LAPORAN JOBSHEET 5
PEMROGRAMAN WEB LANJUT
Blade View, Web Templating(AdminLTE), Datatables

Dosen pengajar: Dimas Wahyu Wibowo, ST., MT

Disusun Oleh:

Nama : M. Fatih Al Ghifary

NIM : 2341720194

Kelas : TI-2A

No : 16

PRODI TEKNIK INFORMATIKA D-IV

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

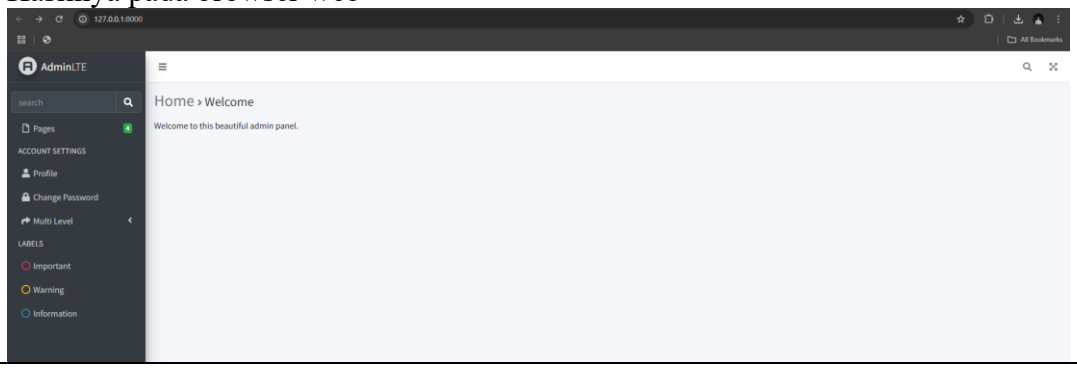
2025

Praktikum 1 – Integrasi Laravel dengan AdminLte3

No	Gambar dan Penjelasan

1.	Mendefinisikan requirement project menggunakan perintah
	‘composer require jeroennoten/laravel-adminlte’
	
	`D:\KULIAH\SEMESTER-4\file\laragon\www\PROWEBLNJT\Week 5>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 almasaeed2010/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`
	`  - Downloading almasaeed2010/adminlte (v3.2.0)`
	`  - Downloading jeroennoten/laravel-adminlte (v3.15.0)`
	` 1/2 [==============>------------]  50%`

2.	instalasi requirement project menggunakan perintah
	php artisan adminlte:install
	
	`D:\KULIAH\SEMESTER-4\file\laragon\www\PROWEBLNJT\Week 5>php artisan adminlte:install`
	`AdminLTE assets files published successfully`
	`Configuration file published successfully`
	`Translation files published successfully`
	`The installation is complete.`

3.	Hasilnya pada browser web 

Praktikum 2 – Integrasi dengan DataTables

No	Gambar dan Penjelasan

1.	Install Laravel DataTables
	composer require laravel/ui –dev
	`D:\KULIAH\SEMESTER-4\file\laragon\www\PROWEBLNJT\Week 5\PWL_POS>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 (v4.6.1)`
	`Writing lock file`
	`Installing dependencies from lock file (including require-dev)`
	`Package operations: 1 install, 0 updates, 0 removals`
	`  - Downloading laravel/ui (v4.6.1)`

composer require yajra/laravel-datatables:^10.0

```
D:\KULIAH\SEMESTER-4\file\laragon\www\PROWEBLNJT\Week 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 htt
ps://getcomposer.org/constraints
./composer.json has been updated
Running 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 (0.20.2)
  - 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
```

2. Mengecek nodejs sudah terinstall menggunakan perintah npm -v

```
D:\KULIAH\SEMESTER-4\file\laragon\www\PROWEBLNJT\Week 5\PWL_POS>npm -v
10.2.4
```

