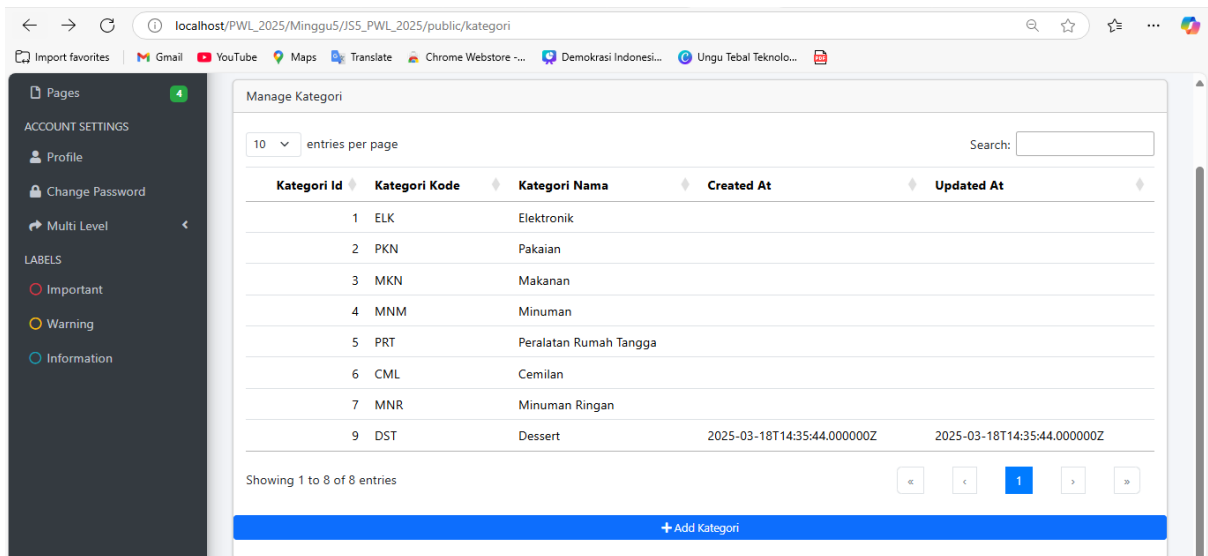
- a) Tambahkan button Add dihalaman manage kategori, yang mengarah ke create kategori baru

Menambahkan script untuk menampilkan tombol +Add Kategori

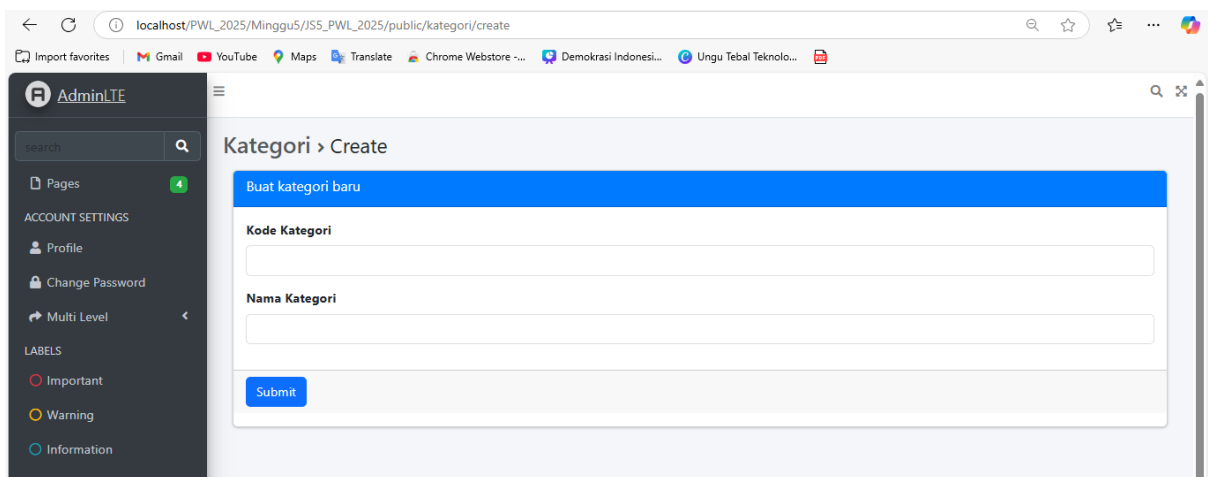
```
blade.php  VerifyCsrfToken.php  index.blade.php M  web.php M  welcome.blade.php
resources > views > kategori > index.blade.php > div.container > div.card > a.btn.btn-primary.btn-sm.mb-4
1  @extends('layouts.app')
2
3  {{-- Customize layout sections --}}
4
5  @section('subtitle', 'Kategori')
6  @section('content_header_title', 'Home')
7  @section('content_header_subtitle', 'Kategori')
8
9  @section('content')
10     <div class="container">
11         <div class="card">
12             <div class="card-header">Manage Kategori</div>
13             <div class="card-body" >
14                 {{ $dataTable->table() }}
15             </div>
16             <a href="{{ route('kategori.create') }}" class="btn btn-primary btn-sm mb-4">
17                 <i class="fas fa-plus"></i> Add Kategori
18             </a>
19         </div>
20     </div>
21 @endsection
22
23 @push('scripts')
24     {{ $dataTable->scripts() }}
25 @endpush
```

