LAPORAN JOBSHEET 5 PEMROGRAMAN WEB LANJUT

Blade View, Web Templating(AdminLTE), Datatables

Dosen pengajar: Dimas Wahyu Wibowo, ST., MT



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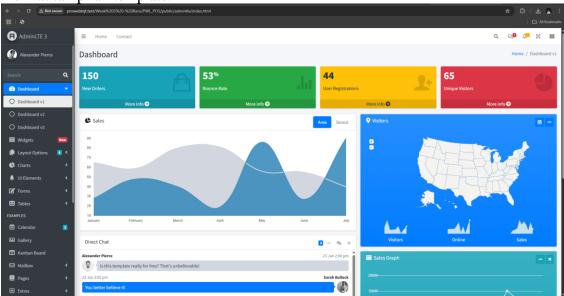
No : 16

PRODI TEKNIK INFORMATIKA D-IV JURUSAN TEKNOLOGI INFORMASI POLITEKNIK NEGERI MALANG

Praktikum 1 - Layouting AdminLTE

- 1. Download AdminLTE v3.2.0 dari situs resmi: AdminLTE (rilis 8 Februari 2022).
- 2. Ekstrak file yang telah diunduh ke folder PWL_POS/public, lalu rename folder menjadi adminlte.

3. Buka browser dan akses http://localhost/PWL_POS/public/adminite untuk melihat tampilan template.



- 4. Klik menu Extras > Blank Page, halaman ini akan digunakan sebagai dasar web template.
- 5. Klik kanan pada halaman Blank Page dan pilih View Page Source.
- 6. Copy source code halaman tersebut dan paste ke file PWL_POS/resources/views/layouts/template.blade.php (buat folder layouts jika belum ada).
- 7. Pisahkan layout menjadi beberapa file di resources/views/layouts/:
 - Modifikasi 1-14 pada template.blade.php

- Cut baris 19-153 (header) dan pindahkan ke layouts/header.blade.php.

pada template.blade.php

```
<!-- Navbar -->
@include(view: 'layouts.header')
<!-- /.navbar -->
```

- Cut baris 31-693 (sidebar) dan pindahkan ke layouts/sidebar.blade.php.

pada template.blade.php

- Cut baris 87-98 (footer) dan pindahkan ke layouts/footer.blade.php.

pada template.blade.php

- Cut baris 38-52 (breadcrumb) dan pindahkan ke layouts/breadcrumb.blade.php.

pada template.blade.php

```
<!-- Content Wrapper. Contains page content -->
<div class="content-wrapper">
  <!-- Content Header (Page header) -->
  @include(view: 'layouts.breadcrumb')
```

8. Modifikasi bagian konten di template.blade.php dengan @yield('content') untuk membuatnya dinamis.

```
40 <!-- Main content -->
41 <section class="content">
42 @yield('content')
43 </section>
```

9. Commit dan push hasil kerja ke GitHub.

Praktikum 2 - Penerapan Layouting

1. Buat WelcomeController.php untuk mengatur tampilan awal.

2. Buat file resources/views/welcome.blade.php dan extend dari template.blade.php.

- 3. Modifikasi breadcrumb.blade.php dan sidebar.blade.php untuk menyesuaikan tampilan.
 - breadcrumb.blade.php

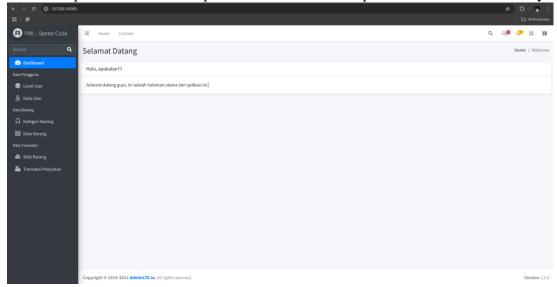
- sidebar.blade.php

```
div class="sideba
 <div class="form-inline mt-2";</pre>
  Sidebar Menu -->
 <nav class="mt-2">
   Oashboard
    Data Pengguna
 <i class="nav-icon fas fa-layer-group"></i></i>
       Level User
 <i class="nav-icon far fa-user"></i></i>
       Data User
    Data Barang
    class="nav-item">
      'kategori') ? 'active'
       <i class="nav-icon far fa-bookmark"></i></i>
       Kategori Barang
    <a href="{{ url(path: '/barang') }}" class="nav-link {{ ($activeMenu ==</pre>
       tive' : '' }} ">
<i class="nav-icon far fa-list-alt"></i>
       Oata Barang
    Data Transaksi
 Stok Barang
    'active' : '' }} ">
<i class="nav-icon fas fa-cash-register"></i>
       Transaksi Penjualan
```

