

PRAKTIKUM PEMROGRAMAN WEB LANJUT

TUGAS PERTEMUAN 5

Blade View, Web Templating (AdminLTE), Datatables

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PROGRAM STUDI D-IV TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

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Praktikum 1 – Integrasi Laravel dengan AdminLTE3

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

```
composer require jeroennoten/laravel-adminlte
Using version ^3.15 for jeroennoten/laravel-adminlte
PS C:\laragon\www\Web_Lanjut\Minggu 5\PWL_POS>
```

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

```
php artisan adminlte:install
```

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

```
{ } 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": "^3.9",
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": {
```

Jawab :

```
PS C:\laragon\www\Web_Lanjut\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.
```

```
"jeroennoten/laravel-adminlte": "^3.15",
```

Instalasi berhasil.

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

```
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 @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         @hasSection('content_header_subtitle')
19             <small class="text-dark">
20                 <i class="fas fa-xs fa-angle-right text-muted"></i>
21                 @yield('content_header_subtitle')
22             </small>
23         @endif
24     @endif
25 </h1>
26 @endif
27 @stop
28 {{-- Rename section content to content_body --}}
29 @section('content')
30     @yield('content_body')
31 @stop
32 {{-- Create a common footer --}}
33 @section('footer')
34     <div class="float-right">
35         Version: {{ config('app.version', '1.0.0') }}
36     </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 @stop
45 {{-- Add common Javascript/Jquery code --}}
46 @push('js')
47     $(document).ready(function() {
48         // Add your common script logic here...
49     });
50 @endpush
51
52 {{-- Add common CSS customizations --}}
53 @push('css')
54     <style type="text/css">
55         {{-- You can add AdminLTE customizations here --}}
56         /*
57         .card-header {
58             order-bottom: none;
59         }
60         .card-title {
61             font-weight: 600;
62         }
63         */
64     </style>
65 @endpush
```

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

```

Minggu 5 > PWL_POS > resources > views > welcome.blade.php > ...
1  @extends('layouts.app')
2
3  @section('subtitle', 'Welcome')
4  @section('content_header_title', 'Home')
5  @section('content_header_subtitle', 'Welcome')
6
7  @section('content_body')
8      <p>Welcome to this beautiful admin panel</p>
9  @stop
10
11  @push('css')
12
13  @endpush
14
15  @push('js')
16      <script>console.log("Hi, I'm using the Laravel-AdminLTE peckage"); </script>
17  @endpush
18

```

Untuk menggunakan blade template ini cukup dengan extend **AdminLTE** layout dengan cara `@extends('adminlte::page')`.

Template yields di beberapa bagian terklasifikasi dalam 2 yield:

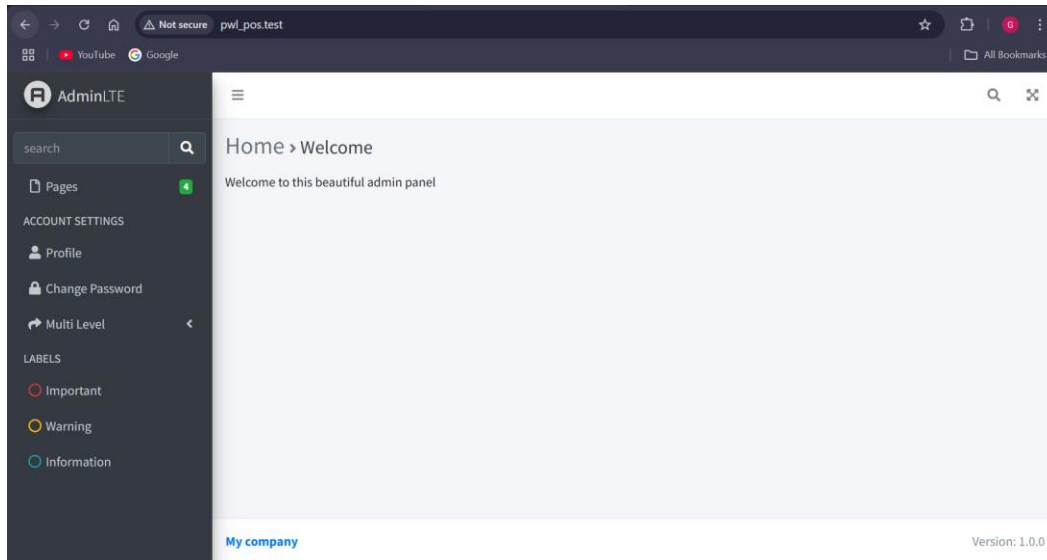
- **main:** Biasa digunakan untuk extending the layout
- **misc:** untuk kasus yang tidak biasa, atau hanya situasi tertentu.