Menambahkan get pada web.php agar ketika button +Add Kategori di klik dapat masuk pada halaman /kategori/create

```
goriController.php  create.blade.php  console.php  kategori.blade.php  VerifyCsrfToken.php  index.blade.php M
routes > web.php > ...
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4  use App\Http\Controllers\LevelController;
5  use App\Http\Controllers\KategoriController;
6  use App\Http\Controllers\UserController;
7
8  Route::get('/', function () {
9      return view('welcome');
10 });
11
12 Route::get('/level', [LevelController::class, 'index']);
13 Route::get('/kategori', [KategoriController::class, 'index']);
14 Route::get('/user', [UserController::class, 'index']);
15 Route::get('/user/tambah', [UserController::class, 'tambah']);
16 Route::post('/user/tambah_simpan', [UserController::class, 'tambah_simpan']);
17 Route::get('/user/ubah/{id}', [UserController::class, 'ubah']);
18 Route::put('/user/ubah_simpan/{id}', [UserController::class, 'ubah_simpan']);
19 Route::get('/user/hapus/{id}', [UserController::class, 'hapus']);
20 Route::get('/kategori', [KategoriController::class, 'index']);
21 Route::get('/kategori/create', [KategoriController::class, 'create'])->name('kategori.create');
22 Route::post('/kategori', [KategoriController::class, 'store']);
```



Hasil ketika button +Add Kategori di klik



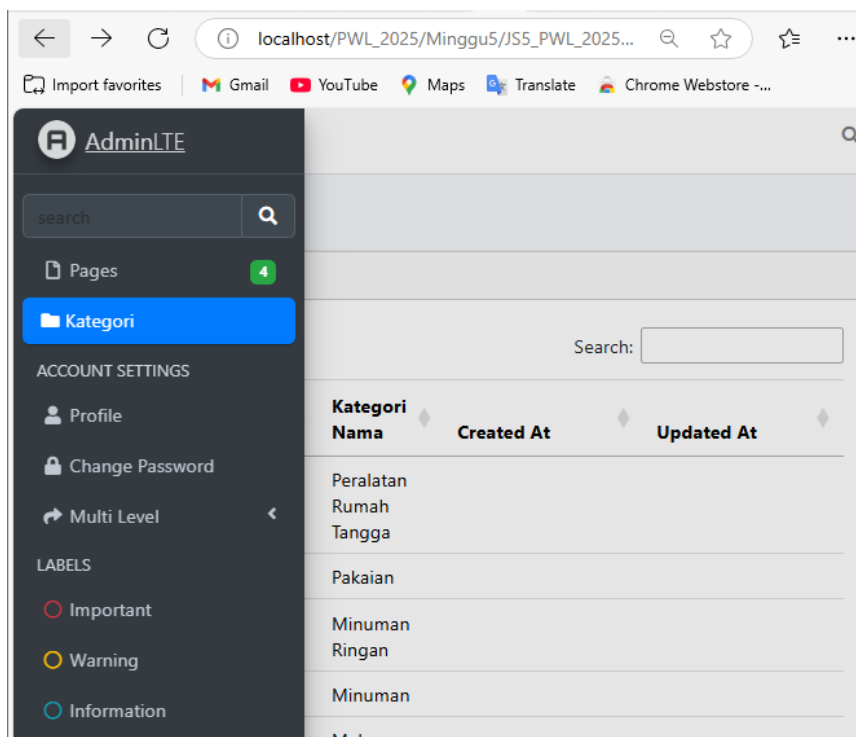
- b) Tambahkan menu untuk halaman manage kategori, didaftar menu navbar

