

LARAVEL  
**SISTEM INFORMASI INVENTORY KONSENTRASI KEAHLIAN SIJA**

**A. Latar Belakang**

Sistem Informasi adalah serangkaian komponen yang bekerja bersama untuk mengumpulkan, mengelola, menyimpan, memproses, dan menyebarkan informasi yang diperlukan untuk mendukung pengambilan keputusan dalam suatu organisasi atau entitas.

Sistem Inventory atau bisa juga disebut Inventaris adalah aktivitas logistik dari suatu instansi atau perusahaan yang berfokus pada sistem pengontrolan dan persediaan barang. Umumnya, di dalam pendataan inventory barang terdapat rincian nama, kode, serta stok barang tersebut. Terkadang, ada pula yang disertai dengan rincian harga pokok dan harga satuan.

Daftar inventory barang bisa dibuat sendiri secara manual menggunakan aplikasi pengolah data seperti Excel. Tetapi saat ini, kebanyakan pebisnis mulai beralih menggunakan software akuntansi yang sudah memiliki fitur persediaan otomatis, sebab dianggap lebih memudahkan.

Berdasarkan uraian di atas, kami bermaksud untuk merancang projek dengan judul “Sistem Informasi Inventory Konsentrasi Keahlian SIJA” dengan tujuan untuk mempermudah proses pengaturan barang dan alat yang ada dalam konsentrasi keahlian SIJA.

**B. Tujuan**

Tujuan yang hendak dicapai dalam projek ini adalah :

1. Merancang suatu sistem informasi inventory yang dilengkapi dengan fitur-fitur pendukung seperti hak pengeditan, otomatisasi dengan menggunakan trigger untuk memudahkan pengontrolan dan persediaan barang di SMKN 2 Depok.
2. Membangun laman yang berisi form form terkait sistem informasi inventory di SMKN 2 Depok.

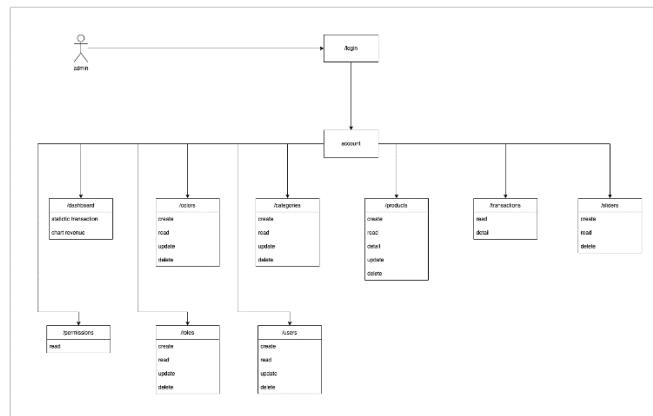
**C. Manfaat**

Beberapa manfaat yang akan didapatkan dari projek “Sistem Informasi Inventory” diantaranya sebagai berikut:

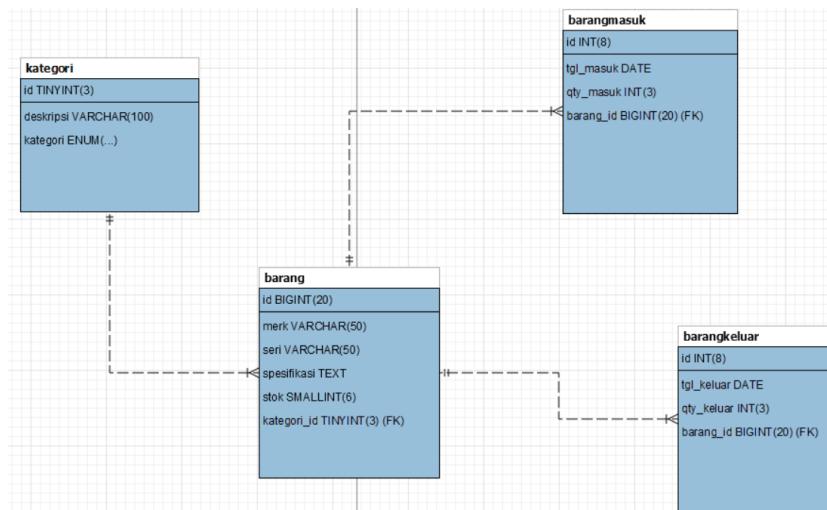
1. Dapat mempermudah kepala program keahlian untuk memantau keluar masuknya barang.

2. Membantu juru bengkel (jubenk) dalam menginput masukan dan keluaran dari barang inventory
3. Dapat meningkatkan efektivitas inventory dibandingkan dengan sistem inventory secara manual.