Dokumentasi lebih detail terdapat di link berikut:

<https://github.com/jeroennoten/LaravelAdminLTE/wiki/Usage>

5. Kembali ke browser, menuju ke halaman awal.

Jawab :



Praktikum 2 – Integrasi dengan DataTables

1. Install Laravel DataTables

```
composer require laravel/ui --dev
composer require yajra/laravel-datatables:^10.0
```

```
PS C:\laragon\www\Web_Lanjut\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
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
yajra/laravel-datatables-buttons ..... DONE
yajra/laravel-datatables-editor ..... DONE
yajra/laravel-datatables-fractal ..... DONE
yajra/laravel-datatables-html ..... DONE
yajra/laravel-datatables-oracle ..... DONE

87 packages you are using are looking for funding.
Use the `composer fund` command to find out more!
```

2. Pastikan nodejs sudah terinstall, dengan perintah `npm -v`. Jika belum install nodejs package manager dari <https://nodejs.org/dist/v20.11.1/nodev20.11.1-x64.msi> Npm digunakan untuk manajemen package javascript.

```
PS C:\laragon\www\Web_Lanjut\Minggu 5\PWL_POS> npm -v
8.18.0
```

3. Install Laravel DataTables Vite dan sass

```
npm i laravel-datatables-vite --save-dev
npm install -D sass
```

```
PS C:\laragon\www\Web_Lanjut\Minggu 5\PWL_POS> npm i laravel-datatables-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

npm notice
npm notice New major version of npm available! 8.18.0 -> 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
PS C:\laragon\www\Web_Lanjut\Minggu 5\PWL_POS> npm install -D sass
added 15 packages, and audited 63 packages in 9s

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

```
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

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

6. Jalankan dengan npm run dev

```
PS C:\laragon\www\Web_Lanjut\Minggu 5\PWL_POS> npm run dev

> dev
> vite

VITE v5.4.14 ready in 3096 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
```

7. Selanjutnya kita akan buat datatables untuk kategori

[php artisan datatables:make Kategori](#)

```
PS C:\laragon\www\Web_Lanjut\Minggu 5\PWL_POS> php artisan datatables:make Kategori

INFO DataTable [C:\laragon\www\Web_Lanjut\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 > PHP Intelephense > KategoriDataTable > html

