

LAPORAN PRAKTIKUM
PEMROGRAMAN WEB LANJUT
BLADE VIEW, WEB TEMPLATING (ADMINLTE), DATATABLES



Disusun Oleh :

Qusnul Diah Mawanti

2341760035

PROGRAM STUDI D-IV SISTEM INFORMASI BISNIS
JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG

2025



Jurusan Teknologi Informasi – Politeknik Negeri
Malang

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

Mata Kuliah : Pemrograman Web Lanjut

Kelas : 2A – SIB

Nama : Qusnul Diah Mawanti

No absen : 25

NIM : 2341760035

Maret 2025

PERSIAPAN

View merupakan tempat bagi kita untuk meletakkan kode-kode HTML. Sehingga dalam laravel tidak menggunakan lagi file berformat .html. Kita masih menggunakan tagging HTML, tapi kita perlu handle tampilan dengan lebih canggih. Menampilkan data yang diberikan oleh controller. Untuk itu kita akan menggunakan templating engine, yaitu Blade.

Blade merupakan templating engine bawaan Laravel. Berguna untuk mempermudah dalam menulis kode tampilan. Dan juga memberikan fitur tambahan untuk memanipulasi data di view yang dilempar dari controller. Blade juga memungkinkan penggunaan plain PHP pada kode View.

Sesuai dengan **Studi Kasus PWL.pdf**.

Jadi project Laravel 10 kita masih sama dengan menggunakan repositori **PWL_POS**.

Project PWL_POS akan kita gunakan sampai pertemuan 12 nanti, sebagai project yang akan kita pelajari

```
C:\laragon\www>composer create-project "laravel/laravel:^10.0" PWL_POS
Creating a "laravel/laravel:^10.0" project at "./PWL_POS"
Installing laravel/laravel (v10.3.3)
- Installing laravel/laravel (v10.3.3): Extracting archive
Created project in C:\laragon\www\PWL_POS
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies
Lock file operations: 111 installs, 0 updates, 0 removals
- Locking brick/math (0.12.3)
```

DASAR TEORI

1. Praktikum 1: Integrasi Laravel dengan AdminLTE3

Cara paling cepat dan clean dapat dilakukan menggunakan repository dalam tautan berikut <https://github.com/jeroennoten/Laravel-AdminLTE/wiki/Installation>.

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

```
Command Prompt
Microsoft Windows [Version 10.0.22631.5039]
(c) Microsoft Corporation. All rights reserved.

C:\Users\LENOVO>cd C:\laragon\www\PWL_POS

C:\laragon\www\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
```

- Melakukan instalasi requirement project di atas dengan command berikut:
Perintah di atas akan meng-install:

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

- 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/

```
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     },
15     "require-dev": {
16         "fakerphp/faker": "^1.9.1",
17         "laravel/pint": "^1.0",
18         "laravel/sail": "^1.18",
19         "mockery/mockery": "^1.4.4",
20         "nunomaduro/collision": "^7.0",
21         "phpunit/phpunit": "^10.1",
22         "spatie/laravel-ignition": "^2.0"
23     },
24     "autoload": {
25         "psr-4": {
26             "App\\": "app/",
27             "Database\\Factories\\": "database/factories/",
28             "Database\\Seeders\\": "database/seeders/"
29         }
30     }
31 }
```

- c. Buat file `resources/views/layouts/app.blade.php`. Isi dengan kode berikut.

```
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
12 @section('content_header')
13     @hasSection('content_header_title')
14         <h1 class="text-muted">
15             @yield('content_header_title')
16
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
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     });
```

```

56 </script>
57 @endpush
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

```

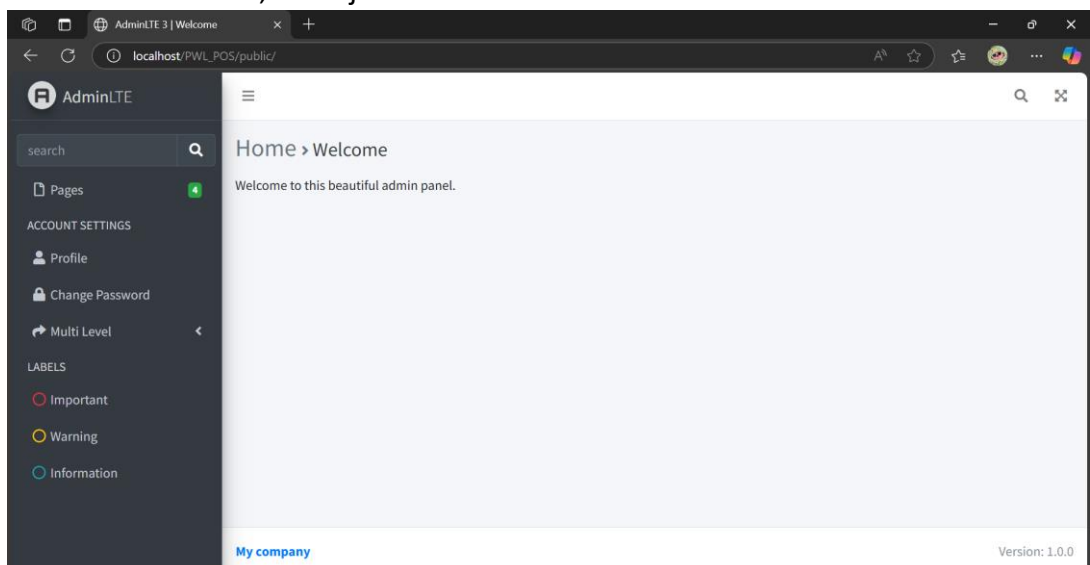
- d. Edit [resources/views/welcome.blade.php](#), kemudian replace seluruh kodenya dengan kode berikut.

```

resources > views > welcome.blade.php > ...
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('content_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!"); </script>
26 @endpush

```

- e. Kembali ke browser, menuju ke halaman awal.