#### D. Desain Aplikasi



#### E. Skema Database



#### F. Skenario

Dalam rangka mencapai kualifikasi sebagai *web programmer* anda diminta untuk menyelesaikan tugas membuat aplikasi sistem inventory sekolah berbasis web menggunakan *framework* Laravel dengan ketentuan:

1. Sistem operasi : Linux Debian 12.0
- a. Hostname : jagokoding
- b. ServerName : laravelanas.test

- c. DocumentRoot : /var/www/lspp1
- 2. Layanan Server
  - a. Web Server : apache 2.4.57
  - b. Database Server : mariadb
  - c. Language Server Side : PHP 8.2.7
- 3. Software Tools : composer
- 4. PHP framework : laravel 10.28
- 5. Project Name : jagokoding
- 6. Database Account
  - a. Database Username : adminjago
  - b. Database Name : jagokoding
  - c. Database Password : 123
  - d. Database Hostname : localhost
  - e. Database User Privileges : All Privileges on jagokoding.\*
- 7. Web Admin Template : Bootstrap SB Admin 2  
<https://startbootstrap.com/theme/sb-admin-2>

## G. Langkah Kerja

### Mengkonfigurasi Database

- Membuat database jagokoding  
create database jagokoding;
- Membuat user jagokoding untuk mengakses database  
create user 'adminjago'@'localhost' identified by '123';
- Memberi privileges ke user jagokoding untuk mengakses database jagokoding  
grant all privileges on jagokoding.\* to 'adminjago'@'localhost';
- Kemudian  
flush privileges;

## Membuat Project Laravel

- `composer create-project Laravel/Laravel jagokoding`  
pada direktori `/var/www`

```
root@debian:~# cd /var/www/
root@debian:/var/www# composer create-project laravel/laravel jagokoding
Do not run Composer as root/super user! See https://getcomposer.org/root for details
Continue as root/super user [yes]? y
Creating a "laravel/laravel" project at "./jagokoding"
Installing laravel/laravel (v10.2.10)
  - Downloading laravel/laravel (v10.2.10)
```

## Konfigurasi Database Laravel

- Ubah konfigurasi database Laravel pada file `.env` di dalam direktori `jagokoding`, kemudian ganti sesuai dengan yang telah dibuat sebelumnya.

```
DB_CONNECTION=mysql
DB_HOST=127.0.0.1
DB_PORT=3306
DB_DATABASE=jagokoding
DB_USERNAME=adminjago
DB_PASSWORD=123
```

## Membuat Struktur table dengan Migration

### 1. Membuat migration table barang

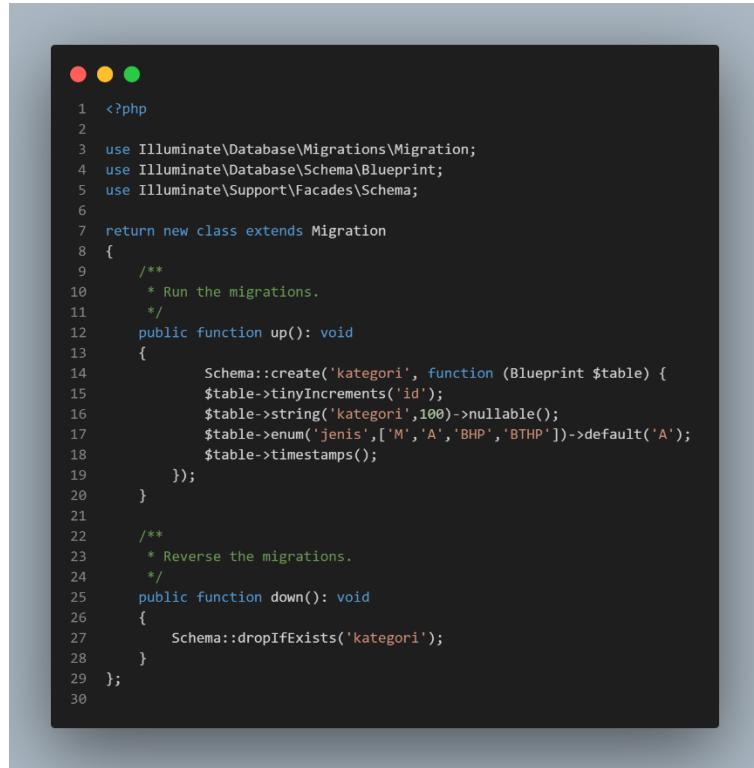
```
php artisan make:migration create_barang_table --  
create=barang
```



```
1 <?php  
2  
3 use Illuminate\Database\Migrations\Migration;  
4 use Illuminate\Database\Schema\Blueprint;  
5 use Illuminate\Support\Facades\Schema;  
6  
7 return new class extends Migration  
8 {  
9     /**  
10      * Run the migrations.  
11      */  
12     public function up(): void  
13     {  
14         Schema::create('barang', function (Blueprint $table) {  
15             $table->id();  
16             $table->string('merk', 50)->nullable();  
17             $table->string('seri', 50)->nullable();  
18             $table->text('spesifikasi')->nullable();  
19             $table->smallInteger('stok')->default(0);  
20             $table->tinyInteger('kategori_id')->unsigned();  
21             $table->foreign('kategori_id')->references('id')->on('kategori')  
22                 ->onUpdate('cascade')  
23                 ->onDelete('restrict');  
24             $table->string('foto')  
25                 ->nullable()  
26                 ->default(NULL);  
27             $table->timestamps();  
28         });  
29     }  
30  
31     /**  
32      * Reverse the migrations.  
33      */  
34     public function down(): void  
35     {  
36         Schema::dropIfExists('barang');  
37     }  
38 };  
39
```