```
1 <?php
2
3 namespace App\DataTables;
4
5 use App\Models\KategoriModel;
6 use Yajra\DataTables\Html\Button;
7 use Yajra\DataTables\Html\Column;
8 use Yajra\DataTables\Services\DataTable;
9 use Yajra\DataTables\Html\Editor\Fields;
10 use Yajra\DataTables\Html\Editor\Editor;
11 use Illuminate\Database\Eloquent\Builder as QueryBuilder;
12 use Yajra\DataTables\EloquentDataTable;
13 use Yajra\DataTables\Html\Builder as HtmlBuilder;
14
15 Codeium: Refactor | Explain
16 class KategoriDataTable extends DataTable
17 {
18     /**
19      * Build the DataTable class.
20      *
21      * @param QueryBuilder $query Results from query() method.
22      */
23     Codeium: Refactor | Explain | X
24     public function dataTable(QueryBuilder $query): EloquentDataTable
25     {
26         return (new EloquentDataTable($query))
27             // ->addColumn('action', 'kategori.action')
28             ->setRowId('id');
29     }
30
31     /**
32      * Get the query source of dataTable.
33      */
34     Codeium: Refactor | Explain | X
35     public function query(KategoriModel $model): QueryBuilder
36     {
37         return $model->newQuery();
38     }
39
40     /**
41      * Optional method if you want to use the html builder.
42      */
43     public function html(): HtmlBuilder
44     {
45         return $this->builder()
46             ->setTableId('kategori-table')
47             ->columns($this->getColumns())
48             ->minifiedAjax()
49             // ->dom('Bfirtip') jika ingin menampilkan button excel, csv, pdf, dll maka aktifkan ini.
50             ->orderBy(1)
51             ->selectStyleSingle()
52             ->buttons([
53                 Button::make('excel'),
54                 Button::make('csv'),
55                 Button::make('pdf'),
56                 Button::make('print'),
57                 Button::make('reset'),
58                 Button::make('reload')
59             ]);
60     }
61
62     /**
63      * Get the dataTable columns definition.
64      */
65     public function getColumns(): array
66     {
67         return [
68             // Column::computed('action')
69             // ->exportable(false)
70             // ->printable(false)
71             // ->width(60)
72             // ->addClass('text-center'),
73             Column::make('kategori_id'),
74             Column::make('kategori_kode')->addClass('text-start'),
75             Column::make('kategori_nama'),
76             Column::make('created_at'),
77             Column::make('updated_at'),
78         ];
79     }
80
81     /**
82      * Get the filename for export.
83      */
84     protected function filename(): string
85     {
86         return 'Kategori_' . date('YmdHis');
87     }
88 }
```

9. Ubah kategori model, sesuaikan seperti berikut

```
Minggu 5 > PWL_POS > app > Models > KategoriModel.php > ...
5 use Illuminate\Database\Eloquent\Factories\HasFactory;
6 use Illuminate\Database\Eloquent\Model;
7 use Illuminate\Database\Eloquent\Relations\HasMany;
8
9 class KategoriModel extends Model
10 {
11     protected $table = 'm_kategori';
12     protected $primaryKey = 'kategori_id';
13
14     protected $fillable = ['kategori_kode', 'kategori_nama'];
15
16     public function barang(): HasMany
17     {
18         return $this->hasMany(BarangModel::class, 'barang_id', 'barang_id');
19     }
20 }
21
```

10. Ubah Kategori Controller sesuaikan dengan skrip berikut:

```
Minggu 5 > PWL_POS > app > Http > Controllers > KategoriController.php > ...
5 use App\DataTables\KategoriDataTable;
6 use Illuminate\Http\Request;
7 use Illuminate\Support\Facades\DB;
8
9 class KategoriController extends Controller
10 {
11     // public function index()
12     // {
13     //     // $data = [
14     //     //     'kategori_kode' => 'SNK',
15     //     //     'kategori_nama' => 'Snack/Makanan Ringan',
16     //     //     'created_at' => now()
17     //     // ];
18     //     // DB::table('m_kategori')->insert($data);
19     //     // return 'Insert data baru berhasil';
20
21     //     // $row = DB::table('m_kategori')->where('kategori_kode', 'SNK')->update(['kategori_nama' => 'Camilan']);
22     //     // return 'Update data berhasil. Jumlah data yang diupdate: ' . $row.' baris';
23
24     //     // $row = DB::table('m_kategori')->where('kategori_kode', 'SNK')->delete();
25     //     // return 'Delete data berhasil. Jumlah data yang dihapus: ' . $row.' baris';
26
27     //     // $data = DB::table('m_kategori')->get();
28     //     // return view('kategori', ['data' => $data]);
29     // }
30
31     public function index(KategoriDataTable $dataTable)
32     {
33         return $dataTable->render('kategori.index');
34     }
35 }
```

11. Buat folder kategori di dalam resources/view, kemudian buat view blade index untuk kategori [resources/views/kategori/index.blade.php](#)

```
Minggu 5 > PWL_POS > 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">Manage Kategori</div>
11             <div class="card-body">
12                 {{ $dataTable->table(['class' => 'table-striped']) }}
13             </div>
14         </div>
15     </div>
16 @endsection
17
18 @push('scripts')
19     {{ $dataTable->scripts() }}
20 @endpush
21
```


12. Pastikan route untuk kategori sudah tersedia