3. Install Laravel DataTables Vite dan sass

- npm i laravel-datatables-vite --save-dev

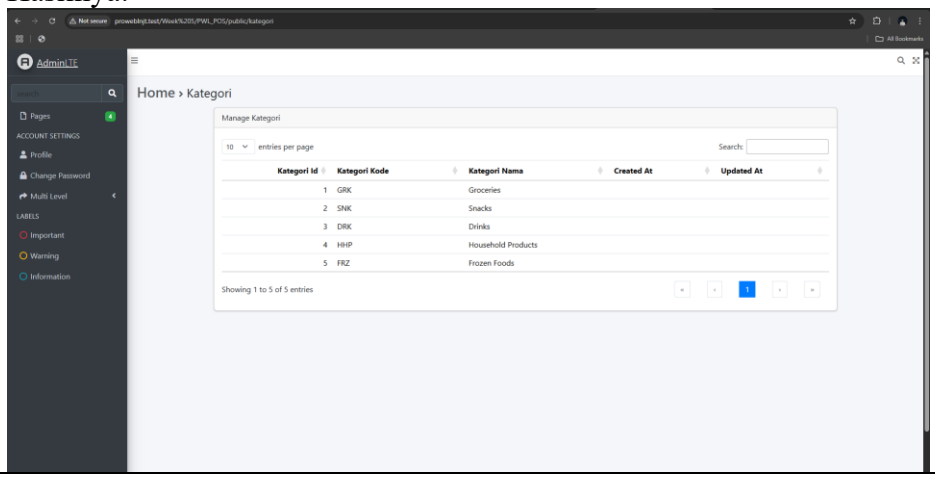
```
D:\KULIAH\SEMESTER-4\file\laragon\www\PROWEBLNJT\Week 5\PWL_POS>npm i laravel-datatables-vite --save-dev

added 47 packages, and audited 48 packages in 55s

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

Run `npm audit` for details.
npm notice
npm notice New major version of npm available! 10.2.4 -> 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

D:\KULIAH\SEMESTER-4\file\laragon\www\PROWEBLNJT\Week 5\PWL_POS>
```

- npm install -D sass

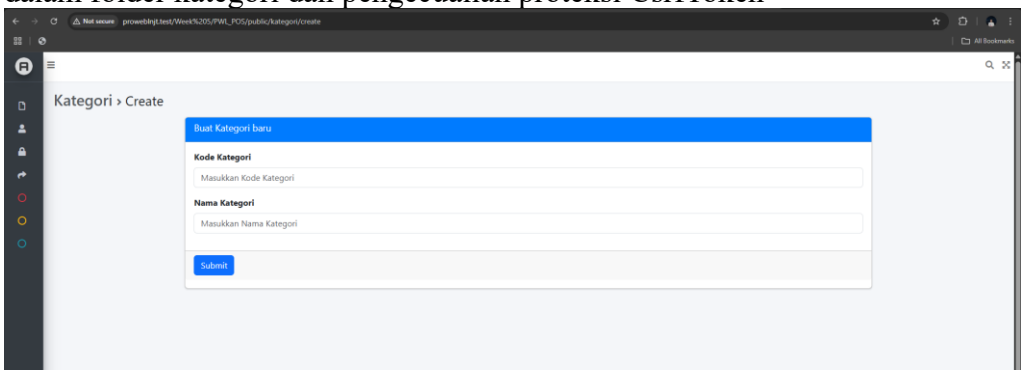
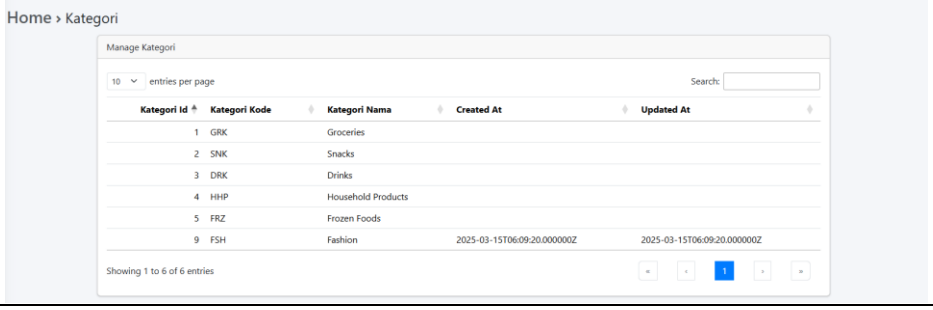
```
D:\KULIAH\SEMESTER-4\file\laragon\www\PROWEBLNJT\Week 5\PWL_POS>npm install -D sass

added 15 packages, and audited 63 packages in 18s

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. Jalankan dengan perintah npm run dev

