



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI  
**POLITEKNIK NEGERI MALANG**  
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**Mata Kuliah** : **Pemrograman Web Lanjut (PWL)**  
**Program Studi** : **D4 – Sistem Informasi Bisnis**  
**Semester** : **4**  
**Kelas** : **SIB – 2B**  
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**Jobsheet Ke-** : **5 Blade View, Web Templating(AdminLTE), Datatables**

### Laporan Jobsheet

#### Praktikum 1 – Integrasi Laravel dengan AdminLTE3

Langkah	Jawaban/Deskripsi
1	<p>Dalam root folder project lakukan command berikut, untuk mendefinisikan requirement project.</p> <pre>PS C:\laragon\www\Pemrograman-WebLanjut_2025\Minggu-5\PWL_POS&gt; composer require jeroennoten/laravel-adminlte ./composer.json has been updated Running composer update jeroennoten/laravel-adminlte Loading composer repositories with package information Updating dependencies Lock file operations: 2 installs, 0 updates, 0 removals   - Locking almasaeed2018/adminlte (v3.2.0)   - Locking jeroennoten/laravel-adminlte (v3.15.0) Writing lock file Installing dependencies from lock file (including require-dev) Package operations: 2 installs, 0 updates, 0 removals   - Installing almasaeed2018/adminlte (v3.2.0): Extracting archive   - Installing jeroennoten/laravel-adminlte (v3.15.0): Extracting archive Generating optimized autoload files &gt; illuminate\Foundation\ComposerScripts::postAutoloadDump &gt; @php artisan package:discover --ansi   INFO  Discovering packages.  jeroennoten/laravel-adminlte ..... DONE laravel/sail ..... DONE laravel/sanctum ..... DONE laravel/tinker ..... DONE nesbot/carbon ..... DONE nunomaduro/collision ..... DONE nunomaduro/termwind ..... DONE spatie/laravel-ignition ..... DONE</pre>
2	<p>Melakukan instalasi requirement project di atas dengan command berikut:</p> <pre>PS C:\laragon\www\Pemrograman-WebLanjut_2025\Minggu-5\PWL_POS&gt; php artisan adminlte:install AdminLTE assets files published successfully Configuration file published successfully Translation files published successfully The installation is complete.</pre>
3	<p>Buat file resources/views/layout/app.blade.php. Isi dengan kode berikut.</p>

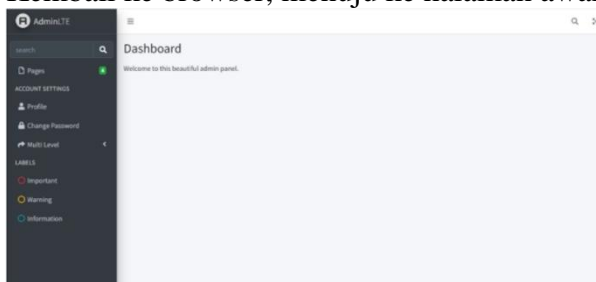


```
1 @extends('adminlte::page')
2
3 {{-- Extend and customize the browser title --}}
4 @section('title')
5     {{ config('adminlte.title') }}
6 @hasSection('subtitle') | @yield('subtitle') @endif
7 @stop
8
9 {{-- Extend and customize the page content header --}}
10 @section('content_header')
11     @hasSection('content_header_title')
12         <h1 class="text-muted">
13             @yield('content_header_title')
14         @hasSection('content_header_subtitle')
15             <small class="text-dark">
16                 <i class="fas fa-xs fa-angle-right text-muted"></i>
17             @yield('content_header_subtitle')
18         </small>
19     @endif
20 </h1>
21 @endif
22 @stop
23
24 {{-- Rename section content to content_body --}}
25 @section('content')
26     @yield('content_body')
27 @stop
28
29 {{-- Create a common footer --}}
30 @section('footer')
31     <div class="float-right">
32         Version: {{ config('app.version', '1.0.0') }}
33     </div>
34     <strong>
35         <a href="{{ config('app.company_url', '#') }}">
36             {{ config('app.company_name', 'My company') }}
37         </a>
38     </strong>
39 @stop
40
41 {{-- Add common Javascript/Query code --}}
42 @push('js')
43 <script>
44     $(document).ready(function() {
45         // Add your common script logic here...
46     });
47 </script>
48 @endpush
49
50 {{-- Add common CSS customizations --}}
51 @push('css')
52 <style type="text/css">
53     /* You can add AdminLTE customizations here */
54     /*
55     .card-header {
56         border-bottom: none;
57     }
58     .card-title {
59         font-weight: 600;
60     }
61     */
62 </style>
63 @endpush
```