```
24 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
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         @endif
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 {{-- Rename section content to content_body --}}
29 @section('content')
30     @yield('content_body')
31 @stop
32 {{-- Create a common footer --}}
33 @section('footer')
34     <div class="float-right">
35         Version: {{ config('app.version', '1.0.0') }}
36     </div>
37     <strong>
38         <a href="{{ config('app.company_url', '#') }}">
39             {{ config('app.company_name', 'My company') }}
40         </a>
41     </strong>
42 @stop
43 {{-- Add common Javascript/Jquery code --}}
44 @push('js')
45     <script src="https://cdn.datatables.net/2.0.2/js/dataTables.js"></script>
46 @endpush
47
48 @stack('scripts')
49
50 {{-- Add common CSS customizations --}}
51 @push('css')
52     <link rel="stylesheet" href="https://cdn.datatables.net/2.0.2/css/dataTables.dataTables.css" />
53
54     <style type="text/css">
55         {{-- You can add AdminLTE customizations here --}}
56         /*
57         .card-header {
58             order-bottom: none;
59         }
60         .card-title {
61             font-weight: 600;
62         }
63         */
64     </style>
65 @endpush
66
```

14. Menetapkan ViteJs / script type defaults

```

Minggu 5 > PWL_POS > app > Providers > AppServiceProvider.php > ...
1  <?php
2
3  namespace App\Providers;
4
5  use Yajra\DataTables\Html\Builder;
6  use Illuminate\Support\ServiceProvider;
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 }
26

```

15. Isikan beberapa data ke table kategori

Jawab :

		kategori_id	kategori_kode	kategori_nama	created_at	updated_at
<input type="checkbox"/>	Edit		1 K001	Bayi & Anak-anak	NULL	NULL
<input type="checkbox"/>	Edit		2 K002	Kecantikan & Kesehatan	NULL	NULL
<input type="checkbox"/>	Edit		3 K003	Makanan & Minuman	NULL	NULL
<input type="checkbox"/>	Edit		4 K004	Perawatan Rumah	NULL	NULL
<input type="checkbox"/>	Edit		5 K005	Elektronik	NULL	NULL

16. Datatables sudah dapat di load di /kategori

Jawab :

Home > Kategori

Manage Kategori

10 entries per page

Search:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At
5	K005	Elektronik		
4	K004	Perawatan Rumah		
3	K003	Makanan & Minuman		
2	K002	Kecantikan & Kesehatan		
1	K001	Bayi & Anak-anak		

Showing 1 to 5 of 5 entries

Praktikum 3 – Membuat form kemudian menyimpan data dalam database

1. Menyesuaikan routing, tambahkan dua routing berikut

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

2. Tambahkan dua function berikut dalam KategoriController

