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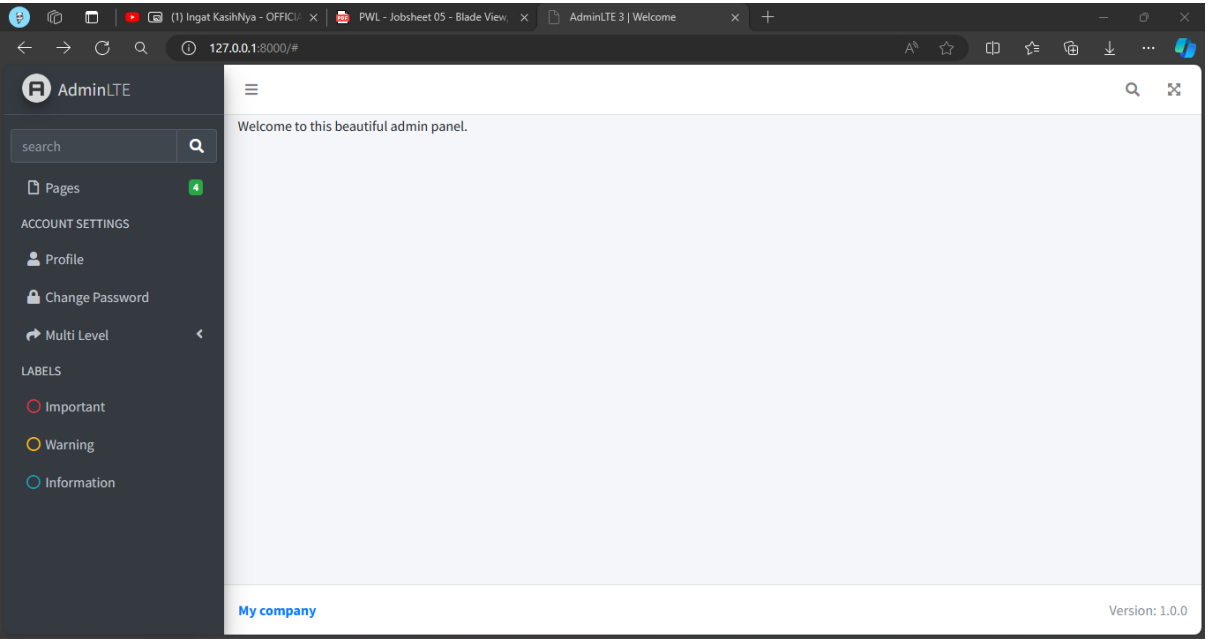
## Laporan Praktikum

### Jobsheet 5

#### Praktikum 1 – Integrasi Laravel Dengan AdminLTE3

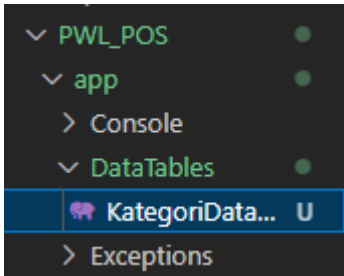
1	<p>Mendefinisikan requirement project pada PWL_POS</p> <pre>C:\laragon\www\Pemrograman_Web_Lanjut\Pertemuan 3\PWL_POS&gt;composer require jeroennoten/laravel-adminlte</pre> <p>84 packages you are using are looking for funding. Use the `composer fund` command to find out more! &gt; @php artisan vendor:publish --tag=laravel-assets --ansi --force</p> <p><b>INFO</b> No publishable resources for tag [laravel-assets].</p> <p>No security vulnerability advisories found Using version ^3.11 for jeroennoten/laravel-adminlte</p>
2	<p>Instalasi requirement project</p> <pre>C:\laragon\www\Pemrograman_Web_Lanjut\Pertemuan 3\PWL_POS&gt;php artisan adminlte:install</pre> <p>Basic assets installed successfully. Configuration file installed successfully. Translation files installed successfully. The installation is complete.</p>
3	<p>Hasil</p> <ul style="list-style-type: none"><li>Konfigurasi package</li></ul> <div></div> <ul style="list-style-type: none"><li>Terinstall adminlte distribution files dan dependensinya</li></ul> <div></div> <ul style="list-style-type: none"><li>Paket translasi</li></ul> <div></div>

	<ul style="list-style-type: none"> <li>Composer.json</li> </ul> <pre>{} composer.json M {   "require": {     "php": "^8.1",     "guzzlehttp/guzzle": "^7.2",     "jeroennoten/laravel-adminlte": "^3.11",     "laravel/framework": "^10.10",     "laravel/sanctum": "^3.3",     "laravel/tinker": "^2.8"   } }</pre>
4	<p>Membuat file app.blade.php di resources/views/layout/app.blade.php</p> 
5	<p>App.blade.php</p> <pre>@extends('adminlte::page')  {{-- Extend and customize the browser --}}  @section('title')     {{ config('adminlte.title') }}     @hasSection('subtitle')   @yield('subtitle') @stop  {{-- Extend and customize the page --}}  @section('content_header')     @hasSection('content_header_title')         &lt;h1 class="text-muted"&gt;             @yield('content_header_title')     @endif @stop</pre>
6	<p>Welcome.blade.php</p> <pre>@extends('layouts.app')  {{-- Customize layout sections --}}  @section('subtitle', 'Welcome')  {{-- Content body: main page content --}}  @section('content_body')     &lt;p&gt;Welcome to this beautiful admin @stop  {{-- Push extra CSS --}}  @push('css')     {{-- Add here extra stylesheets --}     {{-- &lt;link rel="stylesheet" href="/css --} @endpush</pre>