4. Tambahkan route di web.php untuk menghubungkan controller dengan view.

```
// Welcome
Route::get('/', [WelcomeController::class, 'index']);
```

5. Jalankan aplikasi dan akses http://localhost/PWL_POS/public untuk melihat hasilnya.



6. Commit dan push perubahan ke GitHub.

Praktikum 3 – Implementasi jQuery Datatable di AdminLTE

 Gunakan library Yajra-datatable dengan mengetikkan perintah pada CMD composer require yajra/laravel-datatables:^10.0 atau composer require yajra/laravel-datatablesoracle

```
D:\KULIAH\SEMESTER-4\file\laragon\www\PROWEBLNJT\Week 5 - Baru\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-buttons (v10.0.0)
- Locking yajra/laravel-datatables-buttons (v10.0.0)
- Locking yajra/laravel-datatables-editor (v1.25.4)
- Locking yajra/laravel-datatables-fractal (v10.0.0)
- Locking yajra/laravel-datatables-fractal (v10.11.4)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 7 installs, 0 updates, 0 removals
- Installing yajra/laravel-datatables-oracle (v10.11.4): Extracting archive
- Installing yajra/laravel-datatables-button (v10.0.0): 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-editor (v1.25.4): Extracting archive
- Installing yajra/laravel-datatables-buttons (v10.0.9): Extracting archive
- Installing yajra/laravel-datatables-pade (v10.0.0)
- Installi
```

2. Modifikasi web.php

```
// User
Route::group(['prefix' => 'user'], function (): void {
    Route::get('/', [UserController::class, 'index']); // menampilkan halaman awal user
    Route::post('/list', [UserController::class, 'list']); // menampilkan data user dalam bentuk json untuk datatables
    Route::get('/create', [UserController::class, 'create']); // menampilkan halaman form tambah user
    Route::post('/', [UserController::class, 'store']); // menampilkan data user baru
    Route::get('/fid)', [UserController::class, 'show']); // menampilkan datai user
    Route::put('/fid)', [UserController::class, 'dit']); // menyimpan perubahan data user
    Route::delete('/fid)', [UserController::class, 'destroy']); // menghapus data user
}};
```