```
Minggu 5 > PWL_POS > app > Http > Controllers > KategoriController.php > ...
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6  use App\Models\KategoriModel;
7  use Illuminate\Support\Facades\DB;
8  use App\DataTables\KategoriDataTable;
9
10 class KategoriController extends Controller
11 {
12     public function index(KategoriDataTable $dataTable)
13     {
14         return $dataTable->render('kategori.index');
15     }
16
17     public function create()
18     {
19         return view('kategori.create');
20     }
21
22     public function store(Request $request)
23     {
24         KategoriModel::create([
25             'kategori_kode' => $request->kodeKategori,
26             'kategori_nama' => $request->namaKategori,
27         ]);
28         return redirect('/kategori');
29     }
30 }
31
```

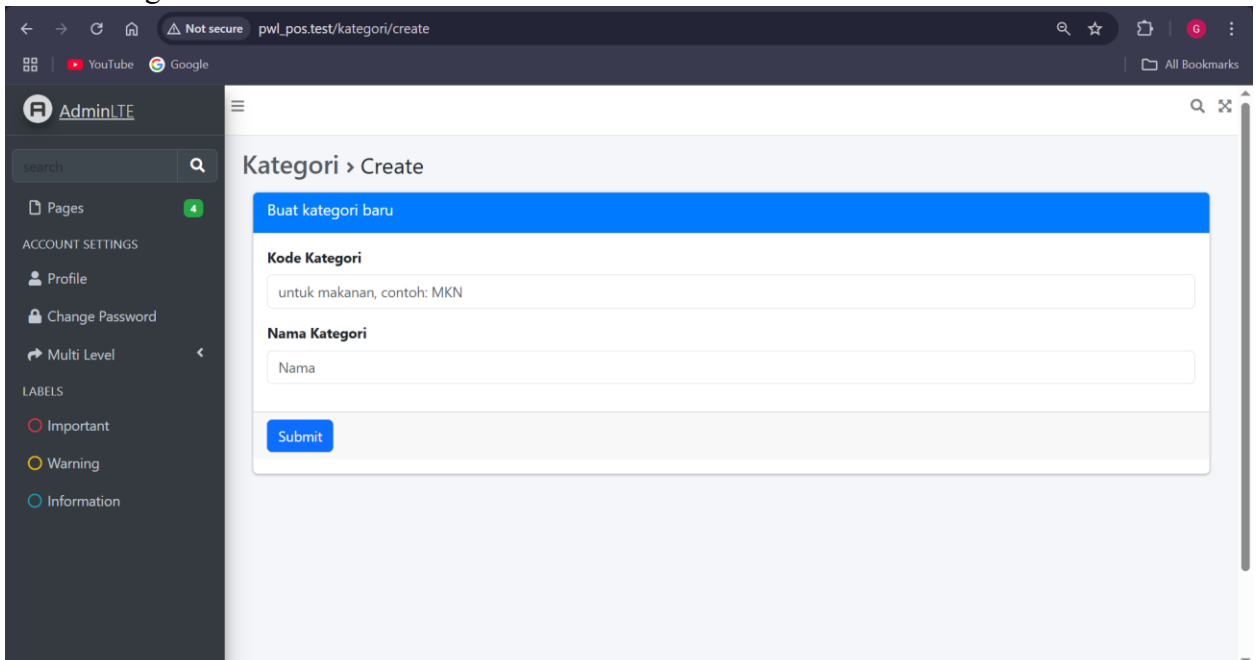
3. Dalam folder `views/kategori`, buatlah file dengan nama `create.blade.php`

```
Minggu 5 > PWL_POS > resources > views > kategori > create.blade.php > div.container > div.card.card-primary > form
1  @extends('layouts.app')
2
3  @section('subtitle', 'Kategori')
4  @section('content_header_title', 'Kategori')
5  @section('content_header_subtitle', 'Create')
6
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="untuk makanan, contoh: MKN">
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="Nama">
23                     </div>
24                 </div>
25
26                 <div class="card-footer">
27                     <button type="submit" class="btn btn-primary">Submit</button>
28                 </div>
29             </form>
30         </div>
31     </div>
32 @endsection
33
```

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

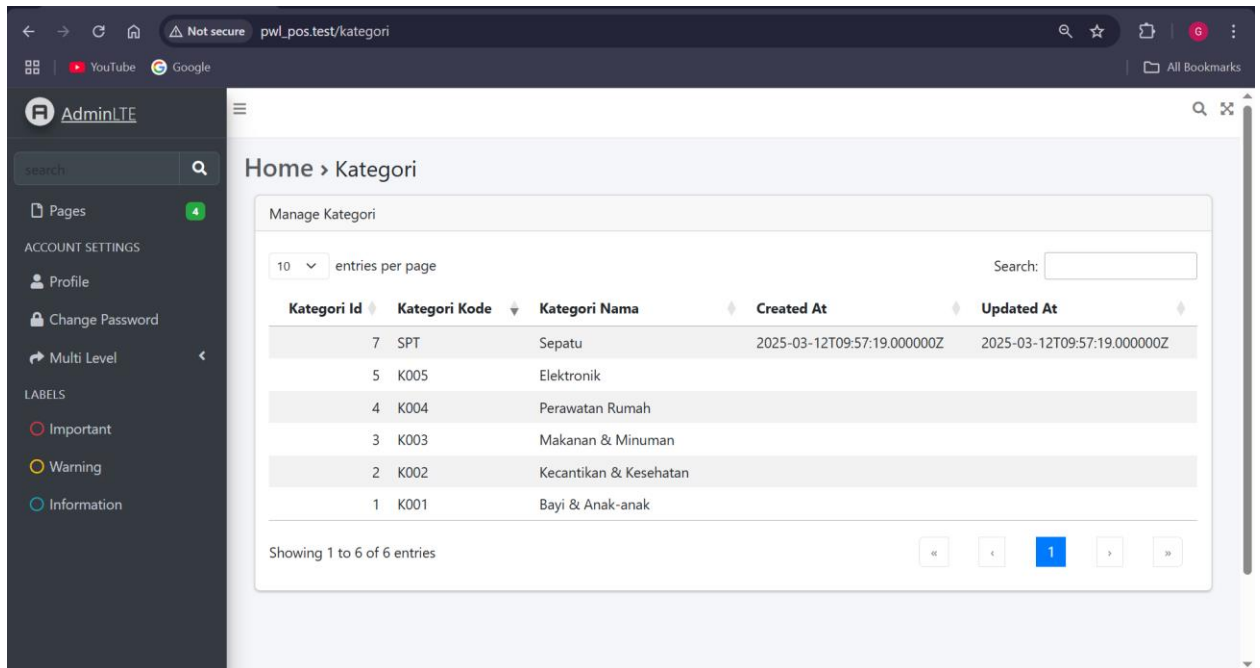
```
Minggu 5 > PWL_POS > app > Http > Middleware > VerifyCsrfToken.php > ...
1  <?php
2
3  namespace App\Http\Middleware;
4
5  use Illuminate\Foundation\Http\Middleware\VerifyCsrfToken as Middleware;
6
7  class VerifyCsrfToken extends Middleware
8  {
9      /**
10       * The URIs that should be excluded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

