

Laporan Pemrograman WEB Lanjut  
Jobsheet 5 Blade View, Web Templating(AdminLTE),  
Datatables



Politeknik Negeri Malang  
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Teknologi Informasi

**Progam Studi**

D-IV Teknik Informatika

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

```

1 > syntax
2 > package
3 > install
4 > remove
5 > upgrade
6 > autoremove
7 > dist-upgrade
8 > full-upgrade
9 > clean
10 > purge
11 > reinstall
12 > build-dep
13 > build-dep-override
14 > build-dep-override
15 > build-dep-override
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98 > build-dep-override
99 > build-dep-override
100 > build-dep-override

```

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

A screenshot of the AdminLTE dashboard. The sidebar on the left contains a search bar, a 'Pages' link with a green badge, 'ACCOUNT SETTINGS' (Profile, Change Password), a 'Multi Level' dropdown menu (expanded to show 'Level 1' with a left arrow), and 'LABELS' (Important, Warning, Information). The main content area has a breadcrumb 'Home > Welcome' and a message 'Welcome to this beautiful admin panel.' The footer shows 'My company' and 'Version: 1.0.0'.

1. Q : "Install Laravel DataTables composer require laravel/ui --dev composer require yajra/laravel-datatables:^10.0

The screenshot shows a terminal window with a file explorer on the left. The file explorer displays a directory structure for a project named "PWL\_POS\_NORIENT". The selected file is "app.blade.php".

The terminal output shows the following commands and their results:

```
$ composer require yajra/laravel-datatables-oracle --no-dev --with-dependencies
Warning: Composer update yajra/laravel-datatables
Loading composer repositories with package information
Updating dependencies
Lock file operations: 7 installs, 0 updates, 0 removals
- Locking league/fractal (v0.8.2)
- Locking yajra/laravel-datatables (v10.0.0)
- Locking yajra/laravel-datatables-bottom (v10.0.0)
- 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 (v10.13.4)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 7 installs, 0 updates, 0 removals
INFO: Could not find files for the given pattern(s).
- Downloading yajra/laravel-datatables-oracle (v10.13.4)
- Downloading yajra/laravel-datatables-html (v10.12.0)
- Downloading league/fractal (v0.8.2)
- Downloading yajra/laravel-datatables-fractal (v10.0.0)
- Downloading yajra/laravel-datatables-editor (v1.25.4)
- Downloading yajra/laravel-datatables-bottom (v10.0.0)
- Downloading yajra/laravel-datatables (v10.0.0)
- Installing yajra/laravel-datatables-oracle (v10.13.4): extracting archive
- Installing yajra/laravel-datatables-html (v10.12.0): extracting archive
- Installing league/fractal (v0.8.2): 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-bottom (v10.0.0): extracting archive
- Installing yajra/laravel-datatables (v10.0.0): extracting archive
# Package suggestions were added by new dependencies, see "composer suggest" to see details.
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadSetup
> @php artisan package:discover --ansi

INFO: Discovering packages.

jensreuther/laravel-adminlte ..... DONE
laravel/tall ..... DONE
laravel/ui ..... DONE
laravel/cashier ..... DONE
laravel/faker ..... DONE
laravel/passport ..... DONE
laravel/socialite ..... DONE
laravel/ui ..... DONE
mews/router ..... DONE
mews/router-terminus ..... DONE
mews/router-terminus ..... DONE
yajra/laravel-datatables-bottom ..... 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.
See https://packagist.org/funding for more details.
```

```
PS C:\laragon\www\Pemrograman_web_lanjut\PWL_POS_Noklent> npm install -D sass

up to date, audited 63 packages in 714ms

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.
PS C:\laragon\www\Pemrograman_web_lanjut\PWL_POS_Noklent>
```