Menambahkan script pada adminlte.php

```
app.blade.php  adminlte.php M X  AppServiceProvider.php  JS ap

config > adminlte.php
3   return [
301       'menu' => [
314           [
315               'type' => 'sidebar-menu-search',
316               'text' => 'search',
317           ],
318           [
319               'text' => 'blog',
320               'url' => 'admin/blog',
321               'can' => 'manage-blog',
322           ],
323           [
324               'text' => 'pages',
325               'url' => 'admin/pages',
326               'icon' => 'far fa-fw fa-file',
327               'label' => 4,
328               'label_color' => 'success',
329           ],
330           [
331               'text' => 'Kategori',
332               'url' => '/kategori',
333               'icon' => 'fas fa-folder',
334           ],
335       ],
336   ],
```

Kategori muncul pada menu navbar



- c) Tambahkan action edit di datatables dan buat halaman edit serta controllernya

Menambahkan script pada KategoriDataTable.php

```
24     return (new EloquentDataTable($query))
25     ->addColumn('action', function ($row) {
26         $editUrl = url('/kategori/edit', $row->kategori_id);
27         $csrfToken = csrf_token();
28
29         return '
30         <div class="d-flex gap-2">
31             <a href="' . $editUrl . '" class="btn btn-warning btn-sm d-flex align-items-center px-3">
32                 Edit
33             </a>
34             <input type="hidden" name="_method" value="POST">
35             <input type="hidden" name="_token" value="' . $csrfToken . '">
36         </div>
37         </div>
38         '
39     );
40     ->rawColumns(['action'])
41     ->setRowId('id');
42 }
43
```

```
77     public function getColumns(): array
78     {
79         return [
80             /*
81              * Column::computed('action')
82              * ->exportable(false)
83              * ->printable(false)
84              * ->width(60)
85              * ->addClass('text-center'), */
86             Column::make('kategori_id'),
87             Column::make('kategori_kode'),
88             Column::make('kategori_nama'),
89             Column::make('created_at'),
90             Column::make('updated_at'),
91             Column::computed('action')
92                 ->exportable(false)
93                 ->printable(false)
94                 ->width(100)
95                 ->addClass('text-center'),
96         ];
97     }

```

Menambahkan script pada KategoriController.php

```
app > Http > Controllers > KategoriController.php > KategoriController > update
9  class KategoriController extends Controller
26 }
27
28 public function edit($id)
29 {
30     $kategori = KategoriModel::where('kategori_id', $id)->firstOrFail();
31     return view('kategori.edit', compact('kategori'));
32 }
33
34 public function update(Request $request, $id)
35 {
36     $request->validate([
37         'kategori_kode' => 'required|string|max:50',
38         'kategori_kode' => 'required|string|max:10',
39         'kategori_nama' => 'required|string|max:100',
40     ]);
41
42     $kategori = KategoriModel::where('kategori_id', $id)->firstOrFail();
43     $kategori->update([
44         'kategori_kode' => $request->kategori_kode,
45         'kategori_nama' => $request->kategori_nama,
46     ]);
47
48     return redirect('/kategori')->with('success', 'Kategori berhasil diperbarui!');
49     return redirect('/kategori');
50 }
51 }
```