3. Buat atau modifikasi UserController.php untuk menangani CRUD data user.

4. Buat view resources/views/user/index.blade.php yang menggunakan DataTables.

5. Modifikasi file template.blade.php untuk menambahkan library jquery datatables

```
clocTYPE html
chead lange"m">
chead.

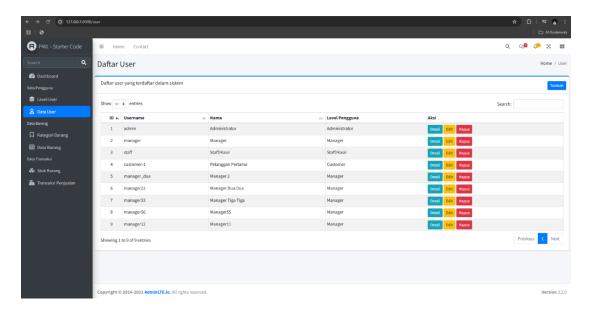
cmeta charset="uff-8">
cmeta mame="viewport" content="width=device-width, initial-scale=1">
cmitales(exy: 'app.name', default: 'PML Laravel Starter (ode') })</title>

cmeta mame="csrf-token" content="{{ csrf_token() }}"> cl- untuk mengiris token laravel CSRF pada setiap request ajax -->

cl- Google Font: Source Sans Pro -->
clink rel="stylesheet" href="https://fonts.googleapis.com/css?family=Source=Sans+Pro:380,480,4808,708&display=fallback">
cl- Font Amesome -->
clink rel="stylesheet" href="{{ asset(path: 'adminite/plugins/fontawesome-free/css/all.min.css'})}">
clink rel="stylesheet" href="{{ asset(path: 'adminite/plugins/datatables-bs4/css/dataTables.bootstrapd.min.css'}}">
clink rel="stylesheet" href="{{ asset(path: 'adminite/plugins/datatables-bs4/css/dataTables.bootstrapd.min.css'}}">
clink rel="stylesheet" href="{{ asset(path: 'adminite/plugins/datatables-buttons/css/buttons.bootstrapd.min.css'}}">
clink rel="stylesheet" href="{{ asset(path: 'adminite/plugins/datatables/css/adminite.min.css'}}">
clink rel="stylesheet" href="{{ asset(path: 'adminite/plugins/datatables/jouery.dataTables.min.js'}}">
clink rel="stylesheet" href="{{ asset(path: 'adminite/plugins/datatables/jouery.dataTables.min.js'}}">
clink rel="stylesheet" href="{{ asset(path: 'adminite/plugins/datatables-buttons/sylotatables.min.js'}}">
clink rel="stylesheet" href="{{ asset(path: 'adminite/plugins/datatables-buttons/sylotatables.min.js'}}">
clink rel="stylesheet" href="{{ asset(path: 'adminite/plugins/datatables-buttons/sylotatables.min.js'}}">
```

6. Modifikasi list() di UserController.php untuk menampilkan data dalam format JSON.

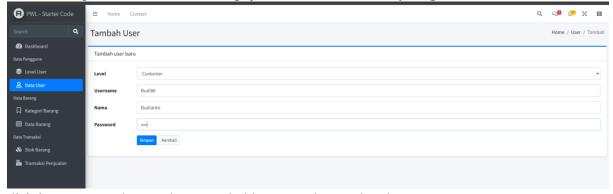
7. Jalankan aplikasi, akses http://localhost/PWL_POS/public/user dan amati hasilnya.



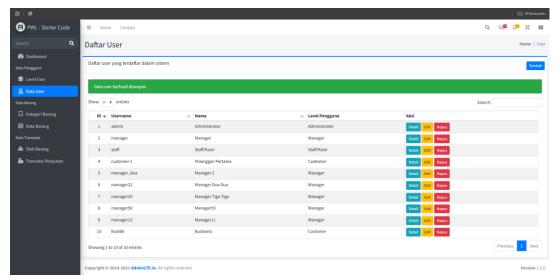
8. Modifikasi UserController.php, Buat view resources/views/user/create.blade.php untuk menampilkan form tambah user, menambahfungsi store().

```
. Class= col-11 >
     <input type="text" class="form-control" id="nama" name="nama" value="{{ old(key: 'nama') }}" required>
@error('nama')
         <small class="form-text text-danger">{{ $message }}</small>
     input type="password" class="form-control" id="password" name="password" required>
       @error('password')
| <small class="form-text text-danger">{{ $message }}</small>
      ıdpush
Jsh('js')
```

Ketika mengklik tombol tambah di pojok kanan, maka hasilnya seperti ini



disini saya mencoba untuk menambahkan user dengan level customer, username Budi86, dengan nama Budiono dan menambahkan password. Setelah ditambahkan akan dialihkan ke halaman user kembali



akan muncul notifikasi data user berhasil disimpan, dan data yang sebelumnya kita tambahkan akan ditampilkan.