3. Q: Jalankan dengan npm run dev

```
PS C:\laragon\www\Pemrograman_web_lanjut\PWL_POS_Noklent> npm run dev

> dev
> vite

VITE v5.4.14 ready in 153 ms

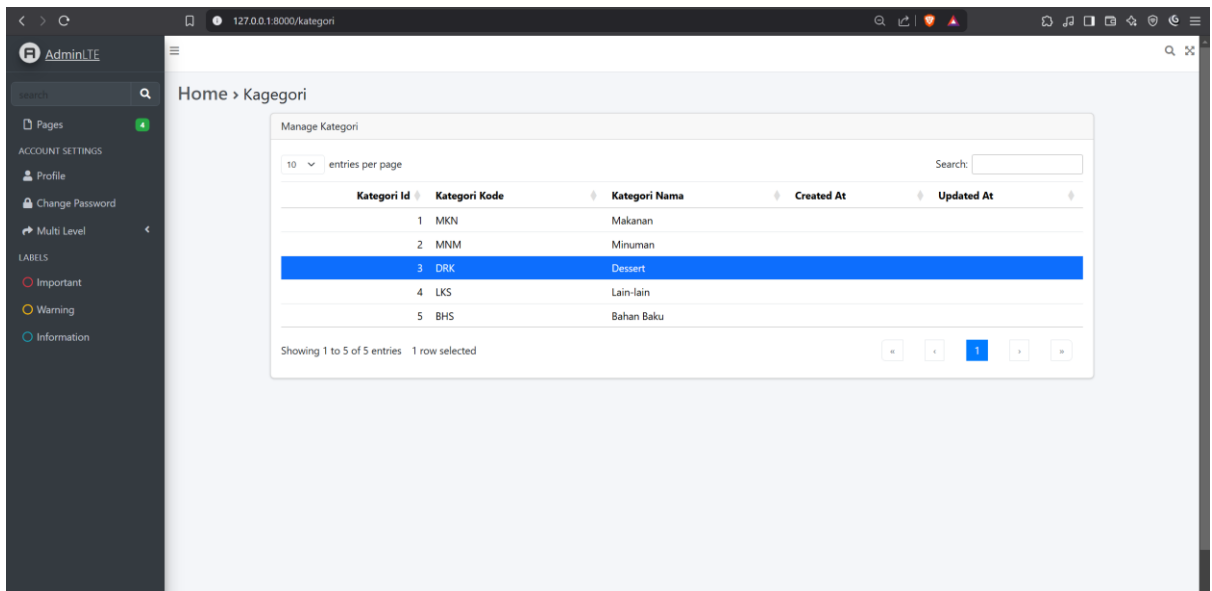
→ Local: http://localhost:5173/
→ Network: use --host to expose
→ press h + enter to show help

LARAVEL v10.48.28 plugin v1.2.0

→ APP_URL: http://localhost
```

4. Q: Datatables sudah dapat di load di /kategori

A:



Home > Kagegori

Manage Kagegori

10 entries per page Search:

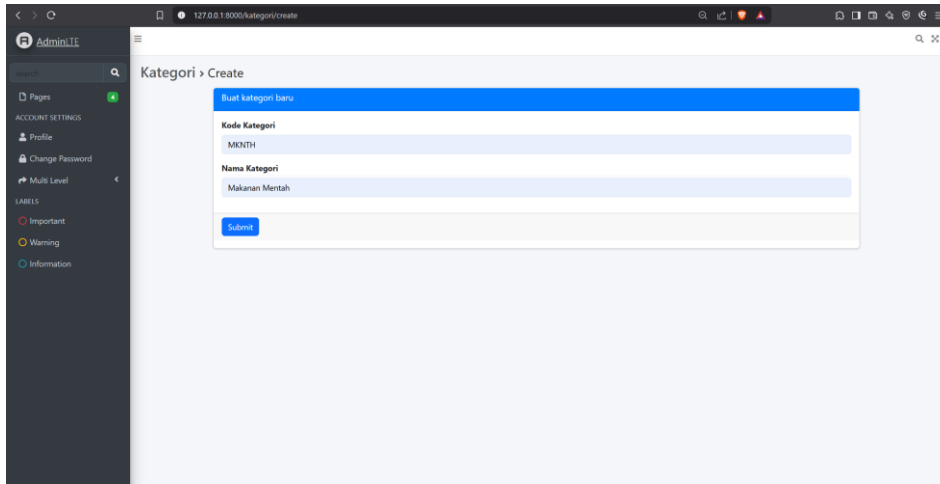
Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At
1	MKN	Makanan		
2	MNM	Minuman		
3	DRK	Dessert		
4	LKS	Lain-lain		
5	BHS	Bahan Baku		

Showing 1 to 5 of 5 entries 1 row selected

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

1. Q: Akses kategori/create

A:



Kategori > Create

Ruat kategori baru

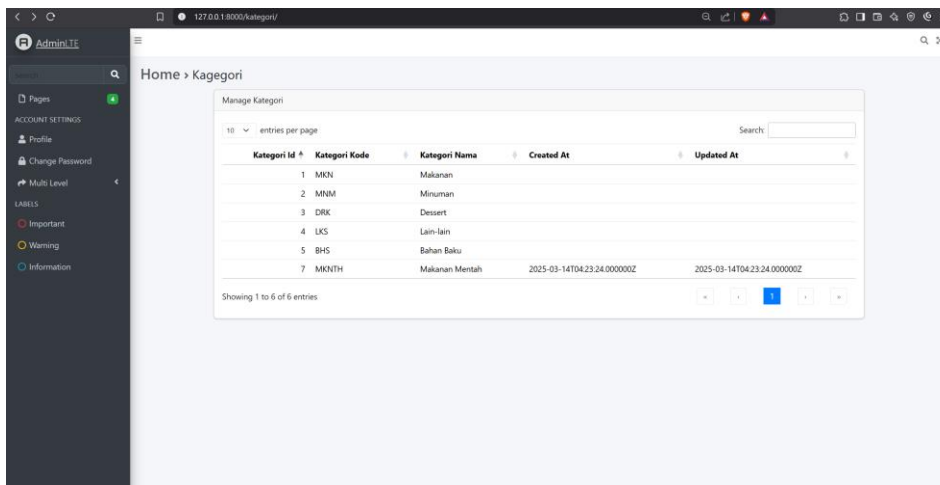
Kode Kategori  
MKNTH

Nama Kategori  
Makanan Mentah

Submit

2. Q: Halaman kategori

A:



Home > Kategori

Manage Kategori

10 entries per page

Search:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At
1	MKN	Makanan		
2	MNM	Minuman		
3	DRK	Dessert		
4	LKS	Lain-lain		
5	BHS	Bahan Baku		
6	MKNTH	Makanan Mentah	2025-03-14T04:23:24.000000Z	2025-03-14T04:23:24.000000Z