2. Praktikum 2: Integrasi dengan DataTables

a. Install Laravel DataTables

```
C:\laragon\www\PWL_POS>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

C:\laragon\www\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/c
onstraints
./composer.json has been updated
Running composer update yajra/laravel-datatables
Loading composer repositories with package information
Updating dependencies
```

b. Pastikan nodejs sudah terinstall, dengan perintah `npm -v`.

```
C:\laragon\www\PWL_POS>npm -v
10.2.4
```

Jika belum install nodejs package manager dari

<https://nodejs.org/dist/v20.11.1/node-v20.11.1-x64.msi>

Npm digunakan untuk manajemen package javascript.

c. Install Laravel DataTables Vite

```
C:\laragon\www\PWL_POS>npm i laravel-datatables-vite --save-dev
added 47 packages, and audited 48 packages in 24s

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! 10.2.4 -> 11.2.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v11.2.0
npm notice Run `npm install -g npm@11.2.0` to update!
npm notice
```

dan sass

```
C:\laragon\www\PWL_POS>npm install -D sass
added 15 packages, and audited 63 packages in 8s

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 `resources/js/app.js`

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

- e. Buatlah file `resources/sass/app.scss`

```
resources > sass > 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-icons/font/bootstrap-icons.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/select.bootstrap5.css';
```

- f. Jalankan dengan `npm run dev`

```
C:\laragon\www\PWL_POS>npm run dev

> dev
> vite

VITE v5.4.14 ready in 1129 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. Selanjutnya kita akan buat datatables untuk kategori

```
C:\laragon\www\PWL_POS>php artisan datatables:make Kategori

INFO DataTable [C:\laragon\www\PWL_POS\app\DataTables\KategoriDataTable.php] created successfully.
```

- h. Kita edit `KategoriDataTable` untuk mengatur kolom apa saja yang ingin ditampilkan
Sesuaikan dengan kode program berikut

```

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;
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 $this->builder()
43             ->setTableId('kategori-table')
44             ->columns($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             ]);

```



```

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. Ubah [KategoriModel](#), sesuaikan seperti berikut

```

app > Models > KategoriModel.php > ...
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_id');
18     }
19 }

```

- j. Ubah [KategoriController](#) sesuaikan dengan skrip berikut:

```

app > Http > Controllers > KategoriController.php > ...
1  <?php
2
3  namespace App\Http\Controllers;
4
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 }

```

- k. Buat folder kategori di dalam resources/view, kemudian buat view blade index untuk kategori `resources/views/kategori/index.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. Pastikan route untung kategori sudah tersedia

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

- m. Sesuaikan app layout seperti kode berikut

```
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 @vite('resources/js/app.js')
11
12 {{-- Extend and customize the page content header --}}
13
14 @section('content_header')
15     @hasSection('content_header_title')
16         <h1 class="text-muted">
17             @yield('content_header_title')
18
19             @hasSection('content_header_subtitle')
20                 <small class="text-dark">
21                     <i class="fas fa-xs fa-angle-right text-muted"></i>
22                     @yield('content_header_subtitle')
23                 </small>
24             @endif
25         </h1>
26     @endif
27 @stop
28
```

```

29  {{-- Rename section content to content_body --}}
30
31  @section('content')
32  |    @yield('content_body')
33  @stop
34
35
36  {{-- Create a common footer --}}
37
38  @section('footer')
39  |    <div class="float-right">
40  |        Version: {{ config('app.version', '1.0.0') }}
41  |    </div>
42
43  |    <strong>
44  |        <a href="{{ config('app.company_url', '#') }}">
45  |            {{ config('app.company_name', 'My company') }}
46  |        </a>
47  |    </strong>
48  @stop
49
50
51  {{-- Add common Javascript/Jquery code --}}
52
53
54
55  @push('js')
56  <script src="https://cdn.datatables.net/2.0.2/js/dataTables.js"></script>
57
58  @endpush
59
60  @stack('scripts')
61
62
63  {{-- Add common CSS customizations --}}
64
65  @push('css')
66  <link rel="stylesheet" href="https://cdn.datatables.net/2.0.2/css/dataTables.dataTables.css" />
67
68  <style type="text/css">
69  |
70  |    {{-- You can add AdminLTE customizations here --}}
71  |    /*
72  |    .card-header {
73  |    |    border-bottom: none;
74  |    }
75  |    .card-title {
76  |    |    font-weight: 600;
77  |    }
78  |    */
79  |
80  </style>
81
82  @endpush

```

n. Manset ViteJs / script type defaults