7	<div> <div>Hasil</div>  </div>
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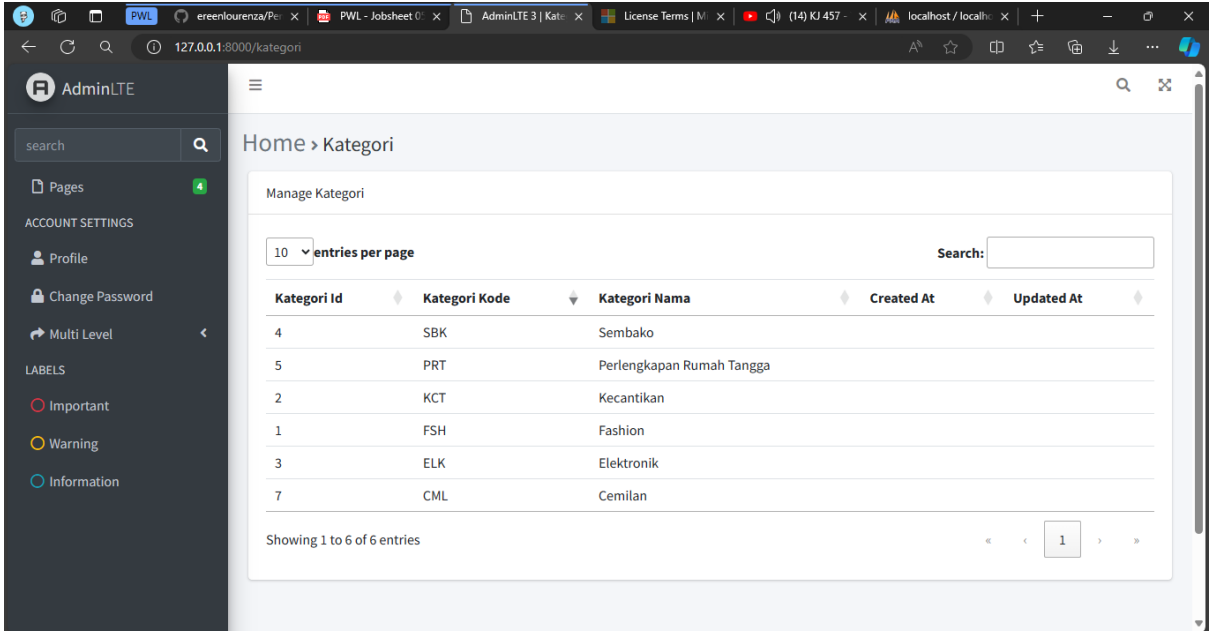
## Praktikum 2 – Integrasi Dengan DataTables

1	<div> <div>Install Laravel DataTables</div> <pre>C:\laragon\www\Pemrograman_Web_Lanjut\Pertemuan 3\PWL_POS&gt;composer require laravel/ui --dev</pre> </div>
2	<div> <div>Install Laravel DataTables</div> <pre>C:\laragon\www\Pemrograman_Web_Lanjut\Pertemuan 3\PWL_POS&gt;composer require yajra/laravel-datatables:^10.0</pre> </div>
3	<div> <div>Versi nodejs</div> <pre>C:\Users\Ereen&gt;node -v v20.11.1</pre> </div>
4	<div> <pre>"require": {   "php": "^8.1",   "guzzlehttp/guzzle": "^7.2",   "jeroennoten/laravel-adminlte": "^3.1",   "laravel/framework": "^10.10",   "laravel/sanctum": "^3.3",   "laravel/tinker": "^2.8",   "yajra/laravel-datatables": "10.0" },</pre> </div>
5	<div> <div>Install Laravel DataTables Vite dan sass</div> <pre>C:\laragon\www\Pemrograman_Web_Lanjut\Pertemuan 3\PWL_POS&gt;npm i laravel-datatables-vite --save-dev  C:\laragon\www\Pemrograman_Web_Lanjut\Pertemuan 3\PWL_POS&gt;npm install -D sass</pre> </div>

	<pre> "devDependencies": {   "axios": "^1.6.4",   "laravel-datatables-vite": "^0.5",   "laravel-vite-plugin": "^1.0.0",   "sass": "^1.72.0",   "vite": "^5.0.0" } </pre>
6	<p>Edit file resources/js/app.js</p> <pre> Pertemuan 3 &gt; PWL_POS &gt; resources &gt; js &gt; JS app.js 1  import './bootstrap'; 2  import '../sass/app.css'; 3  import 'laravel-datatables-vite'; </pre>
7	<p>Membuat file resources/sass/app.scss</p> <pre> Pertemuan 3 &gt; PWL_POS &gt; resources &gt; sass &gt; 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"; </pre>
8	<p>Menjalankan dengan npm rundev</p> <pre> C:\laragon\www\Pemrograman_Web_Lanjut\Pertemuan 3\PWL_POS&gt;npm run dev  &gt; dev &gt; vite  VITE v5.2.6 ready in 1169 ms   → Local:   http://localhost:5173/   → Network: use --host to expose   → press h + enter to show help  LARAVEL v10.46.0 plugin v1.0.2   → APP_URL: http://localhost </pre>
9	<p>Membuat.datatables untuk kategori</p> <pre> C:\laragon\www\Pemrograman_Web_Lanjut\Pertemuan 3\PWL_POS&gt;php artisan datatables:make Kategori INFO DataTable [C:\laragon\www\Pemrograman_Web_Lanjut\Pertemuan 3\PWL_POS\app\DataTables\KategoriDataTable.php] created successfully. </pre>
	