9. Buat/modifikasi fungsi show() pada UserController.php, Buat view resources/views/user/show.blade.php untuk menampilkan detail user,

```
public function show(string $id): Factory|View
{
    $user = UserModel::with('level')->find($id);

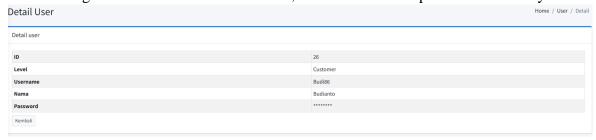
    $breadcrumb = (object) [
        'title' => 'Detail User',
        'list' => ['Home', 'User', 'Detail']
];

$page = (object) [
        'title' => 'Detail user'
];

$activeMenu = 'user'; // set menu yang sedang aktif

return view(view: 'user.show', data: [
        'breadcrumb' => $breadcrumb,
        'page' => $page,
        'user' => $user,
        'activeMenu' => $activeMenu
]);
```

Ketika mengklik tombol detail dikolom aksi, maka akan menampilkan detail usernya



10. Buat fungsi edit() dan update() pada UserController.php, Buat view resources/views/user/edit.blade.php untuk menampilkan form edit user,

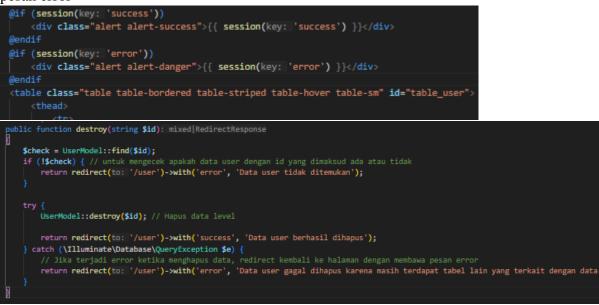
```
blic function edit(string $id): Factory|View
    $user = UserModel::find($id);
    $level = LevelModel::all();
    $breadcrumb = (object) [
         'title' => 'Edit User',
'list' => ['Home', 'User', 'Edit']
    $page = (object) [
    $activeMenu = 'user'; // set menu yang sedang aktif
return view(view: 'user.edit', data: [
         'breadcrumb' => $breadcrumb,
         'page' => $page,
         'user' => $user,
'level' => $level,
'activeMenu' => $activeMenu
public function update(Request $request, string $id): mixed RedirectResponse
    $request->validate([
        // username harus diisi, berupa string, minimal 3 karakter,
// dan bernilai unik di tabel m_user kolom username kecuali untuk user dengan id yang sedang diedit
         'username' => 'required|string|min:3|unique:m_user,username,' . $id . ',user_id',
'nama' => 'required|string|max:100', // nama harus diisi, berupa string, dan maksimal 100 karakter
         'password' => 'nullable|min:5', // password bisa diisi (minimal 5 karakter) dan bisa tidak diisi
'level_id' => 'required|integer' // level_id harus diisi dan berupa angka
    UserModel::find($id)->update([
         'username' => $request->username,
         'nama' => $request->nama,
         'password' => $request->password ? bcrypt(value: $request->password) : UserModel::find($id)->password,
          'level_id' => $request->level_id
    return redirect(to: '/user')->with('success', 'Data user berhasil diubah');
     tion('content')

<div class="card card-outline card-primary";
         <div class="card-body":</pre>
                <a href="{{_url('user') }}" class="btn btn-sm btn-default mt-2">Kembali</a>
                 \label{localization} $$ \ensuremath{\mathsf{Corm}}$ \ensuremath{\mathsf{method}}$="POST" action="$$ $\{$ \ensuremath{\mathsf{url('/user/' . \$user-} = id)}$$ }$ $\}$ class="formhorizontal">$$ $$ \ensuremath{\mathsf{Corm}}$$ $$
                     {!! method_field('PUT') !!} <!-- tambahkan baris ini untuk proses edit yang butuh</pre>
                   <small class="form-text text-danger">{{ $message }}</small>
```

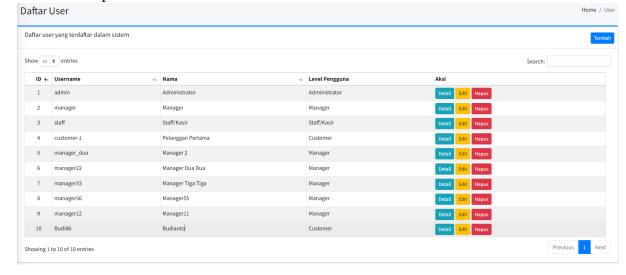
Ketika tombol edit diklik maka akan menampilkan form edit sesuai dengan usernya,