```

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         Builder::useVite();
24     }
25 }

```

o. Isikan beberapa data ke table kategori

		kategori_id	kategori_kode	kategori_nama	created_at	updated_at
<input type="checkbox"/>	Edit Copy Delete	1	ELK	Elektronik	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	2	FAS	Fashion	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	3	MKN	Makanan	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	4	ATK	Alat Tulis	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	5	SPT	Sport	NULL	NULL
<input type="checkbox"/>	Edit Copy Delete	6	CML	Cemilan	2024-03-09 10:30:00	NULL
<input type="checkbox"/>	Edit Copy Delete	7	MNR	Minuman Ringan	2024-03-09 13:01:39	NULL

p. Datatables sudah dapat di load di /kategori

localhost/PWL_POS/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	FAS	Fashion		
3	MKN	Makanan		
4	ATK	Alat Tulis		
5	SPT	Sport		
6	CML	Cemilan	2024-03-09T10:30:00.000000Z	
7	MNR	Minuman Ringan	2024-03-09T13:01:39.000000Z	

Showing 1 to 7 of 7 entries

3. Praktikum 3: Membuat form kemudian menyimpan data dalam database

- a. Menyesuaikan routing, tambahkan dua routing berikut

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

- b. Tambahkan dua function berikut dalam `KategoriController`

```
app > Http > Controllers > KategoriController.php > ...
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
27         return redirect('/kategori');
28     }
29 }
```

- c. Dalam folder `views/kategori`, buatlah file dengan nama `create.blade.php`

```
resources > views > kategori > create.blade.php > div.container > div.card.card-primary
1  @extends('layouts.app')
2  {{-- Customize 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"
19                             placeholder="untuk makanan, contoh: MKN">
20                     </div>
21                     <div class="form-group">
22                         <label for="namaKategori">Nama Kategori</label>
23                         <input type="text" class="form-control" id="namaKategori" name="namaKategori"
24                             placeholder="Nama">
25                     </div>
26                 </div>
27             </form>
28         </div>
29     </div>
```

```

28         <div class="card-footer">
29             <button type="submit" class="btn btn-primary">Submit</button>
30         </div>
31     </form>
32 </div>
33 </div>
34 @endsection

```

- d. Kita lakukan pengecualian proteksi CsrfToken. Karena kita belum melakukan otentikasi .

Kita edit dalam file berikut:

```

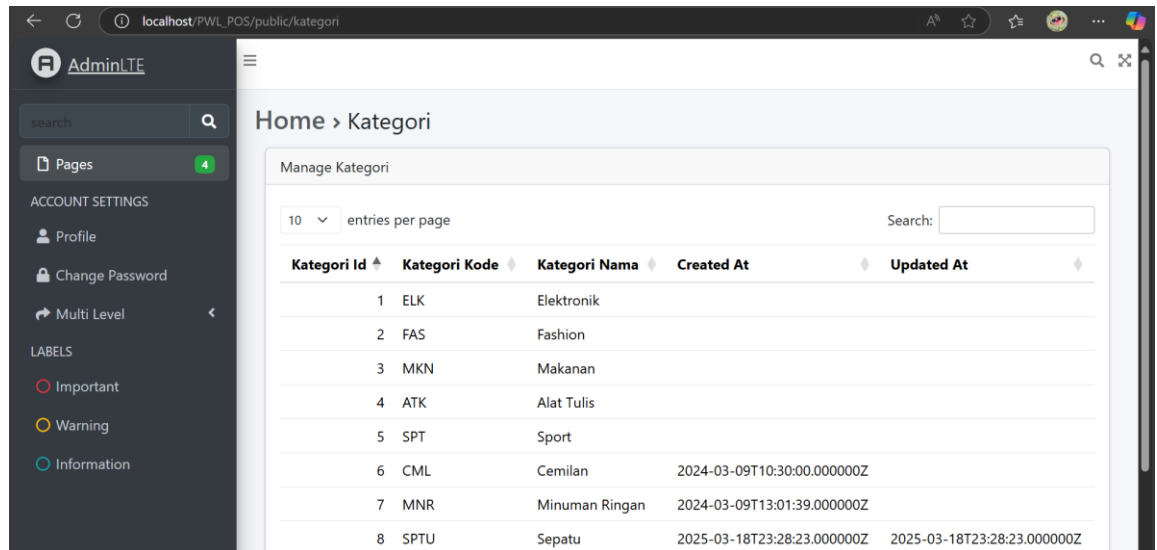
app > Http > Middleware > VerifyCsrfToken.php > ...
1  <?php
2
3  namespace App\Http\Middleware;
4
5  use Illuminate\Foundation\Http\Middleware\VerifyCsrfToken as Middleware;
6
7  class VerifyCsrfToken extends Middleware
8  {
9      /**
10       * The URIs that should be excluded from CSRF verification.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

```

- e. Akses [kategori/create](#)

The screenshot shows a web browser at the URL `localhost/PWL_POS/public/kategori/create`. The page title is "Kategori > Create". The form is titled "Buat kategori baru" and contains two input fields: "Kode Kategori" (with a placeholder "untuk makanan, contoh: MKN") and "Nama Kategori" (with a placeholder "Nama"). A blue "Submit" button is located below the input fields. The left sidebar of the application shows the "AdminLTE" logo, a search bar, and a navigation menu with sections for "Pages" (4 items), "ACCOUNT SETTINGS" (Profile, Change Password, Multi Level), and "LABELS" (Important, Warning, Information).

f. Halaman kategori

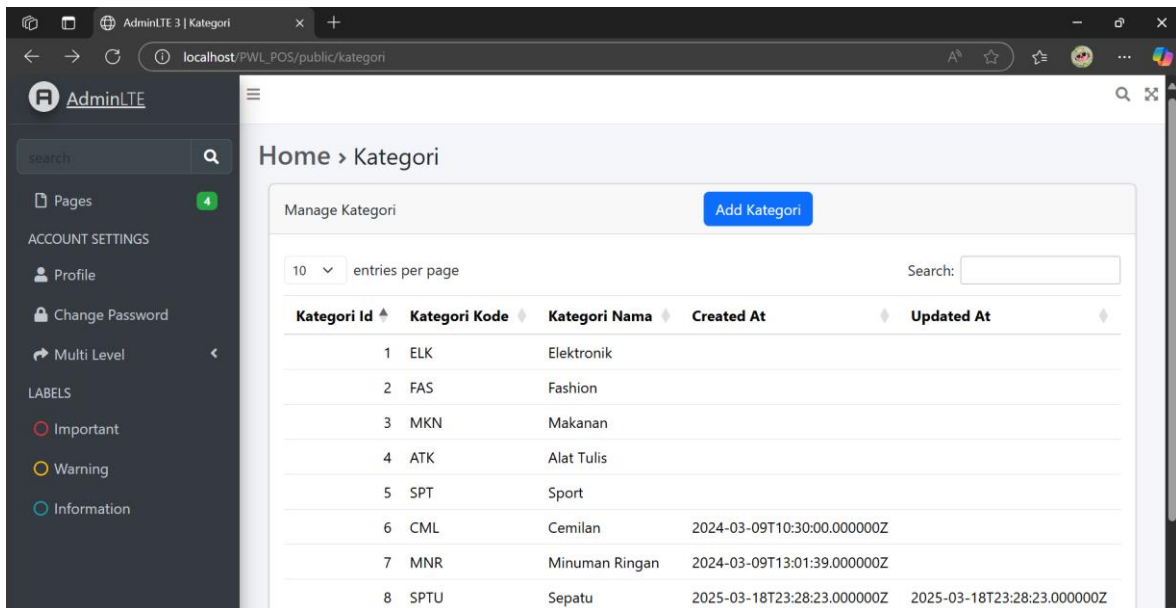


Tugas Praktikum

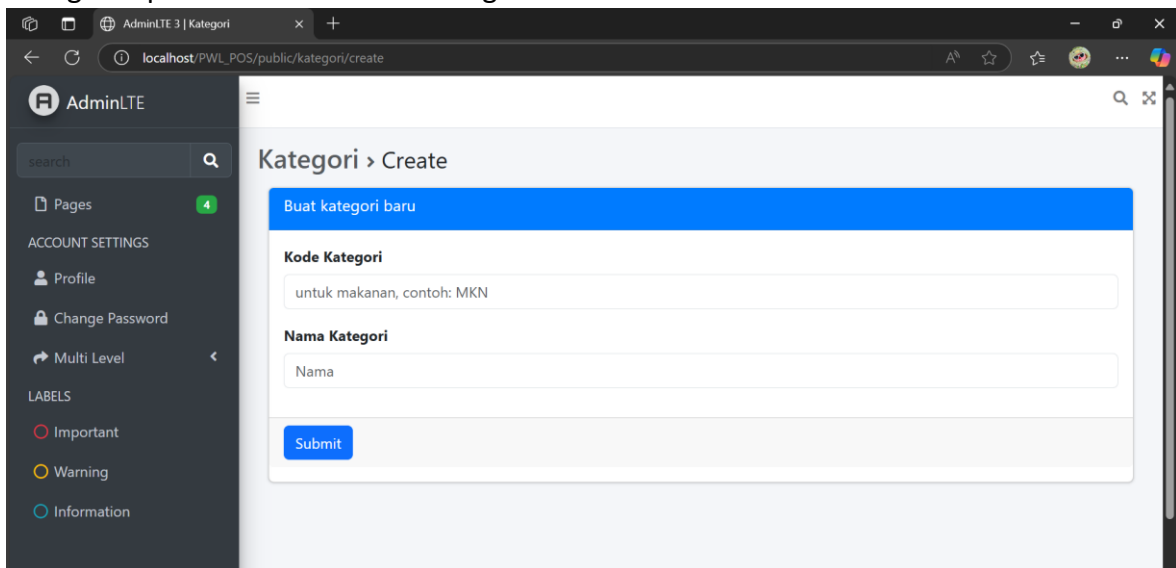
1. Tambahkan button Add di halaman manage kategori, yang mengarah ke create kategori baru.

Edit file `kategori/index.blade.php`, tambahkan tombol "Add" yang mengarah ke halaman create kategori.