## 2. Membuat migration table kategori

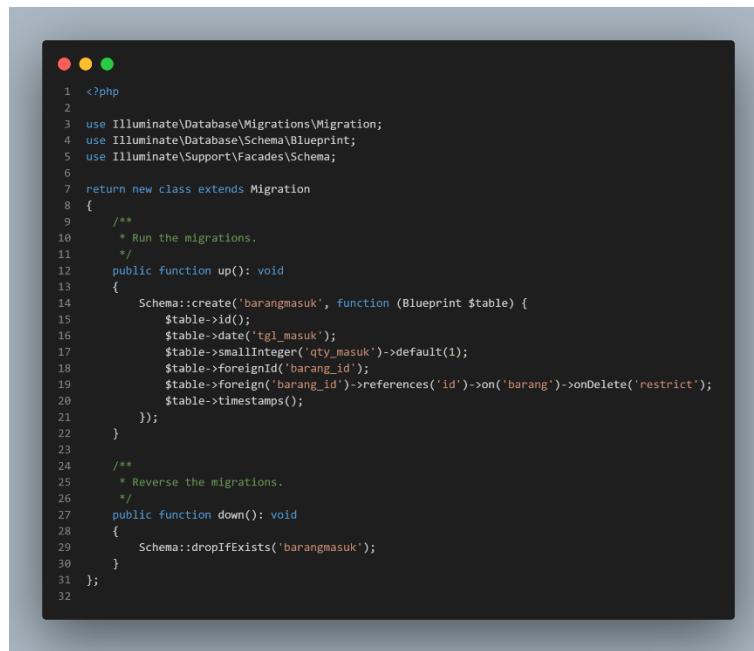
```
php artisan make:migration create_kategori_table --create=kategori
```



```
1 <?php
2
3 use Illuminate\Database\Migrations\Migration;
4 use Illuminate\Database\Schema\Blueprint;
5 use Illuminate\Support\Facades\Schema;
6
7 return new class extends Migration
8 {
9     /**
10      * Run the migrations.
11      */
12     public function up(): void
13     {
14         Schema::create('kategori', function (Blueprint $table) {
15             $table->tinyIncrements('id');
16             $table->string('kategori',100)->nullable();
17             $table->enum('jenis',['M','A','BHP','BTHP'])->default('A');
18             $table->timestamps();
19         });
20     }
21
22     /**
23      * Reverse the migrations.
24      */
25     public function down(): void
26     {
27         Schema::dropIfExists('kategori');
28     }
29 };
30
```

## 3. Membuat migration table barangmasuk

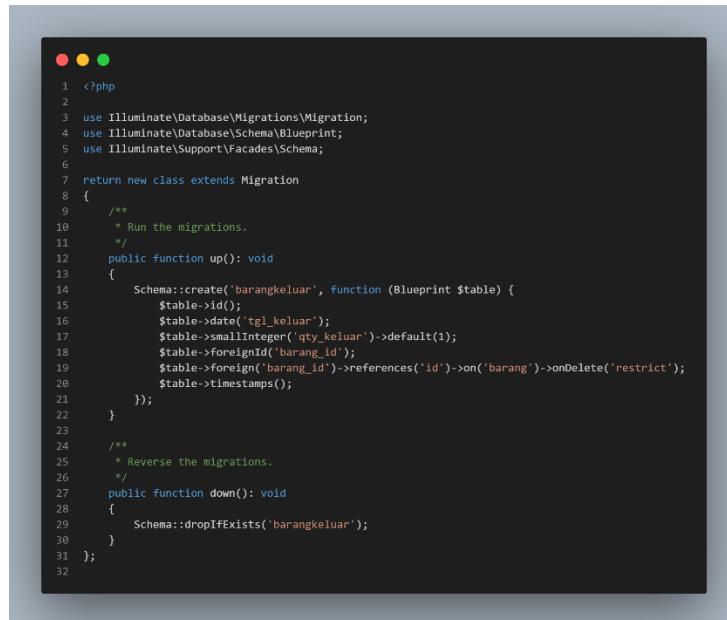
```
php artisan make:migration create_barangmasuk_table --create=barangmasuk
```



```
1 <?php
2
3 use Illuminate\Database\Migrations\Migration;
4 use Illuminate\Database\Schema\Blueprint;
5 use Illuminate\Support\Facades\Schema;
6
7 return new class extends Migration
8 {
9     /**
10      * Run the migrations.
11      */
12     public function up(): void
13     {
14         Schema::create('barangmasuk', function (Blueprint $table) {
15             $table->id();
16             $table->date('tgl_masuk');
17             $table->smallInteger('qty_masuk')->default(1);
18             $table->foreignId('barang_id');
19             $table->foreign('barang_id')->references('id')->on('barang')->onDelete('restrict');
20             $table->timestamps();
21         });
22     }
23
24     /**
25      * Reverse the migrations.
26      */
27     public function down(): void
28     {
29         Schema::dropIfExists('barangmasuk');
30     }
31 };
32
```