Showing 1 to 6 of 6 entries



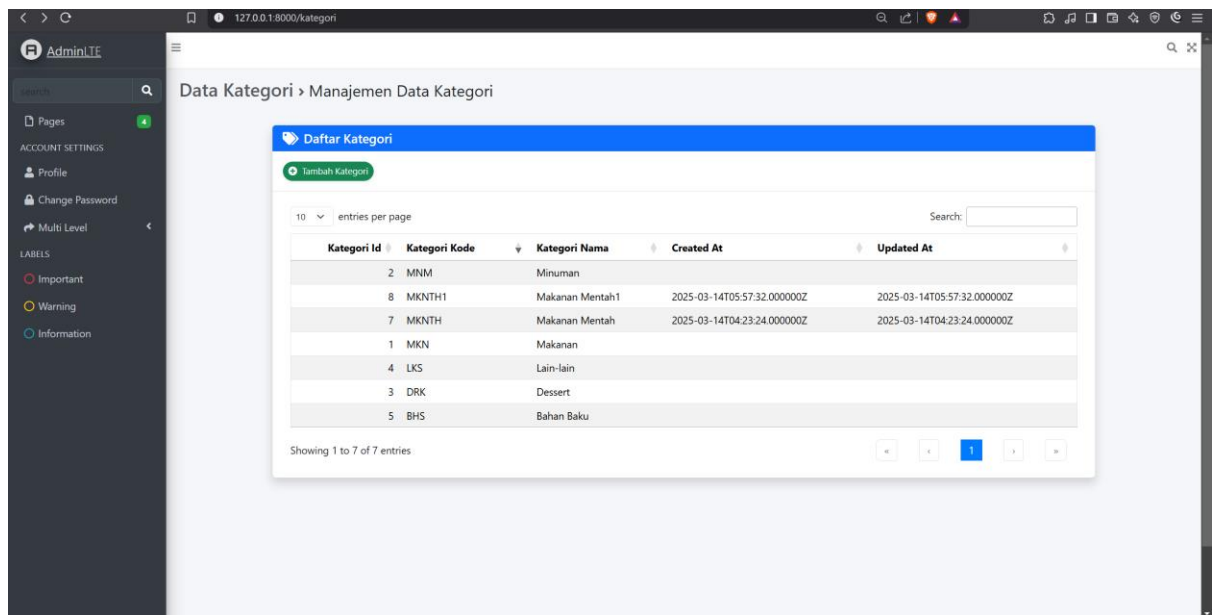
## Tugas

1. Q: Tambahkan button Add di dalam manage kategori, yang mengarah ke create kategori baru  
A: Edit kode pada kategori\index.blade.php

```

1  @extends('layouts.app')
2
3  @section('subtitle', 'Kategori')
4  @section('content_header_title', 'Data Kategori')
5  @section('content_header_subtitle', 'Manajemen Data Kategori')
6
7  @section('content')
8      <div class="container my-4">
9          @if (session('success'))
10             <div class="alert alert-success alert-dismissible fade show" role="alert">
11                 {{ session('success') }}
12                 <button type="button" class="close" data-dismiss="alert" aria-label="Close">
13                     <span aria-hidden="true">&times;</span>
14                 </button>
15             </div>
16          @endif
17
18          <div class="card shadow">
19              <div class="card-header d-flex justify-content-between align-items-center bg-primary text-white">
20                  <h5 class="mb-0"><i class="fas fa-tags mr-2"></i>Daftar Kategori</h5>
21              </div>
22              <div class="card-tools p-3 border-bottom">
23                  <div class="d-flex justify-content-between align-items-center">
24                      <a href="{{ route('kategori.create') }}" class="btn btn-sm btn-success rounded-pill shadow-sm">
25                          <i class="fas fa-plus-circle mr-1"></i> Tambah Kategori
26                      </a>
27
28                  </div>
29              </div>
30              <div class="card-body">
31                  <div class="table-responsive">
32                      @if (isset($dataTable))
33                          {!! $dataTable->table(['class' => 'table table-striped table-hover border']) !!}
34                      @else
35                          <div class="text-center py-5">
36                              <i class="fas fa-database fa-3x text-muted mb-3"></i>
37                              <p>Tidak ada data kategori yang tersedia.</p>
38                          </div>
39                      @endif
40                  </div>
41              </div>
42          </div>
43      </div>
44  @endsection
45
46  @push('scripts')
47      @if (isset($dataTable))
48          {!! $dataTable->scripts() !!}
49      @endif
50  @endpush
51
52

```



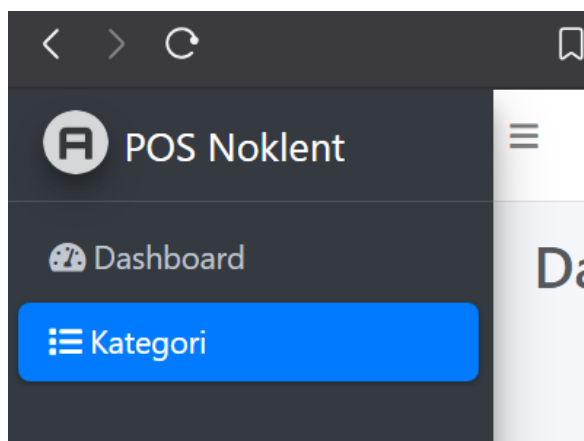
2. Q: Tambahkan menu untuk halaman manage kategori, di daftar menu side bar

A: Tambahkan kode berikut pada config\adminlte.php

```

1  [
2      'text' => 'Kategori',
3      'url' => 'kategori',
4      'icon' => 'fas fa-list',
5      'active' => ['kategori', 'kategori/*'],
6  ],

```



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

A: Tambahkan route ada web.php

Tambahkan kode ini pada KategoriDatatables:

```
1 public function dataTable(QueryBuilder $query): EloquentDataTable
2 {
3     return (new EloquentDataTable($query))
4         ->addColumn('action', function ($row) {
5             return '<a href="' . route('kategori.edit', $row->kategori_id) . '" class="btn btn-sm btn-primary">
6                 <i class="fas fa-edit"></i> Edit
7             </a>';
8         })
9         ->rawColumns(['action']) // Ensure the action column is rendered as raw HTML
10        ->setRowId('id');
11 }
```

```
1 public function getColumns(): array
2 {
3     return [
4
5         Column::make('kategori_id'),
6         Column::make('kategori_kode'),
7         Column::make('kategori_nama'),
8         Column::make('created_at'),
9         Column::make('updated_at'),
10        Column::computed('action')
11        ->exportable(false)
12        ->printable(false)
13        ->width(100)
14        ->addClass('text-center'),
15    ];
16 }
```

Tambahkan kode ini pada kategoriController.

```
1 public function edit($id)
2 {
3     $kategori = Kategori::findOrFail($id);
4     return view('kategori.edit', compact('kategori'));
5 }
6
7 public function update(Request $request, $id)
8 {
9     $request->validate([
10         'kategori_kode' => 'required|string|max:10|unique:m_kategori,kategori_kode,' . $id . ',kategori_id',
11         'kategori_nama' => 'required|string|max:100',
12     ]);
13
14     $kategori = Kategori::findOrFail($id);
15     $kategori->update([
16         'kategori_kode' => $request->kategori_kode,
17         'kategori_nama' => $request->kategori_nama,
18     ]);
19
20     return redirect()->route('kategori.index')->with('status', 'Data berhasil diperbarui');
21 }
```