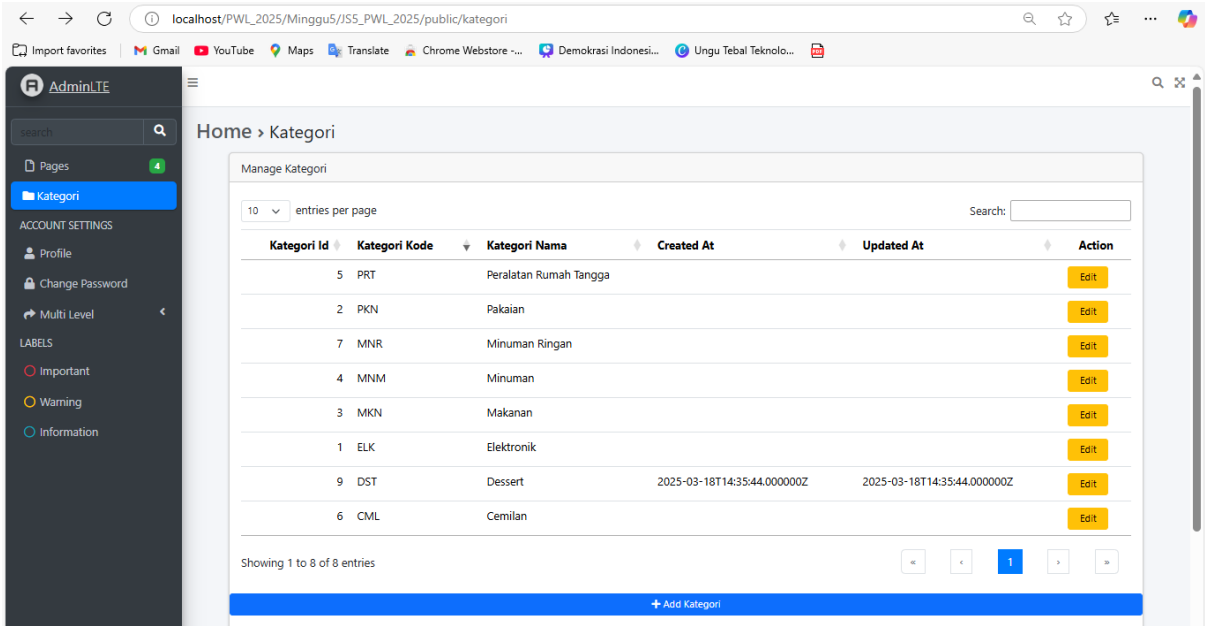
Menambahkan get pada web.php

```
21 Route::post('/kategori', [KategoriController::class, 'store']);
23 Route::get('/kategori/edit/{id}', [KategoriController::class, 'edit'])->name('kategori.edit');
24 Route::put('/kategori/{id}', [KategoriController::class, 'update'])->name('kategori.update');
```

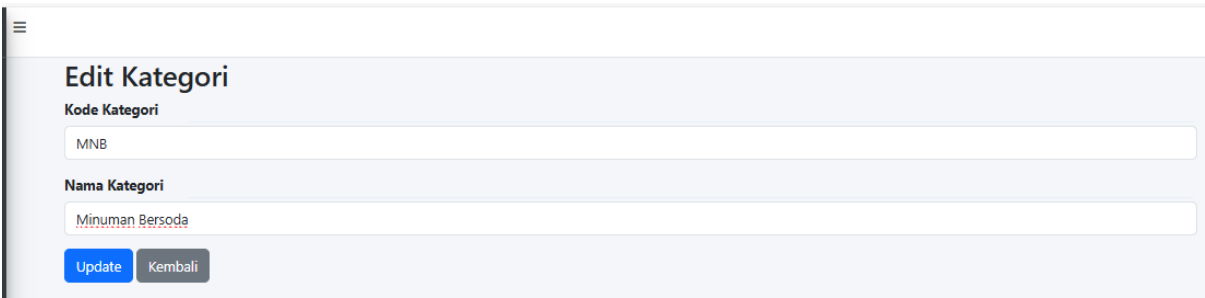
Membuat blade dengan nama edit.blade.php

```
resources > views > kategori > edit.blade.php > div.container > form
1  @extends('layouts.app')
2
3  @section('content')
4  <div class="container">
5      <h2>Edit Kategori</h2>
6      <form action="{{ route('kategori.update', $kategori->kategori_id) }}" method="POST">
7          @csrf
8          @method('PUT')
9
10         <div class="mb-3">
11             <label for="kategori_kode" class="form-label">Kode Kategori</label>
12             <input type="text" class="form-control" id="kategori_kode" name="kategori_kode" value="{{ $kategori->kategori_kode }}" required>
13         </div>
14
15         <div class="mb-3">
16             <label for="kategori_nama" class="form-label">Nama Kategori</label>
17             <input type="text" class="form-control" id="kategori_nama" name="kategori_nama" value="{{ $kategori->kategori_nama }}" required>
18         </div>
19
20         <button type="submit" class="btn btn-primary">Update</button>
21         <a href="{{ url('/kategori') }}" class="btn btn-secondary">Kembali</a>
22     </form>
23 </div>
24 @endsection
```