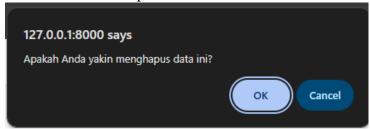
11. Buat fungsi destroy() pada UserController.php dan modifikasi file PWL/resources/views/user/index.blade.php untuk menambahkan tampilan jika ada pesan error



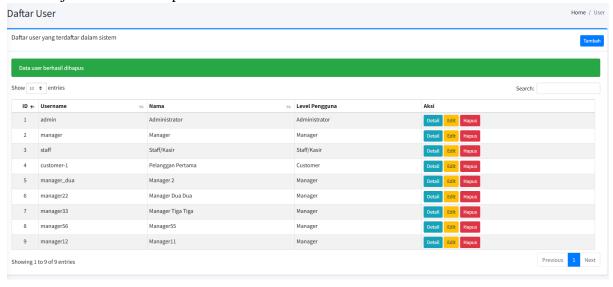
sebelum dihapus



akan muncul alert seperti ini



sesudah jika berhasil dihapus



12. Commit dan push perubahan ke GitHub.

Praktikum 4 – Implementasi Filtering Datatables

1. Modifikasi index() di UserController.php untuk menambahkan kategori untuk data filtering.

```
$level = LevelModel::all();
return view(view: 'user.index', data: ['breadcrumb' => $breadcrumb, 'page' => $page, 'level' => $level, 'activeMenu' => $activeMenu|
```

2. modifikasi view untuk menampilkan data filtering

3. deklarasi ajax di datatable

```
"type": "POST"

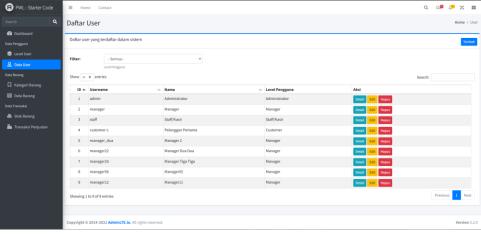
   "data": function (d) {
    d.level_id = $('#level_id').val();
}
```

4. edit pada bagian akhir script @push('js') untuk menambahkan listener jika data filtering dipilih

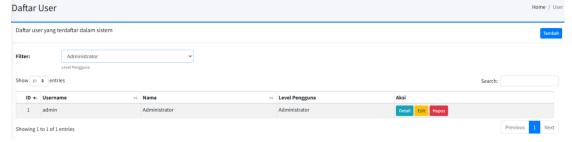
5. memodifikasi fungsi list() pada UserController.php

```
// Filter fata user by level_id
if ($request->level_id) {
    $users->where('level_id', $request->level_id);
}
```