## Kategori/edit

```

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             <form method="post" action="{{ route('kategori.update', $kategori->kategori_id) }}">
14                 @csrf
15                 @method('PUT')
16                 <div class="card-body">
17                     <div class="form-group">
18                         <label for="kodeKategori">Kode Kategori</label>
19                         <input type="text" class="form-control" id="kodeKategori" name="kategori_kode"
20                             value="{{ $kategori->kategori_kode }}" placeholder="Masukkan kode kategori">
21                     </div>
22                     <div class="form-group">
23                         <label for="namaKategori">Nama Kategori</label>
24                         <input type="text" class="form-control" id="namaKategori" name="kategori_nama"
25                             value="{{ $kategori->kategori_nama }}" placeholder="Masukkan nama kategori">
26                     </div>
27                 </div>
28                 <div class="card-footer">
29                     <button type="submit" class="btn btn-primary">Update</button>
30                 </div>
31             </form>
32         </div>
33     </div>
34 @endsection

```

Data Kategori > Manajemen Data Kategori

Daftar Kategori

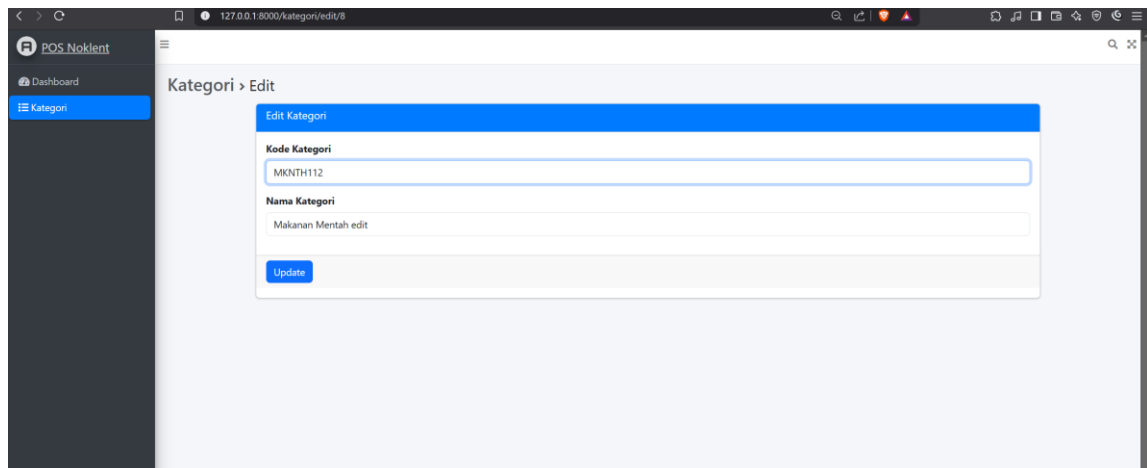
[Tambah Kategori](#)

10 entries per page

Search:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At	Action
2	MNM	Minuman			<a href="#">Edit</a>
8	MKNTH1	Makanan Mentah edit	2025-03-14T05:57:32.000000Z	2025-03-14T07:24:41.000000Z	<a href="#">Edit</a>
7	MKNTH	Makanan Mentah	2025-03-14T04:23:24.000000Z	2025-03-14T04:23:24.000000Z	<a href="#">Edit</a>
1	MKN	Makanan			<a href="#">Edit</a>
4	LKS	Lain-lain			<a href="#">Edit</a>
3	DRK	Dessert			<a href="#">Edit</a>
5	BHS	Bahan Baku			<a href="#">Edit</a>

Showing 1 to 7 of 7 entries



4. Q: Tambahkan action delete di datatables serta controllernya

A: tambahkan route pada web.

Kemudian edit kategoriController.php

```
1 public function destroy($id)
2 {
3     $kategori = Kategori::findOrFail($id); // Find the kategori by ID or throw a 404 error
4     $kategori->delete(); // Delete the kategori
5
6     return redirect()->route('kategori.index')->with('status', 'Data berhasil dihapus');
7 }
```

Dan tambahkan kode pada kategori datatable

```
1 <form action="" . route('kategori.destroy', $row->kategori_id) . "" method="POST">
2     . csrf_field() . '
3     . method_field('DELETE') . '
4     <button type="submit" class="btn btn-sm btn-danger" onclick="return confirm('\`Apakah anda yakin akan menghapus item ini?\`')">
5         <i class="fas fa-trash"></i> Delete
6     </button>
7 </form>
```