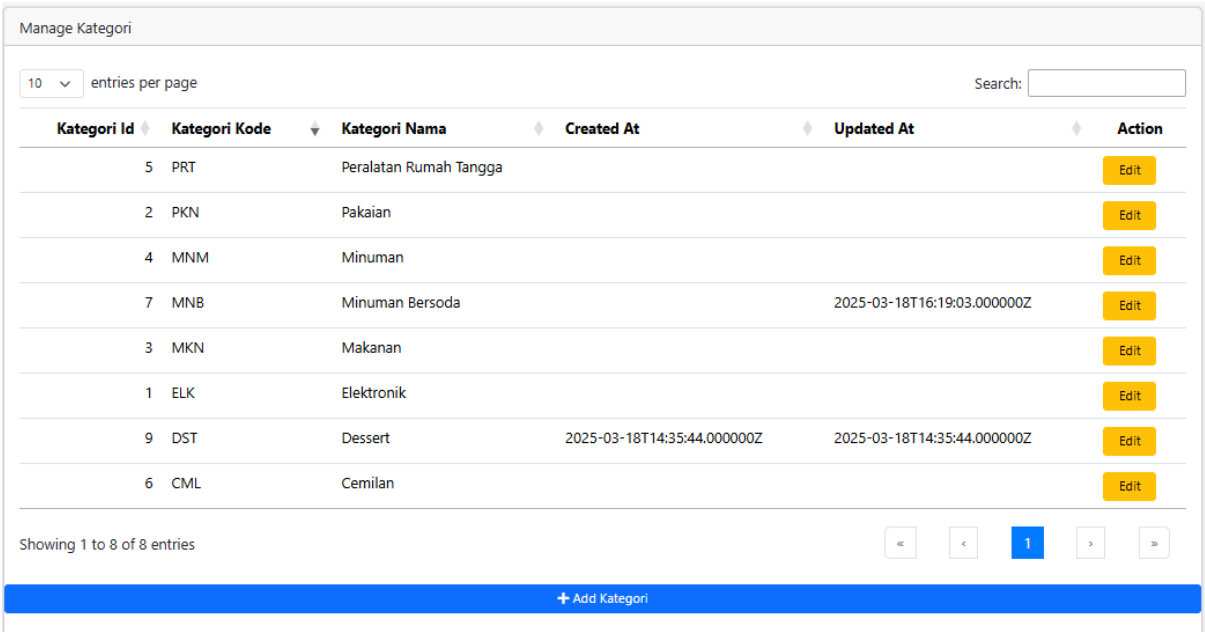
Ii adalah tampilan setelah ditambahkan button edit



Ketika button edit di klik, maka akan secara otomatis menuju kategori/edit/{id}, pada halaman ini kita dapat mengubah kode dan nama kategori dan menklik tombol update untuk menyimpan



Setelah update dilakukan, maka data yang diedit akan berubah pada halaman utama



- d) Tambahkan action delete di datatables serta controllernya

Memnnambahkan script pada KategoriController.php

```
52     public function destroy($id)
53     {
54         $kategori = KategoriModel::findOrFail($id);
55         $kategori->delete();
56
57         return redirect('/kategori');
58     }
```