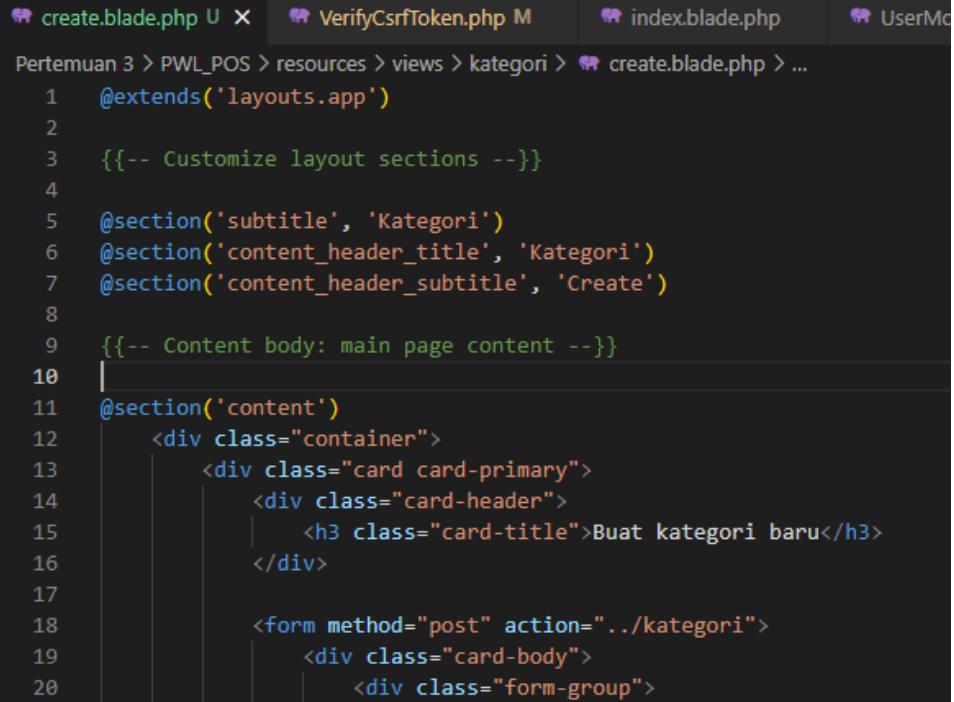
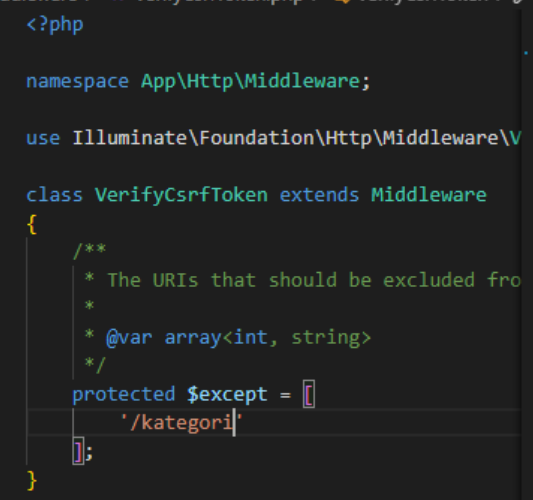
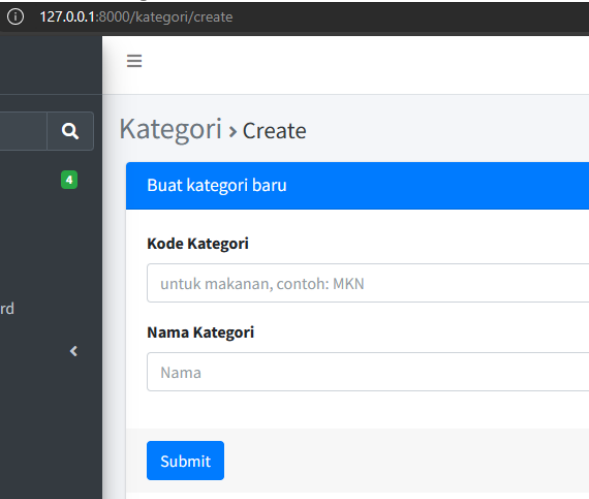
	<p>Mengubah Kategori menjadi KategoriModel</p> <pre>&lt;?php  namespace App\DataTables;  use App\Models\KategoriModel; use Illuminate\Database\Eloquent\Builder as QueryBuilder; use Yajra\DataTables\EloquentDataTable; use Yajra\DataTables\Html\Builder as HtmlBuilder;</pre>
10	<p>Membuat KategoriModel</p> <p>INFO Model [C:\laragon\www\Pemrograman_Web_Lanjut\Pertemuan 3\PWL_POS\app\Models\KategoriModel.php] created successfully.</p> <p>Models</p> <p>KategoriMod... U</p>
11	<p>Mengubah Column id, kode dan nama kategori</p> <pre>public function getColumns(): array {     return [         Column::computed('action')             -&gt;exportable(false)             -&gt;printable(false)             -&gt;width(60)             -&gt;addClass('text-center'),         Column::make('kategori_id'),         Column::make('kategori_kode'),         Column::make('kategori_nama'),         Column::make('created_at'),         Column::make('updated_at'),     ]; }</pre>
12	<p>KategoriModel berelasi dengan BarangModel</p> <pre>&lt;?php  namespace App\Models;  use Illuminate\Database\Eloquent\Model; use Illuminate\Database\Eloquent\Relations\HasMany;  class KategoriModel extends Model {     protected \$table = 'm_kategori';     protected \$primaryKey = 'kategori_id';      protected \$fillable = ['kategori_kode', 'kategori_nama'];      public function barang(): HasMany{         return \$this-&gt;hasMany(BarangModel::class, 'barang_id', 'barang_id');     } }</pre>
13	<p>Membuat Barang Model</p> <p>Pemrograman_Web_Lanjut\Pertemuan 3\PWL_POS\app\Models\BarangModel.php] created successfully.</p>