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

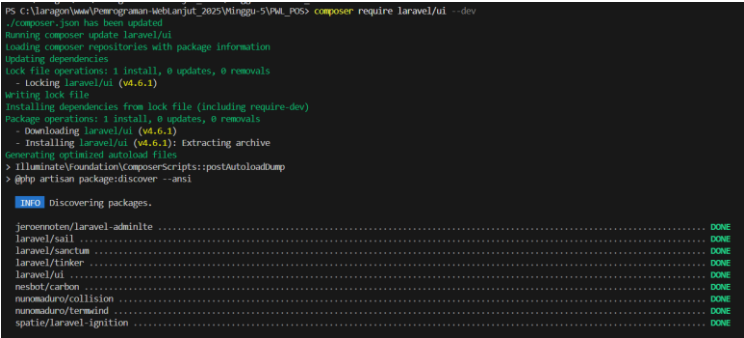
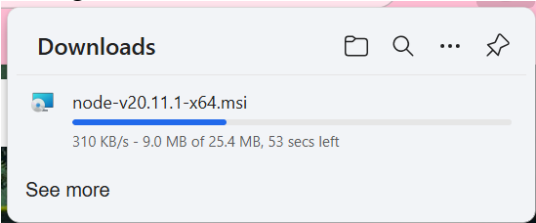
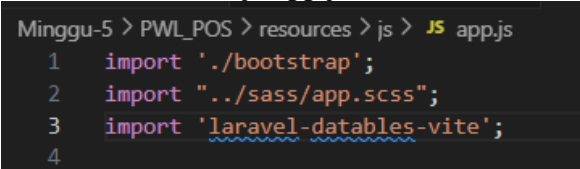
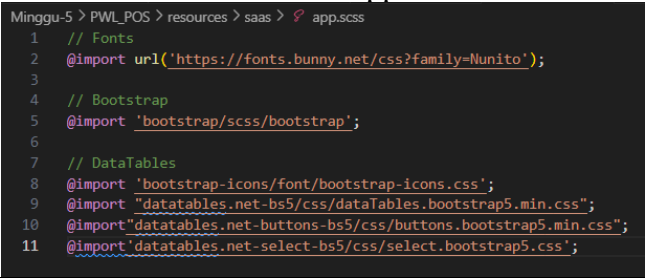
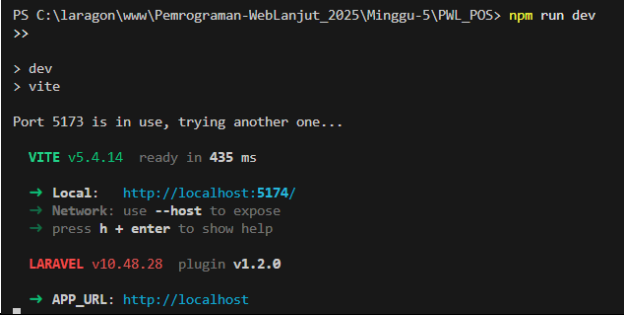
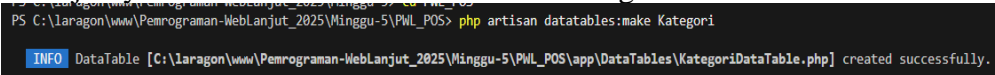
```
@extends('layout.app')
{{-- Customize layout sections --}}
@section('subtitle', 'Welcome')
@section('content_header_title', 'Home')
@section('content_header_subtitle', 'Welcome')
{{-- Content body: main page content --}}
@section('content_body')
    <p>Welcome to this beautiful admin panel.</p>
@stop
{{-- Push extra CSS --}}
@push('css')
    {{-- Add here extra stylesheets --}}
    {{-- <link rel="stylesheet" href="/css/admin_custom.css" --}}
@endpush
{{-- Push extra scripts --}}
@push('js')
    <script> console.log("Hi, I'm using the Laravel-AdminLTE package!"); </script>
@endpush
```

- 5 Kembali ke browser, menuju ke halaman awal.