5. Akses kategori/create



The screenshot shows a web browser at the URL `pw1_pos.test/kategori/create`. The page is titled "Kategori > Create". On the left is a sidebar for "AdminLTE" with a search bar and a list of menu items: "Pages" (with a green badge showing "4"), "ACCOUNT SETTINGS" (including "Profile" and "Change Password"), "Multi Level", and "LABELS" (including "Important", "Warning", and "Information"). The main content area contains a form titled "Buat kategori baru". The form has two input fields: "Kode Kategori" with a placeholder text "untuk makanan, contoh: MKN" and "Nama Kategori" with a placeholder text "Nama". A blue "Submit" button is located at the bottom of the form.

6. Halaman kategori



Tugas Praktikum

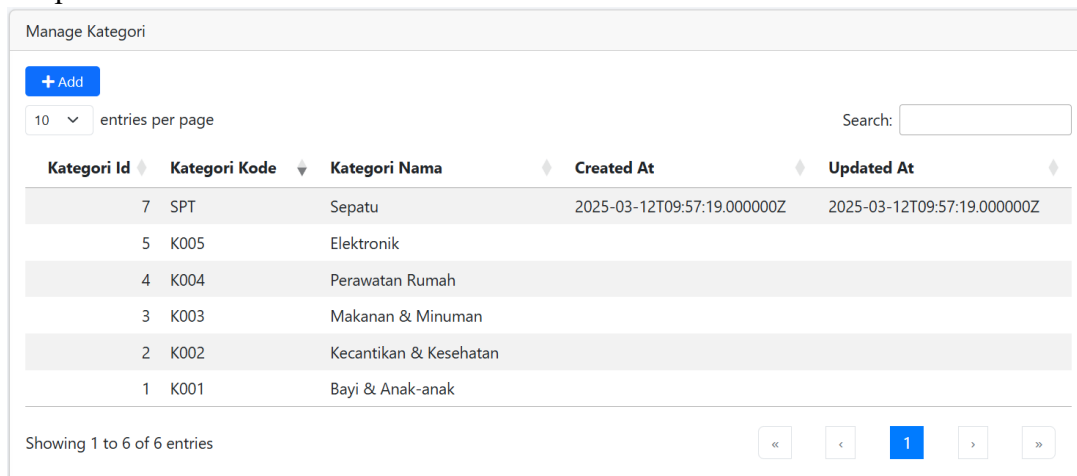
1. Tambahkan button Add di halaman manage kategori, yang mengarah ke create kategori baru