Menambahkan script pada KategoriDataTable.php

```
34 </a>
35 <form action="" . $deleteUrl . "" method="POST" style="margin:0;">
36 <input type="hidden" name="_method" value="POST">
37 <input type="hidden" name="_token" value="" . $csrfToken . "">
38 <button type="submit" class="btn btn-danger btn-sm d-flex align-items-center px-3"
39     onclick="return confirm('\Yakin ingin menghapus?')">
40     Delete
41 </button>
42 </form>
```

Menambahkan get pada web.php

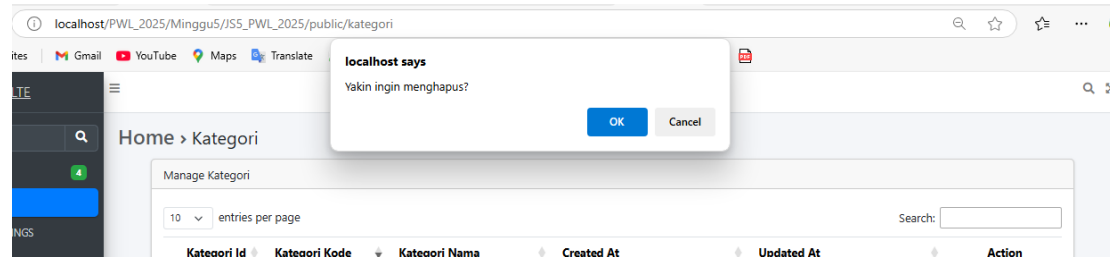
```
25 Route::post('/kategori/delete/{id}', [KategoriController::class, 'destroy'])->name('kategori.destroy');
```

Ini adalah tampilan halaman yang sudah ditambahkan button delete

The screenshot displays the AdminLTE interface. On the left is a dark sidebar with a search bar and navigation links: 'Kategori' (highlighted), 'ACCOUNT SETTINGS' (Profile, Change Password, Multi Level), and 'LABELS' (Important, Warning, Information). The main content area is titled 'Home > Kategori' and contains a 'Manage Kategori' section. This section includes a table with 8 rows of category data. Each row has an 'Action' column with 'Edit' and 'Delete' buttons. The table is paginated, showing 'Showing 1 to 8 of 8 entries'. At the bottom of the table is a blue button labeled '+ Add Kategori'.

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At	Action
5	PRT	Peralatan Rumah Tangga			<button>Edit</button> <button>Delete</button>
2	PKN	Pakaian			<button>Edit</button> <button>Delete</button>
4	MNM	Minuman			<button>Edit</button> <button>Delete</button>
7	MNB	Minuman Bersoda		2025-03-18T16:19:03.000000Z	<button>Edit</button> <button>Delete</button>
3	MKN	Makanan			<button>Edit</button> <button>Delete</button>
1	ELK	Elektronik			<button>Edit</button> <button>Delete</button>
9	DST	Dessert	2025-03-18T14:35:44.000000Z	2025-03-18T14:35:44.000000Z	<button>Edit</button> <button>Delete</button>
6	CML	Cemilan			<button>Edit</button> <button>Delete</button>

Ketika mengklik button delete akan muncul verifikasi apakah benar ingin menghapus data, jika iya klik OK



Ketika proses delete berhasil dilakukan, maka data kategori akan hilang

Manage Kategori

10 entries per page

Search:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At	Action
5	PRT	Peralatan Rumah Tangga			Edit Delete
2	PNK	Pakaian			Edit Delete
4	MNM	Minuman			Edit Delete
7	MNB	Minuman Bersoda		2025-03-18T16:19:03.000000Z	Edit Delete
3	MKN	Makanan			Edit Delete
1	ELK	Elektronik			Edit Delete
9	DST	Dessert	2025-03-18T14:35:44.000000Z	2025-03-18T14:35:44.000000Z	Edit Delete

Showing 1 to 7 of 7 entries

<<
<
1
>
>>

+ Add Kategori