```
VITE v5.4.14  ready in 387 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
```

5.	Hasilnya: 

Praktikum 3 – Membuat form kemudian menyimpan data dalam database

No	Gambar dan Penjelasan
1.	Hasil dari penambahan function di KategoriController, file create.blade.php di dalam folder kategori dan pengecualian proteksi CsrfToken  - Menambahkan kategori fashion - Setelah dilakukannya submit create maka penambahan kategori akan muncul di menu kategori 

Tugas Praktikum

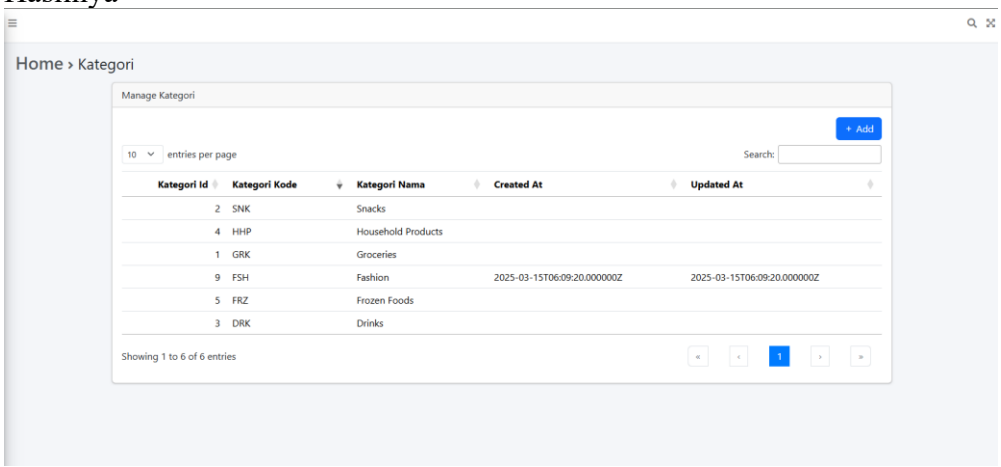
1. Tambahkan button Add di halam manage kategori, yang mengarah ke create kategori baru
   - Kategori/index.blade.php

```php
@extends('layouts.app')

@section('subtitle', 'Kategori')
@section('content_header_title', 'Home')
@section('content_header_subtitle', 'Kategori')


@section('content')
    <div class="container">
        <div class="card">
            <div class="card-header">Manage Kategori</div>
            <div class="card-body">
                <div class="d-flex justify-content-between align-items-center">
                    <a href="{{ route('kategori.create') }}" class="btn btn-primary ms-auto">
                    <i class="bi bi-plus"></i>  Add</a>
                </div>
                {{ $dataTable->table() }}
            </div>
        </div>
    </div>
@endsection

@push('scripts')
    {{ $dataTable->scripts() }}
@endpush
```

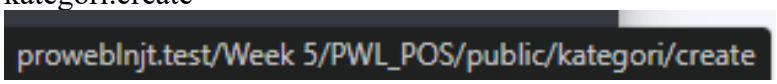
   - Routes/web.php