## Praktikum 2 – Integrasi dengan DataTables

Langkah	Jawaban/Deskripsi
1	<b>Install Laravel DataTables</b> 
2	Pastikan nodejs sudah terinstall, dengan perintah npm -v. Jika belum install nodejs package manager dari 
3	Install Laravel DataTables Vite dan sass npm i laravel-datatables-vite --save-dev , npm install -D sass
4	Edit file resources/js/app.js 
5	Buatlah file resources/sass/app.scss 
6	Jalankan dengan npm run dev 
7	Selanjutnya kita akan buat datatables untuk kategori 



8	<p>Kita edit KategoriDataTable untuk mengatur kolom apa saja yang ingin ditampilkan Sesuai dengan kodeprogram berikut</p> <pre>1 &lt;?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/Button; 10 use Yajra\DataTables\Html\Column; 11 use Yajra\DataTables\Services\DataTable; 12 13 class KategoriDataTable extends DataTable 14 { 15     /** 16      * Build the datatable class. 17      * 18      * @param QueryBuilder \$query Results from query() method. 19      */ 20     public function dataTable(QueryBuilder \$query): EloquentDataTable 21     { 22         return (new EloquentDataTable(\$query)) 23             // Uncomment jika ingin menambahkan kolom aksi 24             // -&gt;addColumn('action', 'kategori.action') 25             -&gt;setRowId('id'); 26     } 27 28     /** 29      * Get the query source of dataTable. 30      */ 31     public function query(KategoriModel \$model): QueryBuilder 32     { 33         return \$model-&gt;newQuery(); 34     } 35 36     /** 37      * Optional method if you want to use the HTML builder. 38      */ 39     public function html(): HtmlBuilder 40     { 41         return \$this-&gt;builder() 42             -&gt;setTableId('kategori-table') 43             -&gt;columns(\$this-&gt;getColumns()) 44             -&gt;minifiedAjax() 45             -&gt;orderBy(1) 46             -&gt;selectStyleSingle() 47             -&gt;buttons([ 48                 Button::make('reset'), 49                 Button::make('csv'), 50                 Button::make('pdf'), 51                 Button::make('print'), 52                 Button::make('reset'), 53                 Button::make('reload'), 54             ]); 55     } 56 57     /** 58      * Get the dataTable columns definition. 59      */ 60     public function getColumns(): array 61     { 62         return [ 63             // Uncomment jika ingin menambahkan kolom aksi 64             /* Column::computed('action') 65                 -&gt;exportable(false) 66                 -&gt;printable(false) 67                 -&gt;width(60), 68             */ 69             Column::make('kategori_id'), 70             Column::make('kategori_kode'), 71             Column::make('kategori_nama'), 72             Column::make('created_at'), 73             Column::make('updated_at'), 74         ]; 75     } 76 77     /** 78      * Get the filename for export. 79      */ 80     protected function filename(): string 81     { 82         return 'Kategori_' . date('YmHis'); 83     } 84 }</pre>
9	<p>Ubah kategori model, sesuaikan seperti berikut</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>
10	<p>Ubah Kategori Controller sesuaikan dengan skrip berikut:</p> <pre>Minggu-5 &gt; PWL_POS &gt; app &gt; Http &gt; Controllers &gt; KategoriController.php &gt; KategoriController 1 &lt;?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-&gt;render('kategori.index'); 13     } 14 }</pre>
11	<p>Buat folder kategori di dalam resources/view, kemudian buat view blade index untuk</p>