14	<p>Kategori Controller menerima dataTable</p> <pre> &lt;?php  namespace App\Http\Controllers;  use App\DataTables\KategoriDataTable; use Illuminate\Http\Request; use Illuminate\Support\Facades\DB;  class KategoriController extends Controller {     public function index(KategoriDataTable \$dataTable){         return \$dataTable-&gt;render('kategori.index');     } } </pre>
15	<p>Membuat view index.blade.php</p> <pre> Pertemuan 3 &gt; PWL_POS &gt; resources &gt; views &gt; kategori &gt; index 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     &lt;div class="container"&gt; 11         &lt;div class="card"&gt; 12             &lt;div class="card-header"&gt;Manage 13             &lt;div class="card-body"&gt; 14                 {{ \$dataTable-&gt;table() }} 15             &lt;/div&gt; 16         &lt;/div&gt; 17     &lt;/div&gt; 18 @endsection 19 20 @push('scripts') 21     {{ \$dataTable-&gt;scripts() }} 22 @endpush </pre>
16	<p>Menambahkan route kategori</p> <pre> Route::get('/kategori', [KategoriController::class, 'index']); </pre>
17	<p>Menambahkan @vite dan script src dataTables di @push js dan css pada file app.blade.php</p> <pre> @vite('resource/js/app.js') {{----}}  @push('js')     &lt;script src="https://cdn.datatables.net/2.0.2/js/dataTables.js"&gt; /**/      // \$(document).ready(function(){     //     // Add your common script logic here     // });  &lt;/script&gt; @endpush  @stack('scripts') {{----}}  @push('css')     &lt;link rel="stylesheet" href="https://cdn.datatables.net/2.0.2/css/dataTables.dataTables.css"/&gt;     &lt;style type="text/css"&gt; /**/     /* </pre>

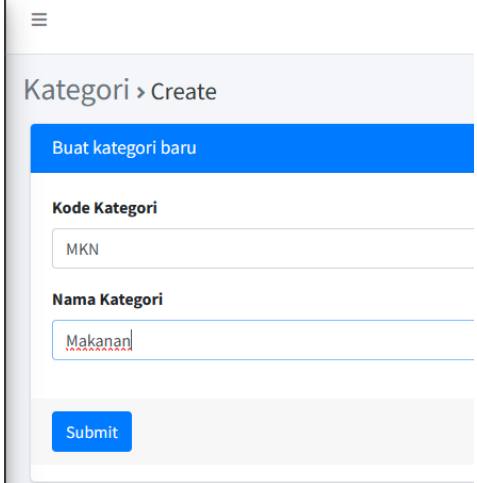
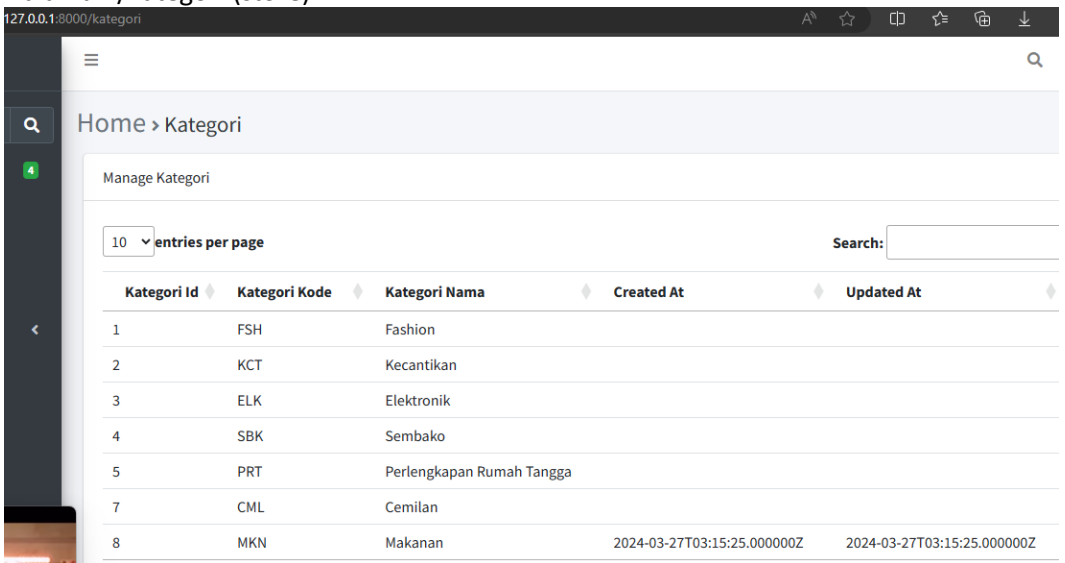
18	Menambahkan builder vite pada function boot() di AppServiceProvider <div> <pre> public function boot(): void {     Builder::useVite(); } </pre> </div>
19	Hasil <div>  </div>