```php
Route::get('/kategori/create', [KategoriController::class, 'create'])->name('kategori.create');
Route::post('/kategori', [KategoriController::class, 'store'])->name('kategori.store');
```

   - Hasilnya



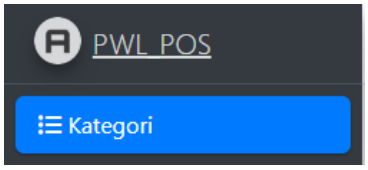
Ketika tombol add dipencet maka akan otomatis mendirect ke kategori.create



2. Tambahkan menu untuk halaman manage kategori, di daftar menu navbar
   - Config/adminite.php

```php
'menu' => [
    // Navbar items:
    [
        'type' => 'navbar-search',
        'text' => 'search',
        'topnav_right' => true,
    ],
    [
        'type' => 'fullscreen-widget',
        'topnav_right' => true,
    ],
    [
        'text' => 'Kategori',
        'url' => 'kategori',
        'icon' => 'fas fa-list-ul',
    ],
```

   - Hasil



3. Tambahkan action edit di datatables dan buat halaman edit serta controllernya
   - Menambahkan kolom action dan tombol edit berdasarkan id pada KategoriDataTable.php

```php
public function dataTable(QueryBuilder $query): EloquentDataTable
{
    return (new EloquentDataTable($query))
        ->addColumn('action', function ($row): string {
            $editUrl = route(name: 'kategori.edit', parameters: ['id' => $row->kategori_id]);
            return '<a href="' . $editUrl . '" class="btn btn-warning btn-sm">
                    <i class="bi bi-pencil"></i> Edit
                </a>';
        })
        ->rawColumns(['action'])
        ->setRowId('id');
}
```

Menambahkan Column::computed('action') yang digunakan untuk menampilkannya pada browser melalui function getColumns()

```php
public function getColumns(): array
{
    return [
        // Column::computed('action')
        //       ->exportable(false)
        //       ->printable(false)
        //       ->width(60)
        //       ->addClass('text-center'),
        Column::make('kategori_id'),
        Column::make('kategori_kode'),
        Column::make('kategori_nama'),
        Column::make('created_at'),
        Column::make('updated_at'),
        Column::computed('action')
          ->exportable(false)
          ->printable(false)
          ->width(100)
          ->addClass('text-center'),
    ];
}
```

- Menambahkan function edit dan update pada KategoriController.php

```
1 reference | 0 overrides
public function edit($id): Factory|View
{
    $kategori = KategoriModel::findOrFail($id);
    return view(view: 'kategori.edit', data: compact(var_name: 'kategori'));
}

1 reference | 0 overrides
public function update(Request $request, $id): mixed|RedirectResponse
{
    $kategori = KategoriModel::findOrFail($id);
    $kategori->update([
        'kategori_kode' => $request->kodeKategori,
        'kategori_nama' => $request->namaKategori,
    ]);
    return redirect(to: '/kategori')->with('success', 'Kategori berhasil diperbarui');
}
```

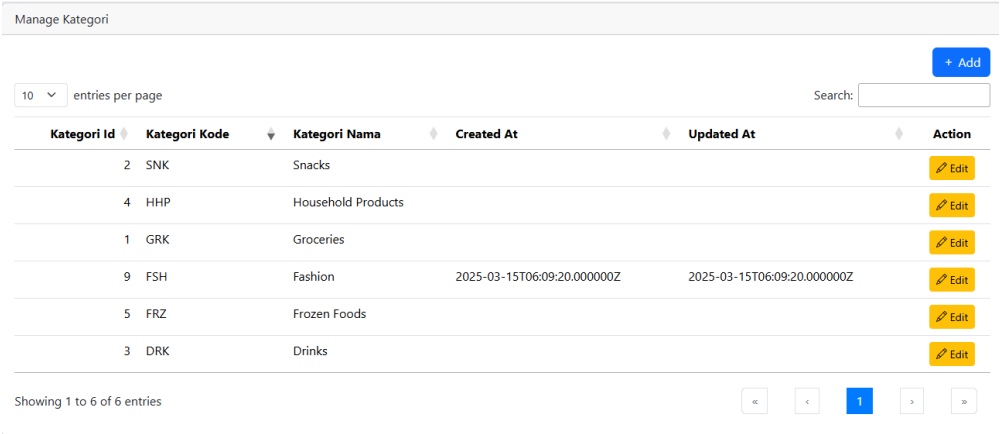
- Menambahkan Routing