	<p>kategori resources/views/kategori/index.blade.php</p> <pre>Minggu-5 &gt; PWL_POS &gt; resources &gt; views &gt; kategori &gt; index.blade.php &gt; ... 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 Kategori&lt;/div&gt; 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 23</pre>
12	<p>Pastikan route untung kategori sudah tersedia</p> <pre>Route::get('/kategori', [KategoriController::class, 'index']);</pre>
13.	<p>Sesuaikan app layout seperti kode berikut</p> <pre>1  @extends('adminlte:page') 2 3  {{-- Extend and customize the browser title --}} 4  @section('title') 5      {{ config('adminlte.title') }} 6  @hasSection('subtitle')   @yield('subtitle') @endif 7  @stop 8 9  @vite('resources/js/app.js') 10 11  {{-- Extend and customize the page content header --}} 12  @section('content_header') 13      @hasSection('content_header_title') 14          &lt;small class="text-muted"&gt; 15              @yield('content_header_title') 16          &lt;/small&gt; 17      @hasSection('content_header_subtitle') 18          &lt;small class="text-dark"&gt; 19              &lt;i class="fa-x fa-angle-right text-muted"&gt;&lt;/i&gt; 20              @yield('content_header_subtitle') 21          &lt;/small&gt; 22      @endif 23  &lt;/div&gt; 24  @endif 25  @stop 26 27  {{-- Rename section content to content_body --}} 28  @section('content') 29      @yield('content_body') 30  @stop 31 32  {{-- Create a common footer --}} 33  @section('footer') 34      &lt;div class="float-right"&gt; 35          Version: {{ config('app.version', '1.0.0') }} 36      &lt;/div&gt; 37      &lt;strong&gt; 38          &lt;a href="{{ config('app.company_url', 'x') }}"&gt; 39              {{ config('app.company_name', 'My company') }} 40          &lt;/a&gt; 41      &lt;/strong&gt; 42  @stop 43 44  {{-- Add common JavaScript/Query code --}} 45  @push('js') 46      &lt;script src="https://cdn.datatables.net/2.0.2/js/dataTables.js"&gt;&lt;/script&gt; 47  @endpush 48 49  @stack('scripts') 50 51  {{-- Add common CSS customizations --}} 52  @push('css') 53      &lt;link rel="stylesheet" 54          href="https://cdn.datatables.net/2.0.2/css/dataTables.dataTables.css" / 55  &gt; 56      &lt;style type="text/css"&gt; 57          /* You can add AdminLTE customizations here */ 58          /* 59          .card-header { 60              border-bottom: none; 61          } 62          .card-title { 63              font-weight: 600; 64          } 65          */ 66      &lt;/style&gt; 67  @endpush 68</pre>
14.	<p>Menset ViteJs / script type defaults</p>



```
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 }
```

15.

Isikan beberapa data ke table kategori

<input type="checkbox"/>				6 CML	Cemilan	2024-03-09 10:30:00	NULL
<input type="checkbox"/>				7 MNR	Minuman Ringan	2024-03-09 13:01:39	NULL

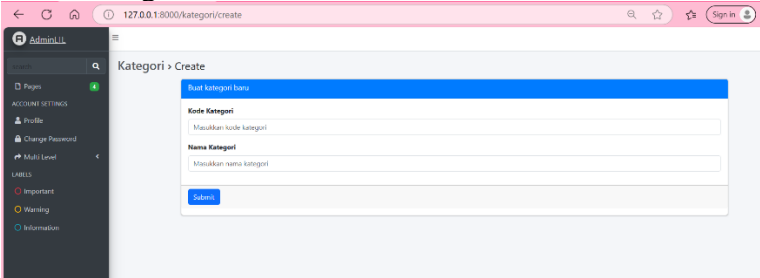
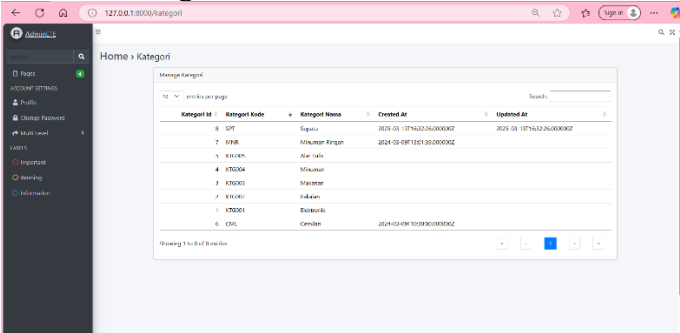
16.