### Praktikum 3 – Membuat Form Kemudian Menyimpan Data Dalam Database

1	Menambahkan routing <ul style="list-style-type: none"> <li>- /kategori/create dan /kategori</li> </ul> <div> <pre> Route::get('/kategori/create', [KategoriController::class, 'create']); Route::post('/kategori', [KategoriController::class, 'store']); </pre> </div>
2.	Menambahkan function di KategoriController <ul style="list-style-type: none"> <li>- create dan store</li> </ul> <div> <pre> public function create(){     return view('kategori.create'); }  public function store(Request \$request){     KategoriModel::create([         'kategori_kode' =&gt; \$request-&gt;kodeKategori,         'kategori_nama' =&gt; \$request-&gt;namaKategori,     ]);     return redirect('/kategori'); } </pre> </div>

3	<p>Membuat file create.blade.php pada views/kategori</p>  <pre> 1  @extends('layouts.app') 2 3  {{-- Customize layout sections --}} 4 5  @section('subtitle', 'Kategori') 6  @section('content_header_title', 'Kategori') 7  @section('content_header_subtitle', 'Create') 8 9  {{-- Content body: main page content --}} 10 11 @section('content') 12     &lt;div class="container"&gt; 13         &lt;div class="card card-primary"&gt; 14             &lt;div class="card-header"&gt; 15                 &lt;h3 class="card-title"&gt;Buat kategori baru&lt;/h3&gt; 16             &lt;/div&gt; 17 18             &lt;form method="post" action=" ../kategori"&gt; 19                 &lt;div class="card-body"&gt; 20                     &lt;div class="form-group"&gt; </pre>
4	<p>Melakukan pengecualian proteksi csrfToken karena belum melakukan otentikasi</p>  <pre> &lt;?php  namespace App\Http\Middleware;  use Illuminate\Foundation\Http\Middleware\VerifyCsrfToken;  class VerifyCsrfToken extends Middleware {     /**      * The URIs that should be excluded from CSRF verification.      *      * @var array&lt;int, string&gt;      */     protected \$except = [         '/kategori',     ]; } </pre>
5	<p>Hasil</p> <ul style="list-style-type: none"> <li>- Akses /kategori/create</li> </ul> 