Jawab :

Code Program

```
<div class="card-body">
  <div class="d-flex justify-content-between align-items-center mb-2">
    <a href="/kategori/create" class="btn btn-primary btn-sm px-3">
      <i class="fas fa-plus"></i> Add
    </a>
  </div>
  {{ $dataTable->table(['class' => 'table-striped']) }}
</div>
```

Output :



2. Tambahkan menu untuk halaman manage kategori, di daftar menu navbar

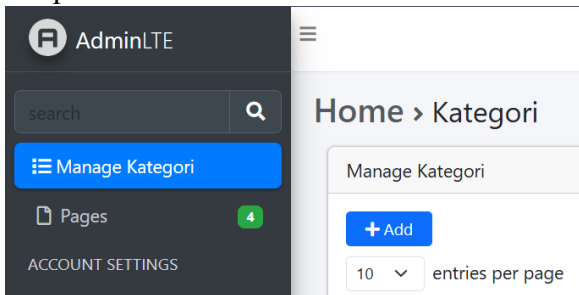
Jawab :

Kode Program :

```
Minggu 5 > PWL_POS > config > adminlte.php
3   return [
301     'menu' => [
323     [
324         'text' => 'Manage Kategori',
325         'url' => 'kategori',
326         'icon' => 'fas fa-list',
327     ],

```

Output :



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

Jawab :

Kode Program :

Datatables

```
Minggu 5 > PWL_POS > app > DataTables > KategoriDataTable.php > PHP Intelephense > KategoriDataTable
15 class KategoriDataTable extends DataTable
22     public function dataTable(QueryBuilder $query): EloquentDataTable
24     {
25         return (new EloquentDataTable($query))
26             ->addColumn('action', function($row){
27                 return '<a href="/kategori/edit/' . $row->kategori_id . '" class="btn btn-warning btn-sm">Edit</a>';
28             })
29             ->rawColumns(['action'])
30             ->setRowId('kategori_id');
31     }
32
33     Column::make('kategori_id'),
34     Column::make('kategori_kode')->addClass('text-start'),
35     Column::make('kategori_nama'),
36     Column::make('created_at'),
37     Column::make('updated_at'),
38     Column::computed('action')
39     ->exportable(false)
40     ->printable(false)
41     ->addClass('text-center'),
42 ];

```

Controller

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

public function update($id, Request $request)
{
    $kategori = KategoriModel::find($id);
    $kategori->kategori_kode = $request->kategori_kode;
    $kategori->kategori_nama = $request->kategori_nama;

    $kategori->save();

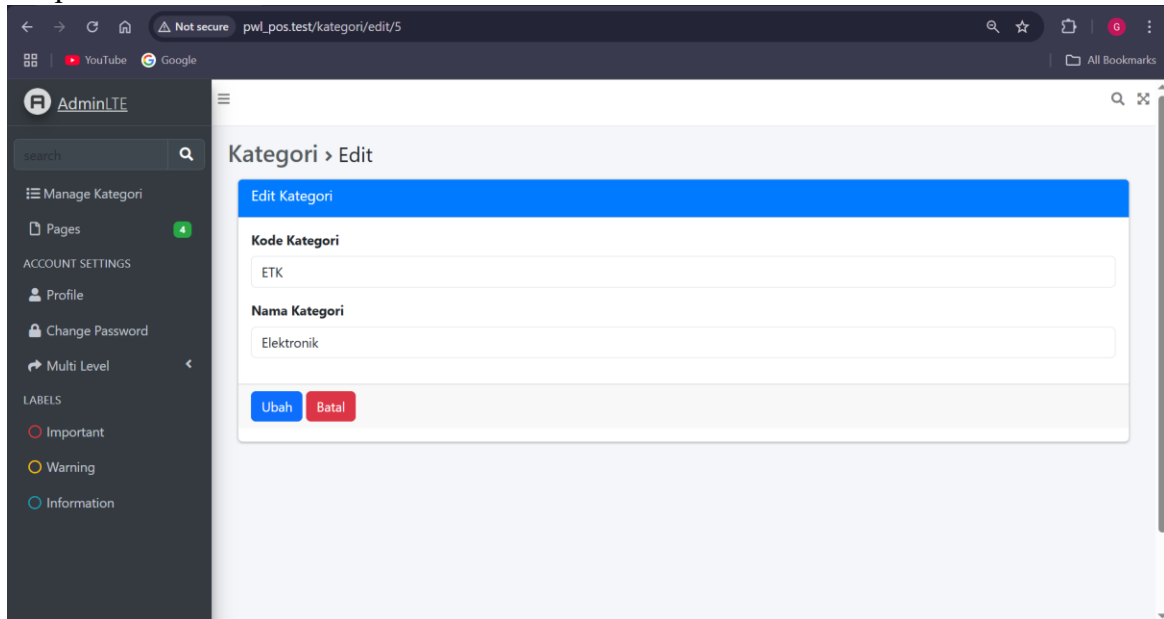
    return redirect('/kategori');
}

```

View