```
resources > views > kategori > index.blade.php > ...
1  @extends('layouts.app')
2
3  @section('subtitle', 'Kategori')
4  @section('content_header_title', 'Home')
5  @section('content_header_subtitle', 'Kategori')
6
7  @section('content')
8      <div class="container">
9          <div class="card">
10             <div class="card-header d-flex justify-content-between align-items-center">
11                 <span>Manage Kategori</span>
12                 <a href="{{ route('kategori.create') }}" class="btn btn-primary">Add Kategori</a>
13             </div>
14             <div class="card-body">
15                 {{ $dataTable->table() }}
16             </div>
17         </div>
18     </div>
19 @endsection
20
21 @push('scripts')
22     {{ $dataTable->scripts() }}
23 @endpush
```

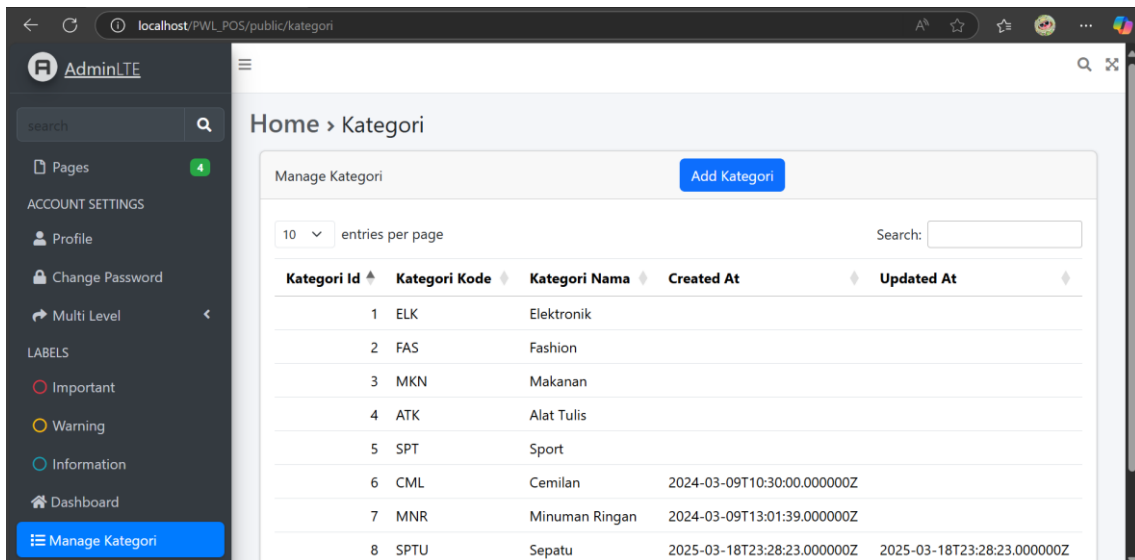


Mengarah pada halaman create kategori.



2. Tambahkan menu untuk halaman manage kategori, di daftar menu navbar. Menambahkan menu pada file [config/adminlte.php](#) di bagian 'menu'

```
[
    'text' => 'Dashboard',
    'url' => '/',
    'icon' => 'fas fa-home',
],
[
    'text' => 'Manage Kategori',
    'url' => 'kategori',
    'icon' => 'fas fa-list',
],
```

3. Tambahkan action edit di datatables dan buat halaman edit serta controllernya. Modifikasi KategoriDataTable.php untuk menambahkan kolom aksi Tambahkan tombol edit di DataTables:

```
public function dataTable(QueryBuilder $query): EloquentDataTable
{
    return (new EloquentDataTable($query))
        ->addColumn('action', function ($kategori) {
            return '
                <a href="'.route('kategori.edit', $kategori->kategori_id).'" class="btn btn-warning btn-sm">Edit</a>
                <button class="btn btn-danger btn-sm delete-btn" data-id="'. $kategori->kategori_id.'">Delete</button>
            ';
        })
        ->rawColumns(['action'])
        ->setRowId('id');
}
```

```
public function getColumns(): array
{
    return [
        /*
            Column::computed('action')
            ->exportable(false)
            ->printable(false)
            ->width(60)
            ->addClass('text-center'), */
        Column::make('kategori_id'),
        Column::make('kategori_kode'),
        Column::make('kategori_nama'),
        Column::make('created_at'),
        Column::make('updated_at'),
        Column::computed('action')
            ->exportable(false)
            ->printable(false)
            ->width(60)
            ->addClass('text-center'),
    ];
}
```

Buat route untuk edit kategori di web.php:

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

Buat method edit dan update di KategoriController.php:

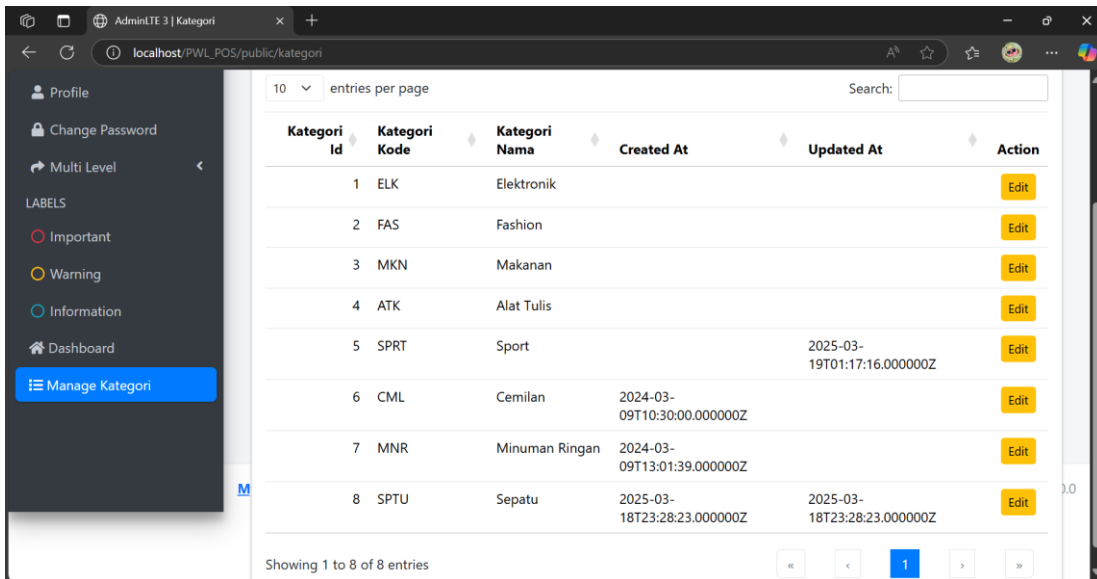
```
public function edit($id)
{
    $kategori = KategoriModel::findOrFail($id);
    return view('kategori.edit', compact('kategori'));
}