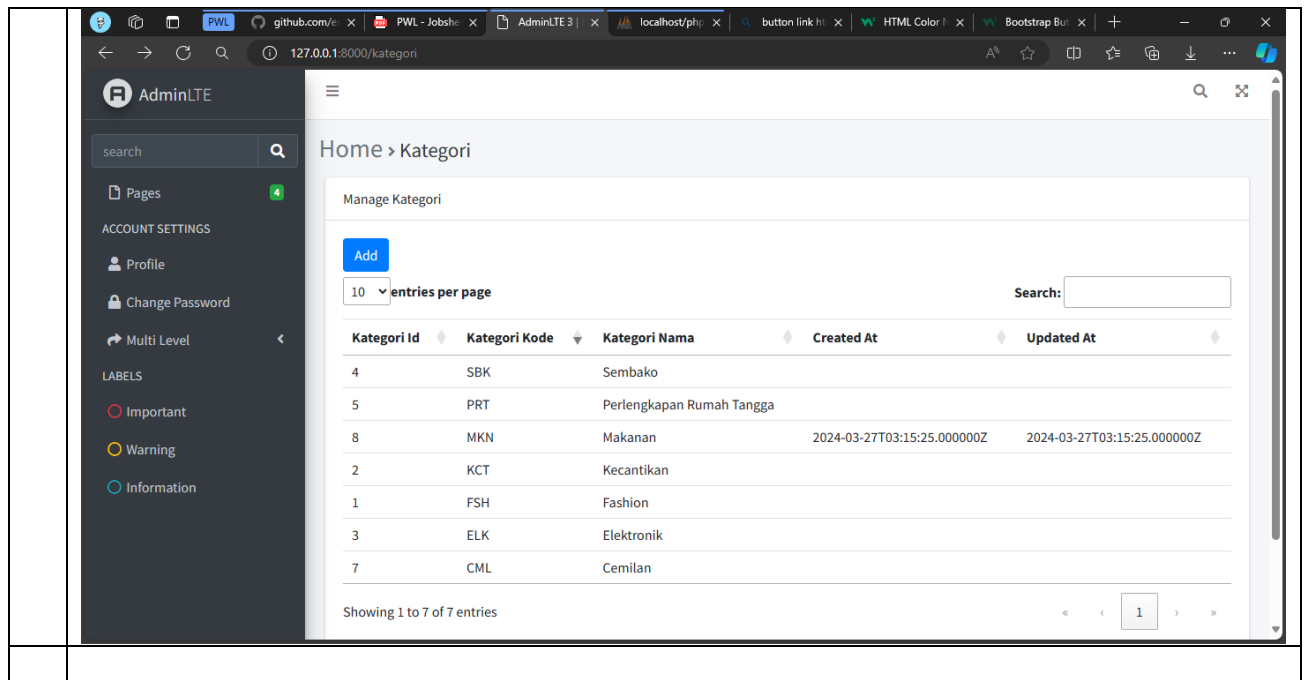


-	Memasukkan data kategori
	
-	Halaman /kategori (store)
	

## Tugas Praktikum

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

1	Menambahkan link href pada file index.blade.php
	<pre> @section('content')     &lt;div class="container"&gt;         &lt;div class="card"&gt;             &lt;div class="card-header"&gt;Manage Kategori&lt;/div&gt;             &lt;div class="card-body"&gt;                 &lt;a class="btn btn-primary" href="/kategori/create"&gt;Add&lt;/a&gt;                 {{ \$dataTable-&gt;table() }}             &lt;/div&gt;         &lt;/div&gt;     &lt;/div&gt; @endsection </pre>
2	Hasil

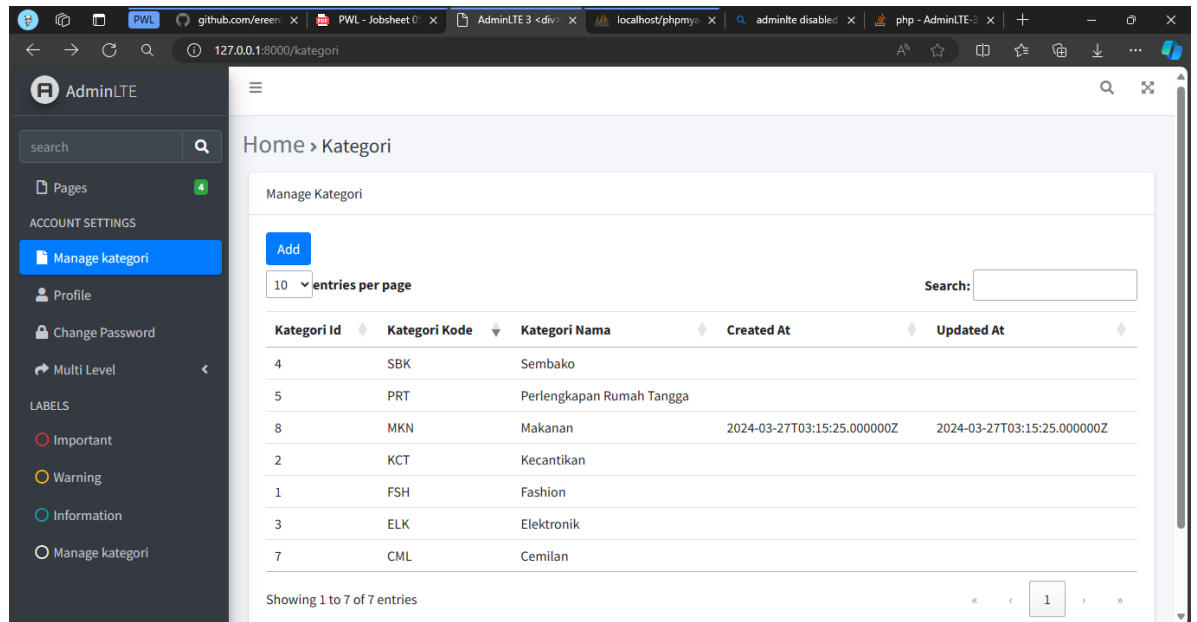


2. Tambahkan menu untuk halaman manage kategori, di daftar menu navbar

1 Menambahkan pada direktori folder config/adminlte.php pada bagian menu

```
[ 'header' => 'account_settings'],
[
    'text' => 'Manage kategori',
    'url' => 'kategori',
    'icon' => 'fas fa-fw fa-file',
],
```

