PEMROGRAMAN WEB LANJUT

"Blade View, Web Templating (AdminLTE), Datatables"



Kelas: TI-2H

Disusun Oleh:

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PROGRAM STUDI D-IV TEKNIK INFORMATIKA JURUSAN TEKNOLOGI INFORMASI POLITEKNIK NEGERI MALANG

TODITEM (III NEODM WINDING

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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.

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

PS C:\laragon\www\PWL_POS> composer require jeroennoten/laravel-adminlte

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

```
fanesa@Fanesa2004 MINGW64 /c/laragon/www/PWL_POS (main)
$ php artisan adminite:install
Basic assets installed successfully.
Configuration file installed successfully.
Translation files installed successfully.
The installation is complete.
```

Perintah di atas akan meng-install:

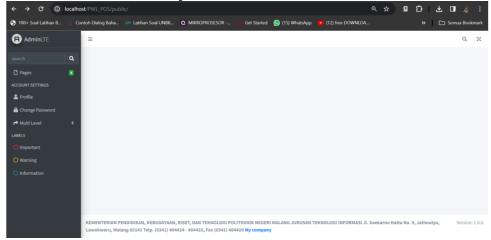
- **AdminLTE distribution files** dan dependensinya (Bootstrap, jQuery, etc.) dalam folder public/vendor.
- Konfigurasi package di file config/adminlte.php
- Paket translasi di folder lang/vendor/adminlte/
- Dalam composer.json akan otomatis ditambahkan require untuk laravel-adminlte

```
{} composer.json > ...
          "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-adminite": "^3.11",
              "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"
          "psr-4": {
                   "App\\": "app/",
                   "Database\\Factories\\": "database/factories/",
```

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

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

5. Kembali ke browser, menuju ke halaman awal.



Praktikum 2 – Integrasi dengan DataTables

Datatables biasa digunakan untuk menampilkan list data dengan banyak fitur seperti searching, pagination, sorting dan lain-lainnya. Dalam laravel biasa digunankan yajra datatables karena didesain agar sesuai dengan laravel.

1. Install Laravel DataTables

```
fanesa@Fanesa2004 MINGW64 /c/laragon/www/PWL_POS (main)
$ 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 (v4.5.0)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 1 install, 0 updates, 0 removals
   - Downloading laravel/ui (v4.5.0)
   - Installing laravel/ui (v4.5.0): Extracting archive
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi
INFO Discovering packages.
```

```
fanesa@Fanesa2004 MINGW64 /c/laragon/www/PWL_POS (main)
$ composer require yajra/laravel-datatables:^10.0
./composer.json has been updated
Running composer update yajra/laravel-datatables
Loading composer repositories with package information
    - Locking league/fractal (0.20.1)
   - 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)
Package operations: 7 installs, 0 updates, 0 removals
- Downloading yajra/laravel-datatables-oracle (v10.11.4)
   - Downloading yajra/laravel-datatables-html (v10.12.0)
- Downloading league/fractal (0.20.1)
- Downloading yajra/laravel-datatables-fractal (v10.0.0)
    - Downloading yajra/laravel-datatables-editor (v1.25.4)
   - Downloading yajra/laravel-datatables-buttons (v10.0.9)
      Downloading yajra/laravel-datatables (v10.0.0)
Installing yajra/laravel-datatables-oracle (v10.11.4): Extracting archive
Installing yajra/laravel-datatables-html (v10.12.0): Extracting archive
      Installing league/fractal (0.20.1): Extracting archive
      Installing yajra/laravel-datatables-fractal (v10.0.0): Extracting archive Installing yajra/laravel-datatables-editor (v1.25.4): Extracting archive Installing yajra/laravel-datatables-buttons (v10.0.9): Extracting archive
```

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

```
fanesa@Fanesa2004 MINGW64 /c/laragon/www/PWL_POS (main)
$ npm -v
10.2.4
```

3. Install Laravel DataTables Vite dan sass

```
fanesa@Fanesa2004 MINGW64 /c/laragon/www/PWL_POS (main)
$ npm install -D sass
added 15 packages, and audited 49 packages in 4s
10 packages are looking for funding
  run `npm fund` for details
found @ vulnerabilities
```