```
//route edit
Route::get('/kategori/{id}/edit', [KategoriController::class, 'edit'])->name('kategori.edit');
Route::post('/kategori/{id}', [KategoriController::class, 'update'])->name('kategori.update');
Route::put('/kategori/{id}', [KategoriController::class, 'update'])->name('kategori.update');
Route::get('/kategori', [KategoriController::class, 'index'])->name('kategori.index');
```

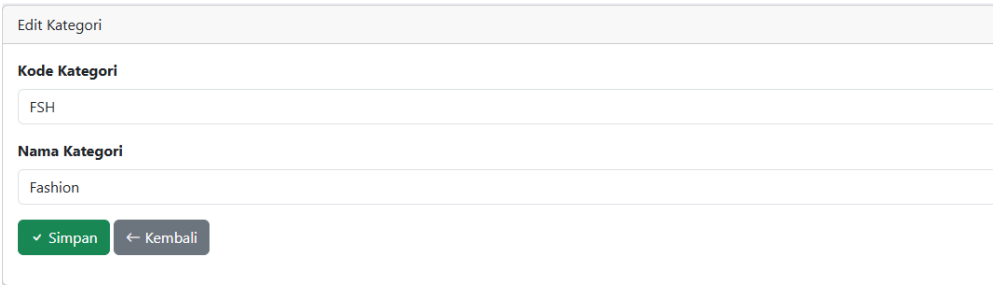
- Membuat file edit.blade.php di dalam views/kategori untuk menu pengeditan

```
@extends('layouts.app')

@section('subtitle', 'Edit Kategori')
@section('content_header_title', 'Home')
@section('content_header_subtitle', 'Edit Kategori')

@section('content')
    <div class="container">
        <div class="card">
            <div class="card-header">Edit Kategori</div>
            <div class="card-body">
                <form action="{{ route(name: 'kategori.update', parameters: $kategori->kategori_id) }}" method="POST">
                    @csrf
                    @method('PUT')

                    <div class="mb-3">
                        <label for="kodeKategori" class="form-label">Kode Kategori</label>
                        <input type="text" class="form-control" id="kodeKategori" name="kodeKategori"
                            value="{{ $kategori->kategori_kode }}" required>
                    </div>
                    <div class="mb-3">
                        <label for="namaKategori" class="form-label">Nama Kategori</label>
                        <input type="text" class="form-control" id="namaKategori" name="namaKategori"
                            value="{{ $kategori->kategori_nama }}" required>
                    </div>
                    <button type="submit" class="btn btn-success">
                        <i class="bi bi-check"></i> Simpan
                    </button>
                    <a href="{{ route(name: 'kategori.index') }}" class="btn btn-secondary">
                        <i class="bi bi-arrow-left"></i> Kembali
                    </a>
                </form>
            </div>
        </div>
    </div>
@endsection
```

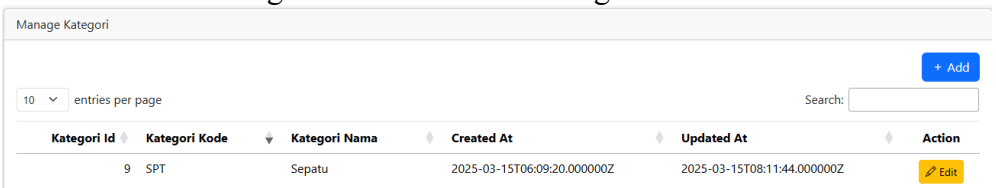
- Hasil



Form edit ketika tombol edit dipencet



Disini mencoba mengedit nama dan kode kategori dan berhasil



4. Tambahkan action delete di datatables serta controllernya
   - Menambahkan $deleteUrl di KategoriController.php