2 Hasil



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

1	<p>Membuat datatables column action di KategoriDataTables</p> <pre> public function getColumns(): array {     return [         Column::computed('action')             -&gt;exportable(false)             -&gt;printable(false)             -&gt;width(60)             -&gt;addClass('text-center'),         Column::make('kategori_id'),         Column::make('kategori_kode'),         Column::make('kategori_nama'),         Column::make('created_at'),         Column::make('updated_at'),     ]; } </pre>
2	<p>Membuat view action edit</p> <pre> 1 &lt;div class="d-flex"&gt; 2   &lt;a class="btn btn-warning" href="/kategori/edit/{{ \$kategori_id }}"&gt;Edit&lt;/a&gt; </pre>
3	<p>Membuat view edit.blade.php untuk membuat formnya</p> <pre> @section('content')     &lt;div class="container"&gt;         &lt;div class="card card-primary"&gt;             &lt;div class="card-header"&gt;                 &lt;h3 class="card-title"&gt;Edit kategori&lt;/h3&gt;             &lt;/div&gt;              &lt;form method="post" action="/kategori/update/{{ \$kategori-&gt;kategori_id }}"&gt;                 {{-- @method('put'); --}} {{-- kalau pakai route put --}}                 &lt;div class="card-body"&gt;                     &lt;div class="form-group"&gt;                         &lt;label for="kodeKategori"&gt;Kode Kategori&lt;/label&gt;                         &lt;input type="text" class="form-control" id="kodeKategori" value="{{ \$kategori-&gt;kategori_kode }}"                             name="kategori_kode" placeholder="untuk makanan, contoh: MKN"/&gt;                     &lt;/div&gt;                     &lt;div class="form-group"&gt;                         &lt;label for="namaKategori"&gt;Nama Kategori&lt;/label&gt;                         &lt;input type="text" class="form-control" id="namaKategori" value="{{ \$kategori-&gt;kategori_nama }}"                             name="kategori_nama" placeholder="Nama"/&gt;                     &lt;/div&gt;                 &lt;/div&gt;             &lt;/form&gt;         &lt;/div&gt;     &lt;/div&gt; </pre>
4	<p>Membuat controller function edit dan update</p> <pre> public function edit(\$id){     \$kategori = KategoriModel::find(\$id);     return view('kategori.edit', ['kategori' =&gt; \$kategori]); }  public function update(\$id, Request \$request){     \$kategori = KategoriModel::find(\$id);     // dd(\$request-&gt;all());     // \$data = \$request-&gt;except('_token');     \$kategori-&gt;update(\$request-&gt;all());     // \$kategori-&gt;update([     //     'kategori_kode' =&gt; \$request-&gt;kategori_kode,     //     'kategori_nama' =&gt; \$request-&gt;kategori_nama,     // ]);     return redirect('/kategori'); } </pre>
5	<p>Membuat route</p> <pre> Route::get('/kategori/edit/{id}', [KategoriController::class, 'edit']); Route::post('/kategori/update/{id}', [KategoriController::class, 'update']); </pre>

6

## Hasil

The image displays two screenshots of the AdminLTE 3 web application interface, demonstrating the 'Manage Kategori' functionality.