Datatables sudah dapat di load di /kategori

### Praktikum 3 – Membuat form kemudian menyimpan data dalam database

Langkah	Jawaban/Deskripsi
1	Menyesuaikan routing, tambahkan dua routing berikut <pre>Route::get('/kategori/create', [KategoriController::class, 'create']); Route::post('/kategori', [KategoriController::class, 'store']);</pre>
2	Tambahkan dua function berikut dalam KategoriController <pre>&lt;?php  namespace App\Http\Controllers; use App\Models\KategoriModel; use Illuminate\Http\Request; use App\DataTables\KategoriDataTable;  class KategoriController extends Controller {     public function index(KategoriDataTable \$dataTable)     {         return \$dataTable-&gt;render('kategori.index');     }      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>



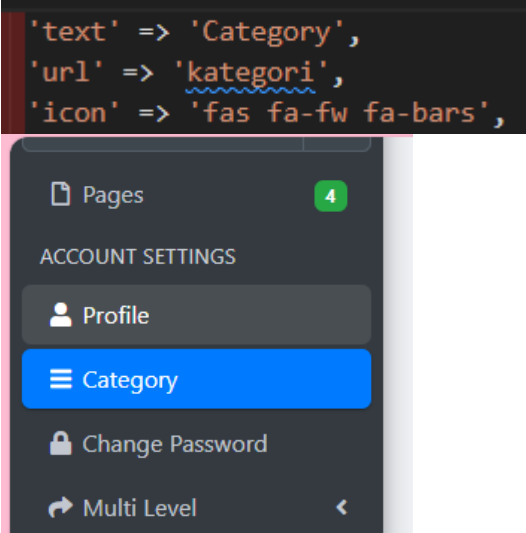
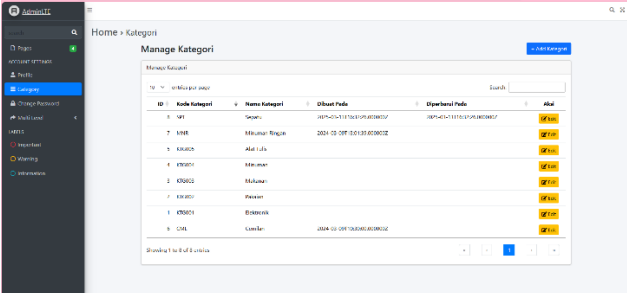
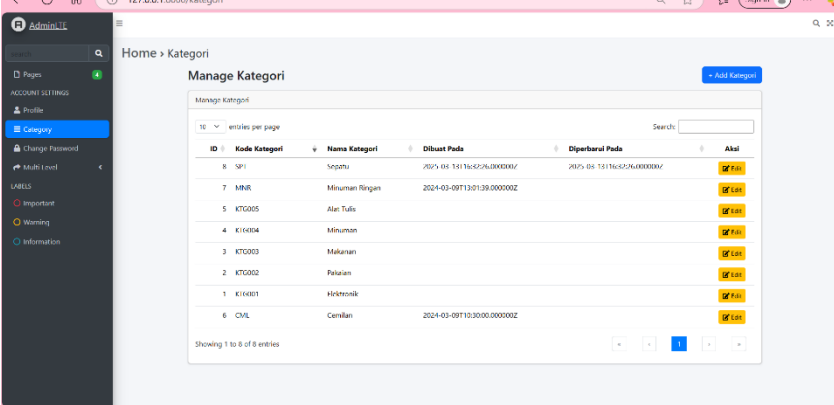
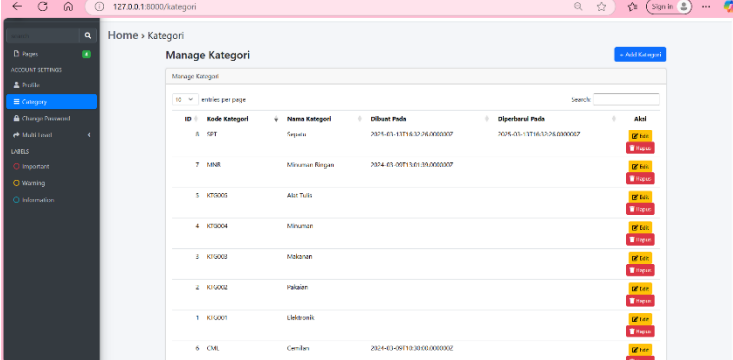
3	<p>Dalam folder views/kategori, buatlah file dengan nama create.blade.php</p> <pre>1 @extends('layouts.app') 2 3 @section('content') 4 @section('content_header_title', 'Kategori') 5 @section('content_header_subtitle', 'Create') 6 7 8 @section('content') 9 10 &lt;div class="container"&gt; 11 &lt;div class="card card-primary"&gt; 12 &lt;div class="card-header"&gt; 13 &lt;h3 class="card-title"&gt;Buat kategori baru&lt;/h3&gt; 14 &lt;/div&gt; 15 16 &lt;form method="post" action="..../kategori"&gt; 17 &lt;div class="card-body"&gt; 18 &lt;div class="form-group"&gt; 19 &lt;label for="kodeKategori"&gt;Kode Kategori&lt;/label&gt; 20 &lt;input type="text" class="form-control" id="kodeKategori" name="kodeKategori" placeholder="Masukkan kode kategori"&gt; 21 &lt;/div&gt; 22 &lt;div class="form-group"&gt; 23 &lt;label for="namaKategori"&gt;Nama Kategori&lt;/label&gt; 24 &lt;input type="text" class="form-control" id="namaKategori" name="namaKategori" placeholder="Masukkan nama kategori"&gt; 25 &lt;/div&gt; 26 &lt;/div&gt; 27 28 &lt;div class="card-footer"&gt; 29 &lt;button type="submit" class="btn btn-primary"&gt;Submit&lt;/button&gt; 30 &lt;/div&gt; 31 &lt;/form&gt; 32 &lt;/div&gt; 33 &lt;/div&gt; 34 @endsection 35</pre>
4	<p>Kita lakukan pengecualian proteksi CsrfToken. Karena kita belum melakukan otentikasi . Kita edit dalam file berikut:</p> <pre>1 &lt;?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&lt;int, string&gt; 13      */ 14     protected \$except = [ 15         '/kategori' 16     ]; 17 } 18</pre>
5	<p>Akses kategori/create</p> 
6.	<p>Halaman kategori</p> 