```
->addColumn('action', function ($row): string {
    $editUrl = route(name: 'kategori.edit', parameters: ['id' => $row->kategori_id]);
    $deleteUrl = route(name: 'kategori.destroy', parameters: ['id' => $row->kategori_id]);

    return '<a href="' . $editUrl . '" class="btn btn-warning btn-sm">
            <i class="bi bi-pencil"></i> Edit
        </a>
        <form action="' . $deleteUrl . '" method="POST" style="display:inline;" onsubmit="return confirm(\'Yakin ingin menghapus kategori ini?\');">
            ' . csrf_field() . '
            ' . method_field(method: 'DELETE') . '
            <button type="submit" class="btn btn-danger btn-sm">
                <i class="bi bi-trash"></i> Delete
            </button>
        </form>';
})
```

   - Menambahkan route untuk delete

```
//route delete
Route::delete('/kategori/{id}', [KategoriController::class, 'destroy'])->name('kategori.destroy');
```

   - Menambahkan method di KategoriController.php

```
public function destroy($id): RedirectResponse
{
    $kategori = KategoriModel::where('kategori_id', $id)->firstOrFail();
    $kategori->delete();
    return redirect()->route('kategori.index')->with('success', 'Kategori berhasil dihapus');
}
```

- Hasil

Manage Kategori

+ Add

10 entries per page Search:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At	Action
9	SPT	Sepatu	2025-03-15T06:09:20.000000Z	2025-03-15T08:11:44.000000Z	Edit Delete
2	SNK	Snacks			Edit Delete
4	HHP	Household Products			Edit Delete
1	GRK	Groceries			Edit Delete
5	FRZ	Frozen Foods			Edit Delete
3	DRK	Drinks			Edit Delete

Showing 1 to 6 of 6 entries « ‹ 1 › »

Disini saya mencoba menghapus data pada kategori id 9

Manage Kategori

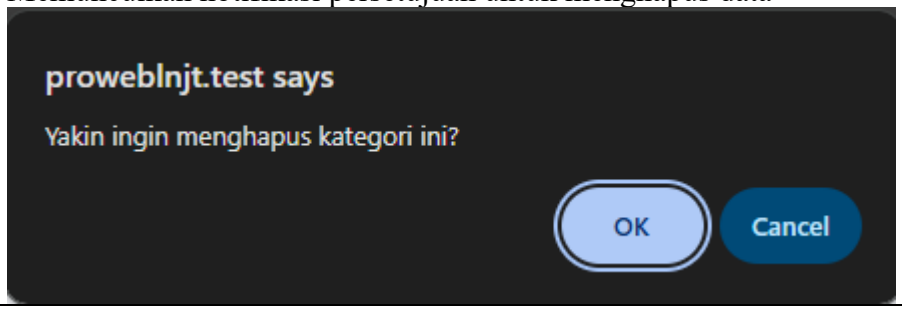
+ Add

10 entries per page Search:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At	Action
9	SPT	Sepatu	2025-03-15T06:09:20.000000Z	2025-03-15T08:11:44.000000Z	Edit Delete
2	SNK	Snacks			Edit Delete
4	HHP	Household Products			Edit Delete
1	GRK	Groceries			Edit Delete
5	FRZ	Frozen Foods			Edit Delete
3	DRK	Drinks			Edit Delete

Showing 1 to 6 of 6 entries 1 row selected « ‹ 1 › »

Memunculkan notifikasi persetujuan untuk menghapus data



Hasil akhirnya

Manage Kategori

+ Add

10 entries per page

Search:

Kategori Id	Kategori Kode	Kategori Nama	Created At	Updated At	Action
2	SNK	Snacks			Edit Delete
4	HHP	Household Products			Edit Delete
1	GRK	Groceries			Edit Delete
5	FRZ	Frozen Foods			Edit Delete
3	DRK	Drinks			Edit Delete

Showing 1 to 5 of 5 entries

« ‹ 1 › »