public function update(Request $request, $id)
{
    $kategori = KategoriModel::findOrFail($id);
    $kategori->update([
        'kategori_kode' => $request->kodeKategori,
        'kategori_nama' => $request->namaKategori,
    ]);
    return redirect()->route('kategori.index')->with('success', 'Kategori berhasil diperbarui');
}
```

Buat edit.blade.php di resources/views/kategori/:

```
resources > views > kategori > edit.blade.php > div.container > div.card.card-warning
1  @extends('layouts.app')
2
3  @section('subtitle', 'Kategori')
4  @section('content_header_title', 'Kategori')
5  @section('content_header_subtitle', 'Edit')
6
7  @section('content')
8      <div class="container">
9          <div class="card card-warning">
10             <div class="card-header">
11                 <h3 class="card-title">Edit Kategori</h3>
12             </div>
13
14             <form method="post" action="{ route('kategori.update', $kategori->kategori_id) }">
15                 @csrf
16                 @method('PUT')
17                 <div class="card-body">
18                     <div class="form-group">
19                         <label for="kodeKategori">Kode Kategori</label>
20                         <input type="text" class="form-control" id="kodeKategori" name="kodeKategori"
21                             value="{ $kategori->kategori_kode }">
22                     </div>
23                     <div class="form-group">
24                         <label for="namaKategori">Nama Kategori</label>
25                         <input type="text" class="form-control" id="namaKategori" name="namaKategori"
26                             value="{ $kategori->kategori_nama }">
27                     </div>
28                 </div>
29
30                 <div class="card-footer">
31                     <button type="submit" class="btn btn-warning">Update</button>
32                 </div>
33             </form>
34         </div>
35     </div>
36 @endsection
37
```