6. Jalankan aplikasi dan uji fitur filtering.



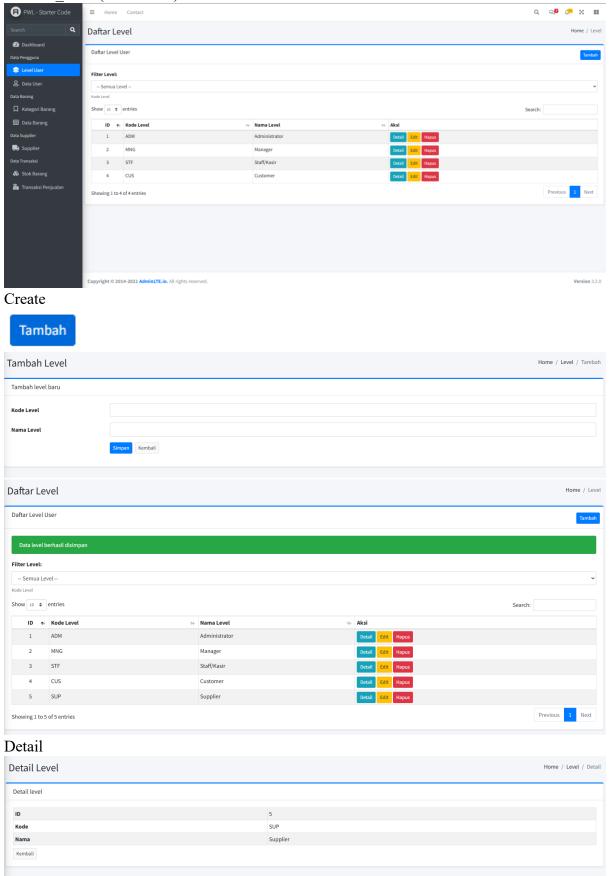
Contoh pemfilteran



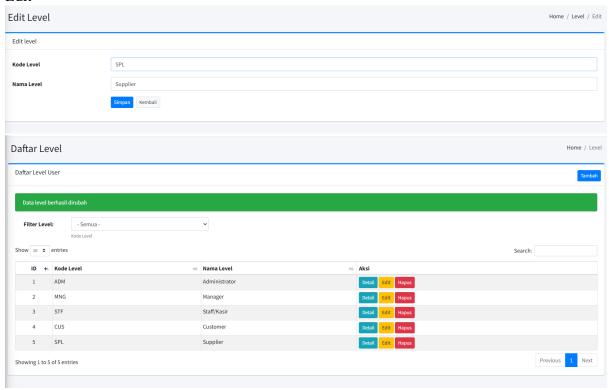
7. Commit dan push perubahan ke GitHub.

TUGAS

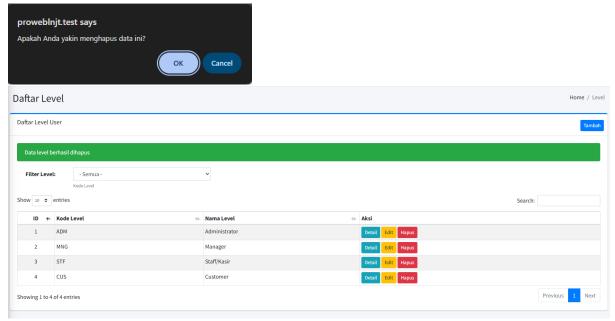
1. Tabel m level (Dashboard)