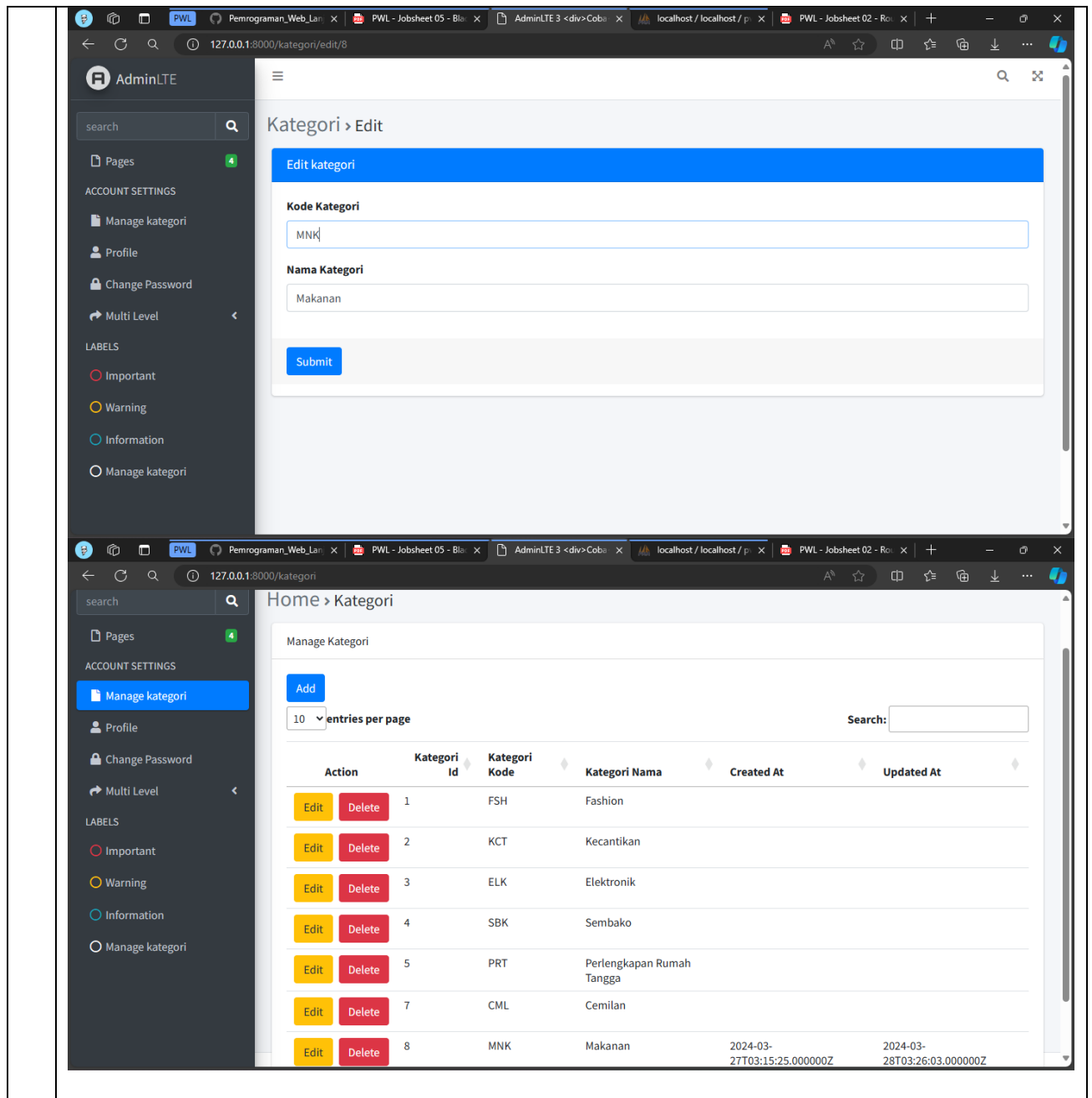
**Top Screenshot: Manage Kategori**

The 'Manage Kategori' page features a sidebar with navigation links under 'ACCOUNT SETTINGS' (Manage kategori, Profile, Change Password, Multi Level) and 'LABELS' (Important, Warning, Information, Manage kategori). The main content area includes an 'Add' button, a '10 entries per page' dropdown, and a search bar. A table lists the categories with columns for Action, Kategori Id, Kategori Kode, Kategori Nama, Created At, and Updated At.

Action	Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At
<a href="#">Edit</a> <a href="#">Delete</a>	1	FSH	Fashion		
<a href="#">Edit</a> <a href="#">Delete</a>	2	KCT	Kecantikan		
<a href="#">Edit</a> <a href="#">Delete</a>	3	ELK	Elektronik		
<a href="#">Edit</a> <a href="#">Delete</a>	4	SBK	Sembako		
<a href="#">Edit</a> <a href="#">Delete</a>	5	PRT	Perlengkapan Rumah Tangga		
<a href="#">Edit</a> <a href="#">Delete</a>	7	CML	Cemilan		
<a href="#">Edit</a> <a href="#">Delete</a>	8	MKN	Makanan	2024-03-27T03:15:25.000000Z	2024-03-28T03:18:33.000000Z

**Bottom Screenshot: Kategori > Edit**

The 'Kategori > Edit' page shows the 'Edit kategori' form. It includes input fields for 'Kode Kategori' (containing 'MKN') and 'Nama Kategori' (containing 'Makanan'), and a 'Submit' button.



#### 4. Tambahkan action delete di datatables serta controllernya

1	Menambahkan action delete di action.blade.php
2	Membuat function delete di KategoriController.php
3	Membuat route delete

```
<a class="btn btn-danger ml-2" href="/kategori/delete/{{ $kategori_id }}">Delete</a>
```

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

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

```
Route::get('/kategori/delete/{id}', [KategoriController::class, 'delete']);
```

4

## Hasil

The image displays two screenshots of a web application interface for managing categories. The interface includes a sidebar with navigation options and a main content area titled 'Manage Kategori'.

**Top Screenshot:** The 'Manage Kategori' page shows a table with 8 categories. The 'entries per page' dropdown is set to 10. The table columns are Action, Kategori Id, Kategori Kode, Kategori Nama, Created At, and Updated At.

Action	Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At
<a href="#">Edit</a> <a href="#">Delete</a>	1	FSH	Fashion		
<a href="#">Edit</a> <a href="#">Delete</a>	2	KCT	Kecantikan		
<a href="#">Edit</a> <a href="#">Delete</a>	3	ELK	Elektronik		
<a href="#">Edit</a> <a href="#">Delete</a>	4	SBK	Sembako		
<a href="#">Edit</a> <a href="#">Delete</a>	5	PRT	Perlengkapan Rumah Tangga		
<a href="#">Edit</a> <a href="#">Delete</a>	7	CML	Cemilan		
<a href="#">Edit</a> <a href="#">Delete</a>	8	MKN	Makanan	2024-03-27T03:15:25.000000Z	2024-03-28T03:32:12.000000Z

**Bottom Screenshot:** The 'Manage Kategori' page shows the same table after deleting category 8. The 'entries per page' dropdown is still set to 10. The table now displays 6 categories. The pagination bar at the bottom indicates 'Showing 1 to 6 of 6 entries'.

Action	Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At
<a href="#">Edit</a> <a href="#">Delete</a>	7	CML	Cemilan		
<a href="#">Edit</a> <a href="#">Delete</a>	5	PRT	Perlengkapan Rumah Tangga		
<a href="#">Edit</a> <a href="#">Delete</a>	4	SBK	Sembako		
<a href="#">Edit</a> <a href="#">Delete</a>	3	ELK	Elektronik		
<a href="#">Edit</a> <a href="#">Delete</a>	2	KCT	Kecantikan		
<a href="#">Edit</a> <a href="#">Delete</a>	1	FSH	Fashion		

Showing 1 to 6 of 6 entries

my company version: 1.0.0