```
Minggu 5 > PWL_POS > resources > views > kategori > edit.blade.php > ...
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-primary">
10             <div class="card-header">
11                 <h3 class="card-title">Edit Kategori</h3>
12             </div>
13
14             <form method="post" action="/kategori/update/{{ $data->kategori_id }}">
15                 @csrf
16                 @method('PUT')
17
18                 <div class="card-body">
19                     <div class="form-group">
20                         <label for="kodeKategori">Kode Kategori</label>
21                         <input type="text" class="form-control" id="kodeKategori" name="kategori_kode" value="{{ $data->kategori_kode }}" placeholder="Kode" required>
22                     </div>
23
24                     <div class="form-group">
25                         <label for="namaKategori">Nama Kategori</label>
26                         <input type="text" class="form-control" id="namaKategori" name="kategori_nama" value="{{ $data->kategori_nama }}" placeholder="Nama" required>
27                     </div>
28                 </div>
29
30                 <div class="card-footer">
31                     <button type="submit" class="btn btn-primary">Ubah</button>
32                     <a href="/kategori" class="btn btn-danger">Batal</a>
33                 </div>
34             </form>
35         </div>
36     </div>
37 @endsection
38
```

Output :



4. Tambahkan action delete di datatables serta controllernya

Jawab :

Kode Program :

Datatables

```
return (new EloquentDataTable($query))
->addColumn('action', function($row){
    return '<a href="/kategori/edit/" . $row->kategori_id . ">Edit</a>' .
        '<a href="/kategori/hapus/" . $row->kategori_id . ">Hapus</a>' .
        '<a href="/kategori/hapus/" . $row->kategori_id . ">Hapus</a>';
})
->rawColumns(['action'])
->setRowId('kategori_id');
```

Controller

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

    return redirect('/kategori');
}
```

Output :

The screenshot shows a web browser at the URL `pwl_pos.test/kategori`. A confirmation dialog box is displayed in the center, titled "pwl_pos.test says" with the message "Apakah anda ingin menghapus data Elektronik?". The dialog has "OK" and "Cancel" buttons. In the background, the "Manage Kategori" page is visible, showing a table of categories. The table has columns for "Kategori Id", "Kategori Kode", "Kategori Nama", "Created At", "Updated At", and "Action". The "Elektronik" category (Id: 5, Kode: K005) is highlighted. The "Action" column for this row shows "Edit" and "Hapus" buttons. The page also includes a sidebar with navigation links like "Manage Kategori", "Pages", "ACCOUNT SETTINGS", and "LABELS".

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At	Action
1	K001	Bayi & Anak-anak			Edit Hapus
2	K002	Kecantikan & Kesehatan			Edit Hapus
3	K003	Makanan & Minuman			Edit Hapus
4	K004	Perawatan Rumah		2025-03-12T14:50:03.000000Z	Edit Hapus
5	K005	Elektronik		2025-03-12T15:11:31.000000Z	Edit Hapus
8	SPT	Sepatu	2025-03-12T15:11:58.000000Z	2025-03-12T15:11:58.000000Z	Edit Hapus