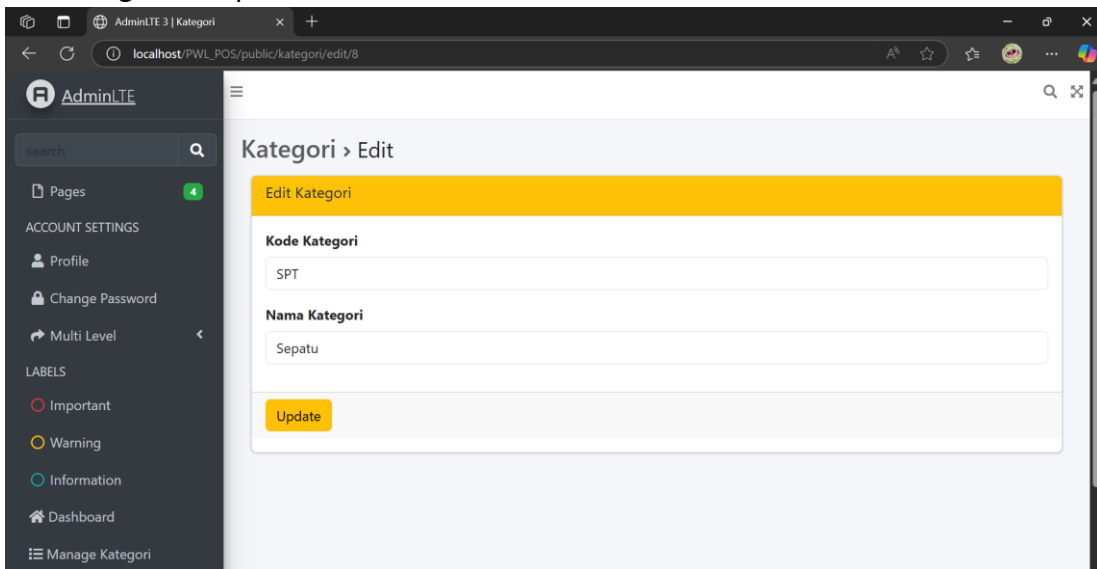
Localhost/PWL_POS/public/kategori



Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At	Action
1	ELK	Elektronik			Edit
2	FAS	Fashion			Edit
3	MKN	Makanan			Edit
4	ATK	Alat Tulis			Edit
5	SPRT	Sport		2025-03-19T01:17:16.000000Z	Edit
6	CML	Cemilan	2024-03-09T10:30:00.000000Z		Edit
7	MNR	Minuman Ringan	2024-03-09T13:01:39.000000Z		Edit
8	SPTU	Sepatu	2025-03-18T23:28:23.000000Z	2025-03-18T23:28:23.000000Z	Edit

Showing 1 to 8 of 8 entries

Edit kategori id sepatu



Kategori > Edit

Edit Kategori

Kode Kategori

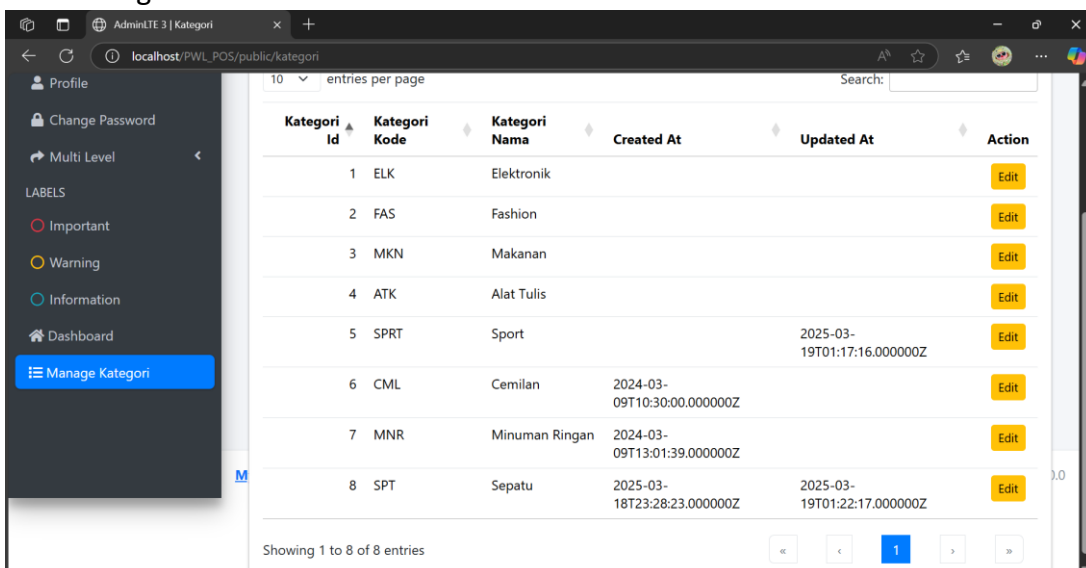
SPT

Nama Kategori

Sepatu

Update

Kode Kategori berhasil di edit.



Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At	Action
1	ELK	Elektronik			Edit
2	FAS	Fashion			Edit
3	MKN	Makanan			Edit
4	ATK	Alat Tulis			Edit
5	SPRT	Sport		2025-03-19T01:17:16.000000Z	Edit
6	CML	Cemilan	2024-03-09T10:30:00.000000Z		Edit
7	MNR	Minuman Ringan	2024-03-09T13:01:39.000000Z		Edit
8	SPT	Sepatu	2025-03-18T23:28:23.000000Z	2025-03-19T01:22:17.000000Z	Edit

Showing 1 to 8 of 8 entries

4. Tambahkan action delete di datatables serta controllernya.

Edit file `KategoriDataTable.php` untuk menambahkan tombol delete di kolom **action**.

```
public function dataTable(QueryBuilder $query): EloquentDataTable
{
    return (new EloquentDataTable($query))
        ->addColumn('action', function ($row) {
            return '<div style="display: flex; gap: 5px;">
                <a href="'.route('kategori.edit', $row->kategori_id).'" class="btn btn-warning btn-sm">Edit</a>
                <button class="btn btn-danger btn-sm delete-btn" data-id="'.$row->kategori_id.'">Delete</button>
            </div>';
        })
        ->setRowId('id');
}
```

Menambahkan Route Delete pada `web.php`

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

Tambahkan `KategoriController.php` untuk menangani request delete.

```
public function destroy($id)
{
    $kategori = KategoriModel::findOrFail($id);
    $kategori->delete();