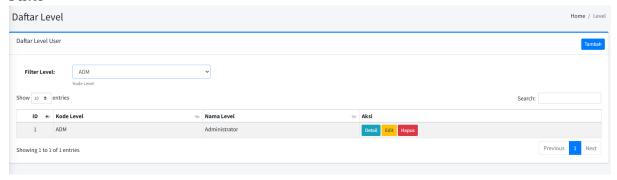
Edit



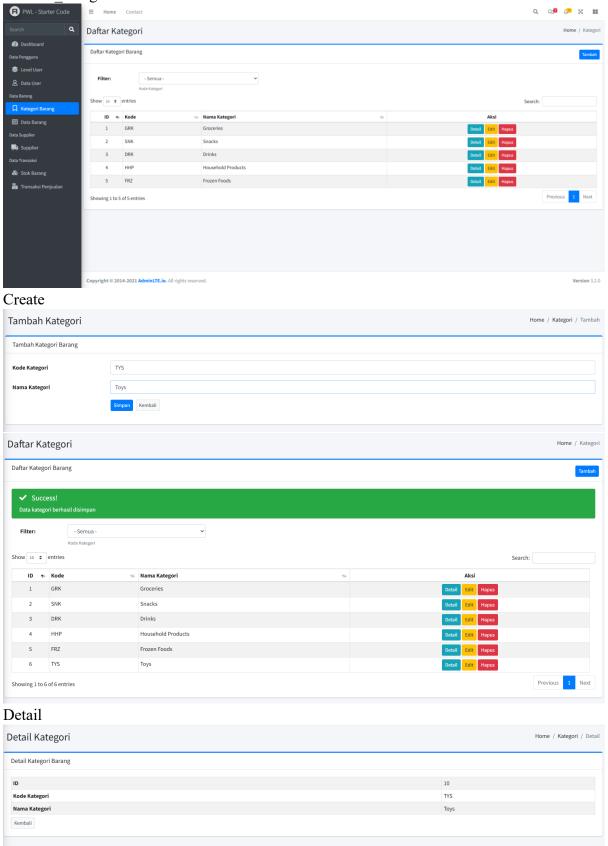
Delete

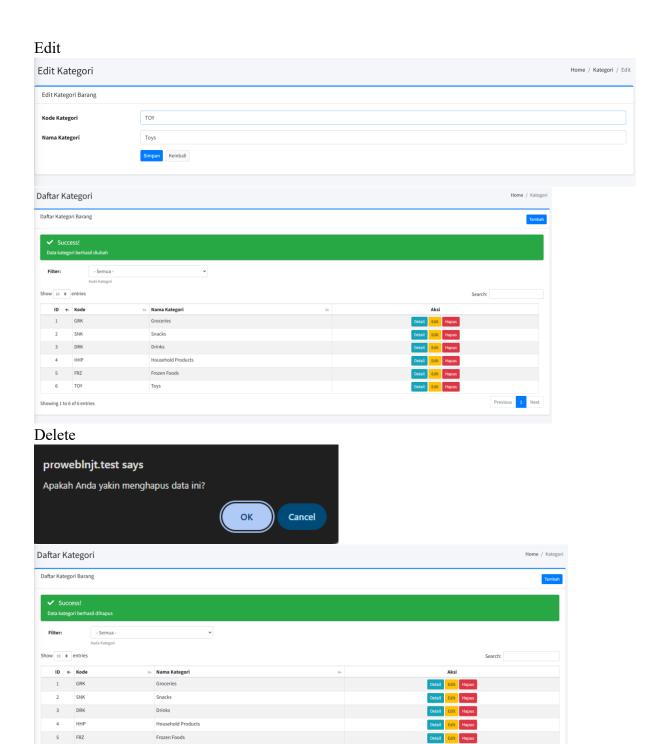


Filter



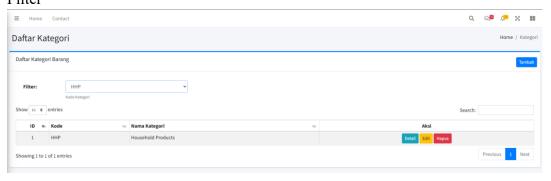
2. Tabel m_kategori



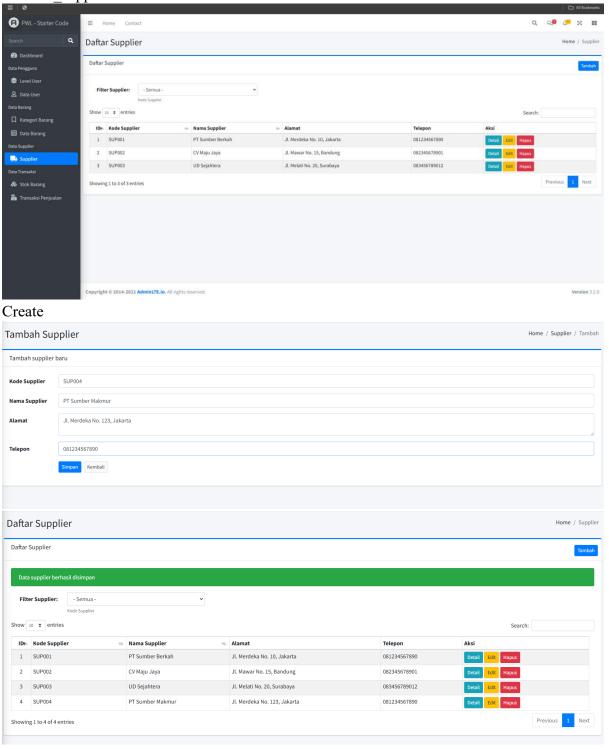


Filter

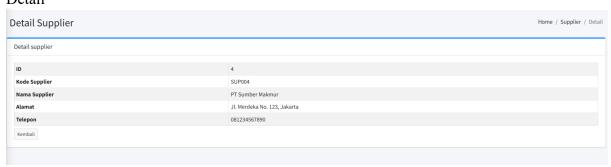
Showing 1 to 5 of 5 entries