## Tugas Praktikum

Langkah	Jawaban/Deskripsi
1	Tambahkan button Add di halam manage kategori, yang mengarah ke create kategori baru





	 <pre>'text' =&gt; 'Category', 'url' =&gt; 'kategori', 'icon' =&gt; 'fas fa-fw fa-bars',</pre>
2	<p>Tambahkan menu untuk halaman manage kategori, di daftar menu navbar</p> 
3	<p>Tambahkan action edit di datatables dan buat halaman edit serta controllernya</p> 
4	<p>Tambahkan action delete di datatables serta controllernya</p> 
5.	<p>Tampilan jika ingin edit kategori</p>





AdminLTE

Edit Kategori

Kode Kategori: 001

Nama Kategori: Pemas

Simpan Batal

6.

Hasil update yang sudah di edit

AdminLTE

Home > Kategori

Manage Kategori

ID	Kode Kategori	Nama Kategori	Aksi
7	0008	Mikrokontroler	<a href="#">Edit</a> <a href="#">Delete</a>
2	000002	Alat Tulis	<a href="#">Edit</a> <a href="#">Delete</a>
4	000004	Mikrokontroler	<a href="#">Edit</a> <a href="#">Delete</a>
3	000003	Mikrokontroler	<a href="#">Edit</a> <a href="#">Delete</a>
2	000002	Mikrokontroler	<a href="#">Edit</a> <a href="#">Delete</a>
1	000001	Elektronik	<a href="#">Edit</a> <a href="#">Delete</a>
6	0006	Combin	<a href="#">Edit</a> <a href="#">Delete</a>
8	0008	Revisi	<a href="#">Edit</a> <a href="#">Delete</a>

Showing 8 out of 8 entries

7.

Tampilan jika ingin menghapus kategori

AdminLTE

Home > Kategori

Manage Kategori

127.0.0.1:8000 says  
Apakah Anda yakin ingin menghapus?

OK Cancel

ID	Kode Kategori	Nama Kategori	Aksi
7	0008	Mikrokontroler	<a href="#">Edit</a> <a href="#">Delete</a>
2	000002	Alat Tulis	<a href="#">Edit</a> <a href="#">Delete</a>
4	000004	Mikrokontroler	<a href="#">Edit</a> <a href="#">Delete</a>
3	000003	Mikrokontroler	<a href="#">Edit</a> <a href="#">Delete</a>
2	000002	Mikrokontroler	<a href="#">Edit</a> <a href="#">Delete</a>
1	000001	Elektronik	<a href="#">Edit</a> <a href="#">Delete</a>
6	0006	Combin	<a href="#">Edit</a> <a href="#">Delete</a>
8	0008	Revisi	<a href="#">Edit</a> <a href="#">Delete</a>

Showing 8 out of 8 entries