4. Edit file resources/js/app.js

```
resources > js > JS app.js

1 import './bootstrap';

2 import "../sass/app.scss";

3 import 'laravel-datatables-vite';
```

5. Buatlah file resources/saas/app.scss

```
@import url('https://fonts.bunny.net/css?family=Nunito');
@import 'bootstrap/scss/bootstrap';
@import 'bootstrap-icons/font/bootstrap-icons.css';
@import 'datatables.net-bs5/css/dataTables.bootstrap5.min.css";
@import 'datatables.net-buttons-bs5/css/buttons.bootstrap5.min.css";
@import 'datatables.net-select-bs5/css/select.bootstrap5.css';
```

6. Jalankan dengan npm run dev

```
$ npm run dev

> dev
> vite

VITE v5.1.6 ready in 385 ms

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

LARAVEL v10.47.0 plugin v1.0.2

→ APP URL: http://localhost
```

7. Selanjutnya kita akan buat datatables untuk kategori php artisan datatables:make Kategori

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

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

8. Kita edit KategoriDatable untuk mengatur kolom apasaja yang ingin ditampilkan Sesuaikan dengan kodeprogram berikut

9. Ubah kategori model, sesuaikan seperti berikut

10. Ubah Kategori Controller sesuaikan dengan skrip berikut:

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

12. Pastikan route untung kategori sudah tersedia

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

13. Sesuaikan app layout seperti kode berikut

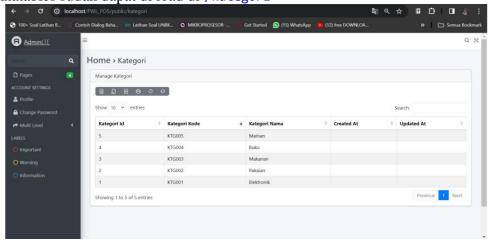
```
resources > views > layout > ♥ app.blade.php > ...
      @extends('adminlte::page')
          {{ config('adminlte.title') }}
          @hasSection('subtitle') | @yield('subtitle') @endif
      @vite('resources/js/app.js')
      @section('content_header')
          @hasSection('content_header_title')
              <h1 class="text-muted">
                  @yield('content_header_title')
                  @hasSection('content_header_subtitle')
                          @yield('content_header_subtitle')
      @section('content')
          @yield('content_body')
          <div class="float-right">
             Version: {{ config('app.version', '1.0.0') }}
              <a href="{{ config('app.company_url', '#') }}">
                  {{ config('app.company_name', 'My company') }}
```

14. Menset ViteJs / script type defaults

15. Isikan beberapa data ke table kategori



16. Datatables sudah dapat di load di /kategori



Praktikum 3 – Membuat form kemudian menyimpan data dalam database

1. Menyesuaikan routing, tambahkan dua routing berikut

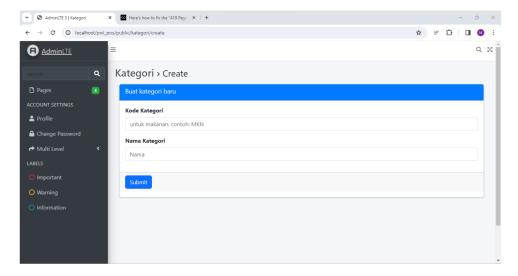
```
Route::get('/kategori/create', [KategoriController::class, 'create']);
Route::post('/kategori', [KategoriController::class, 'store']);
```

2. Tambahkan dua function berikut dalam KategoriController

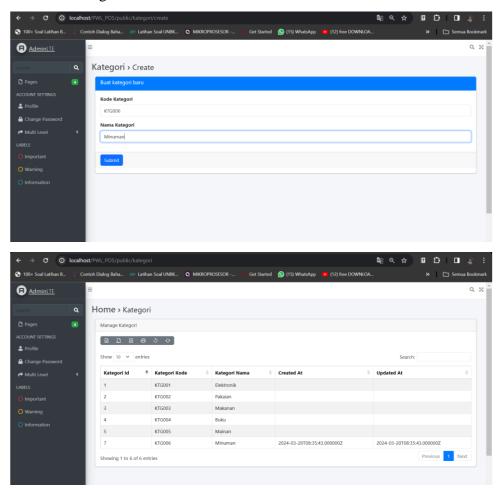
3. Dalam folder views/kategori, buatlah file dengan nama create.blade.php