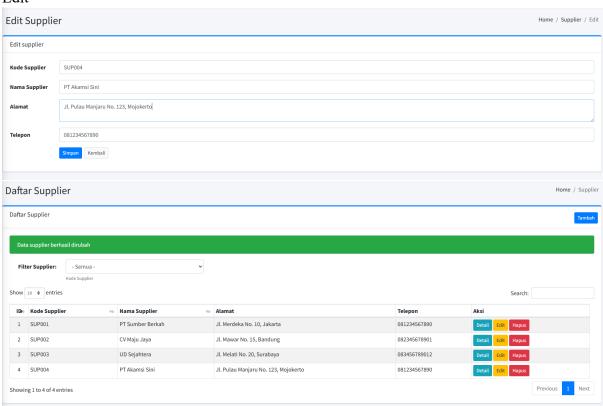
3. Tabel m_supplier



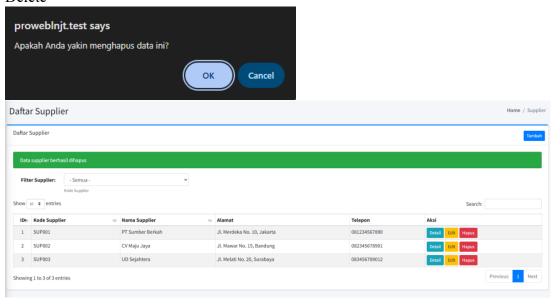
Detail



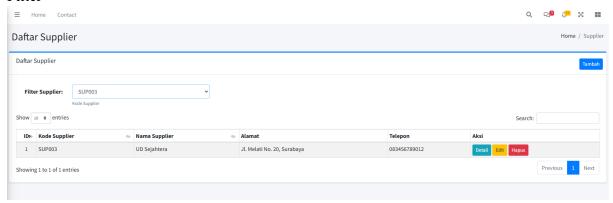
Edit



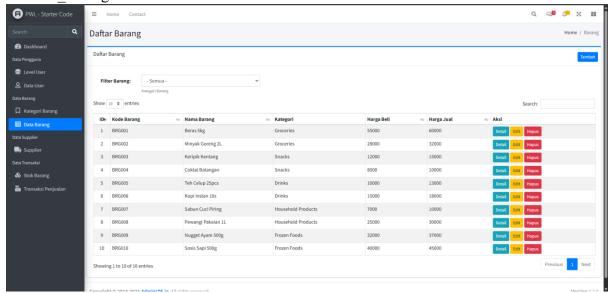
Delete



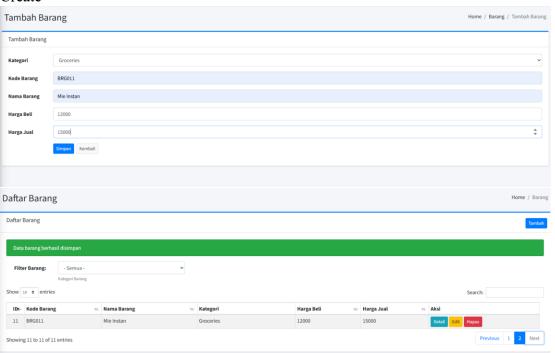
Filter



4. Tabel m_barang



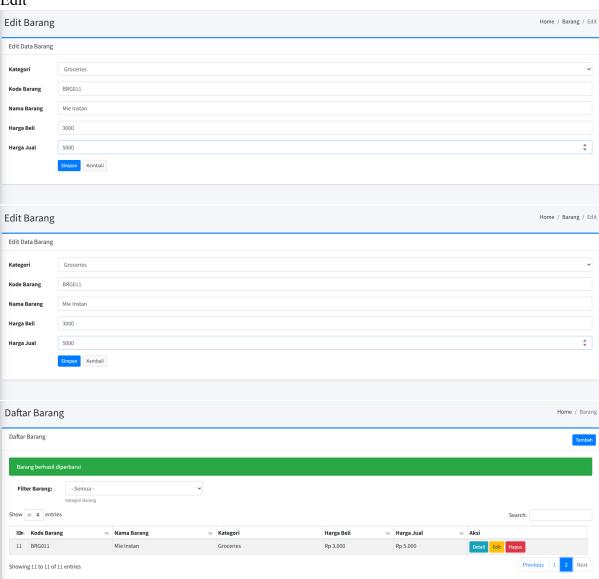
Create



Detail



Edit



Delete