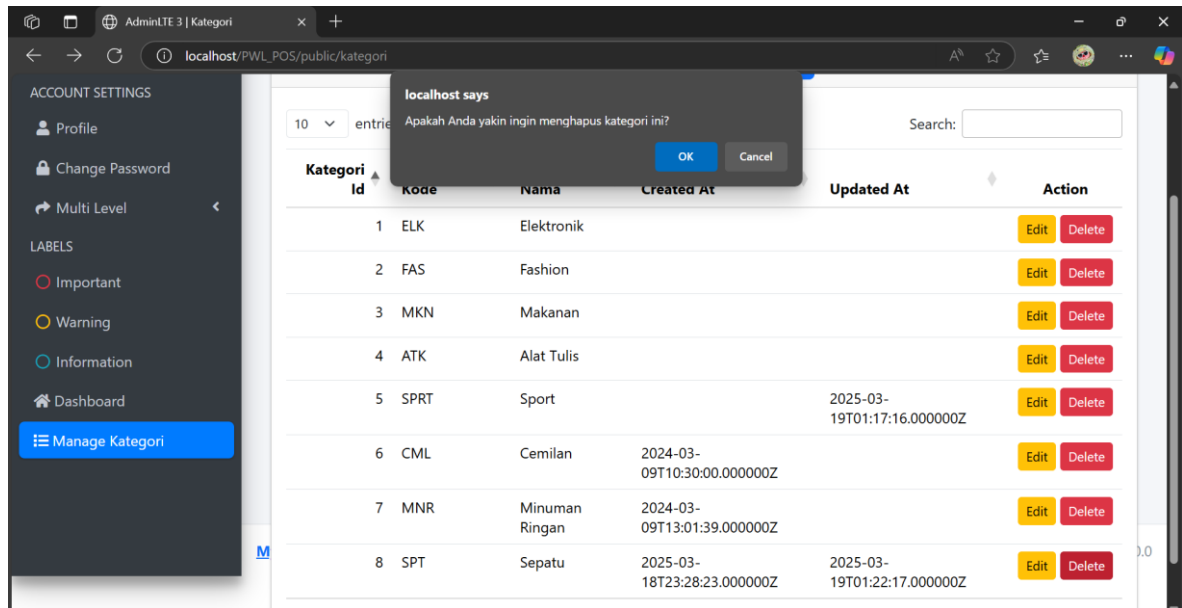
    return response()->json(['success' => 'Kategori berhasil dihapus']);
}
```

Tambahkan Script AJAX untuk Delete

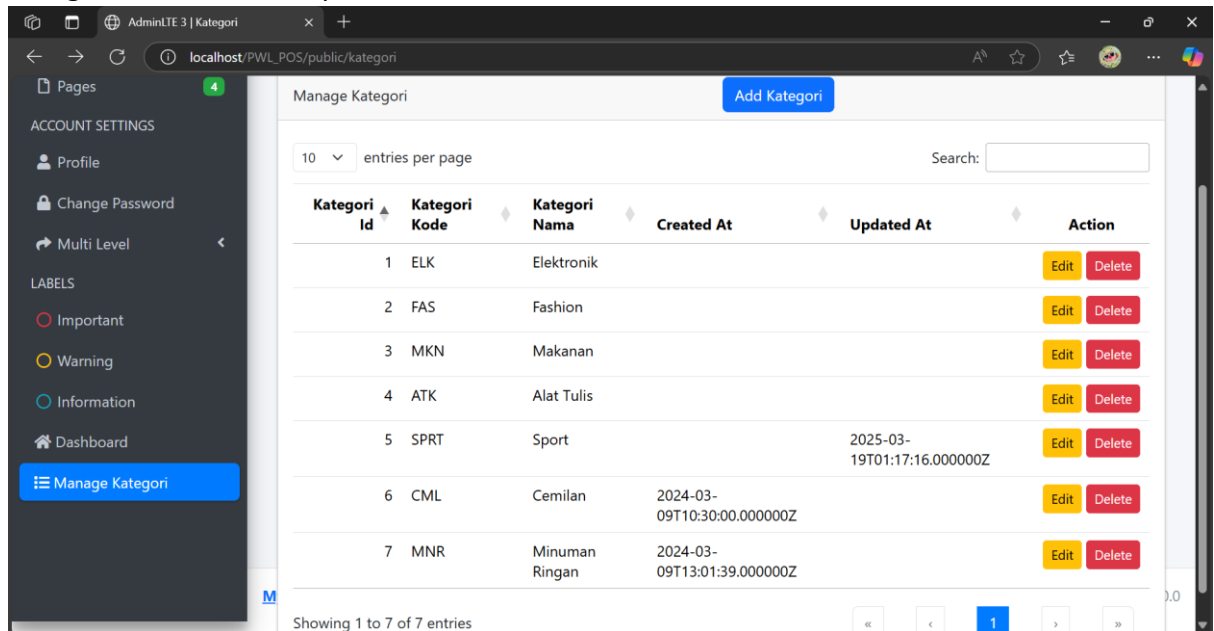
```
@push('js')
{{ $dataTable->scripts() }}
<script>
    $(document).ready(function() {
        $(document).on('click', '.delete-btn', function() {
            let id = $(this).data('id');

            if (confirm('Apakah Anda yakin ingin menghapus kategori ini?')) {
                $.ajax({
                    url: "{{ url('kategori') }}" + id,
                    type: 'POST',
                    data: {
                        _method: 'DELETE',
                        _token: '{{ csrf_token() }}'
                    },
                    success: function(response) {
                        alert(response.success);
                        $('#kategori-table').DataTable().ajax.reload(); // Reload DataTable
                    },
                    error: function(xhr) {
                        alert('Gagal menghapus kategori!');
                    }
                });
            }
        });
    });
</script>
@endpush
```

Menghapus kategori id 8



Kategori id berhasil dihapus.



References

1. <https://github.com/jeroennoten/Laravel-AdminLTE/wiki/Usage>
2. <https://yairabox.com/docs/laravel-datatables/10.0/quick-starter>