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

5. Akses kategori/create



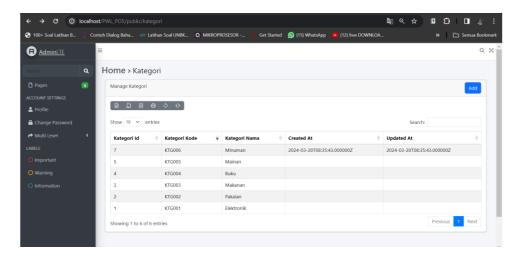
6. Halaman kategori



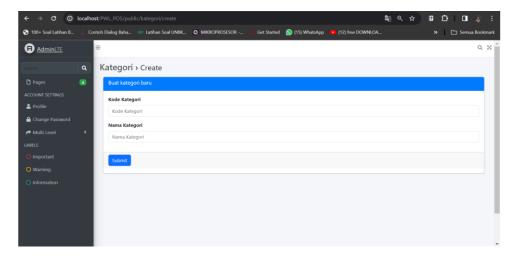
Tugas Praktikum

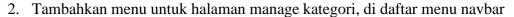
1. Tambahkan button Add di halam manage kategori, yang mengarah ke create kategori baru

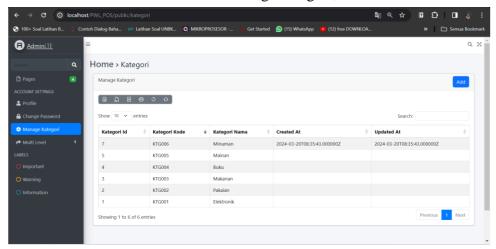
Jawab:



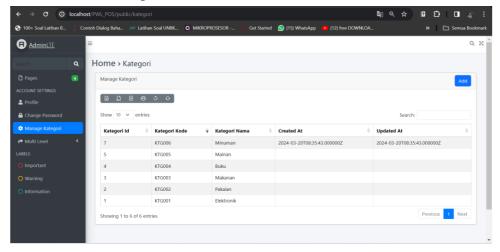
Jika di klik button Add akan mengarah ke halaman creat kategori



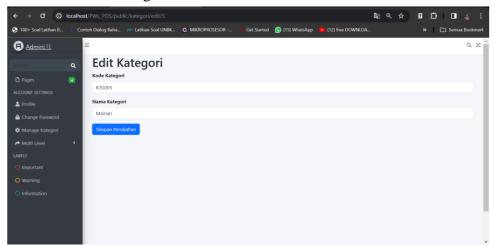




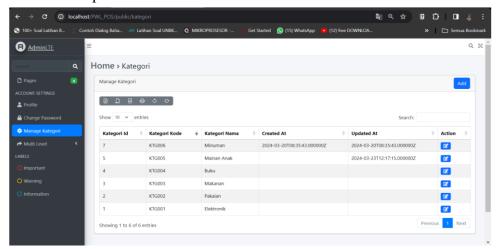
- 3. Tambahkan action edit di datatables dan buat halaman edit serta controllernya
 - Sebelum data diupdate dan ditambahkan action edit



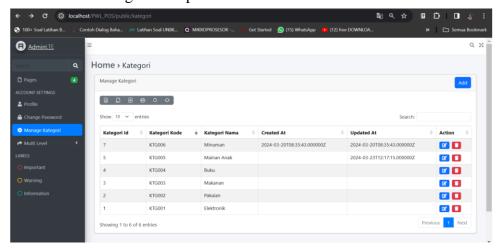
• Halaman edit kategori



Setelah diperbarui



- 4. Tambahkan action delete di datatables serta controllernya
 - Sebelum Kategori Dihapus



• Jika ingin menghapus Kategori Minuman