#### 4. Membuat migration table barangkeluar

```
php artisan make:migration create_barangkeluar_table  
--create=barangkeluar
```



```
1 <?php  
2  
3 use Illuminate\Database\Migrations\Migration;  
4 use Illuminate\Database\Schema\Blueprint;  
5 use Illuminate\Support\Facades\Schema;  
6  
7 return new class extends Migration  
8 {  
9     /**  
10      * Run the migrations.  
11     */  
12     public function up(): void  
13     {  
14         Schema::create('barangkeluar', function (Blueprint $table) {  
15             $table->id();  
16             $table->date('tgl_keluar');  
17             $table->smallInteger('qty_keluar')->default(1);  
18             $table->foreignId('barang_id');  
19             $table->foreign('barang_id')->references('id')->onDelete('restrict');  
20             $table->timestamps();  
21         });  
22     }  
23  
24     /**  
25      * Reverse the migrations.  
26     */  
27     public function down(): void  
28     {  
29         Schema::dropIfExists('barangkeluar');  
30     }  
31 };  
32
```

### Membuat Model

#### 1. Membuat model barang

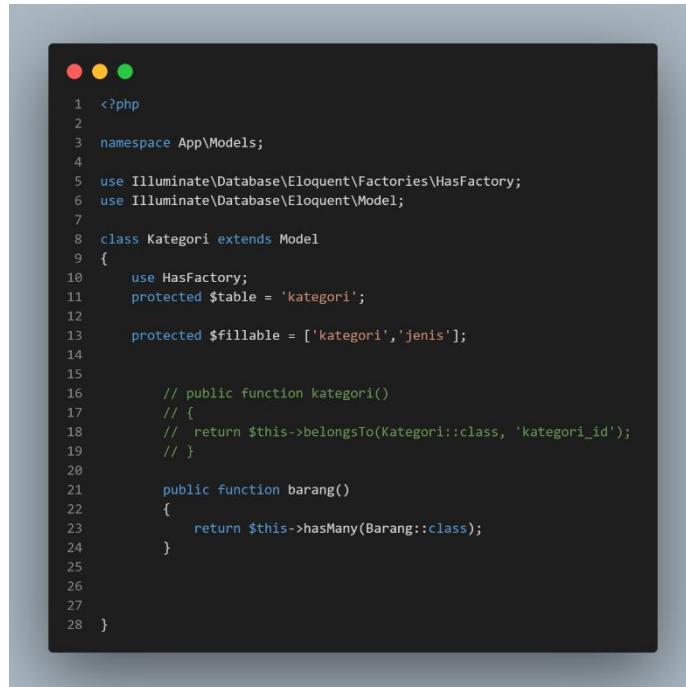
```
php artisan make:model Barang
```



```
1 <?php  
2  
3 namespace App\Models;  
4  
5 use Illuminate\Database\Eloquent\Factories\HasFactory;  
6 use Illuminate\Database\Eloquent\Model;  
7 use App\Models\Kategori;  
8  
9 class Barang extends Model  
10 {  
11     use HasFactory;  
12  
13     protected $table = 'barang';  
14  
15     protected $fillable = ['merk', 'seri', 'spesifikasi', 'stok', 'kategori_id', 'foto'];  
16  
17     public function kategori()  
18     {  
19         return $this->belongsTo(Kategori::class, 'kategori_id');  
20     }  
21  
22     public function barangkeluar()  
23     {  
24         return $this->hasMany(Barangkeluar::class);  
25     }  
26  
27     public function barangmasuk()  
28     {  
29         return $this->hasMany(Barangmasuk::class);  
30     }  
31 }  
32
```

## 2. Membuat model kategori

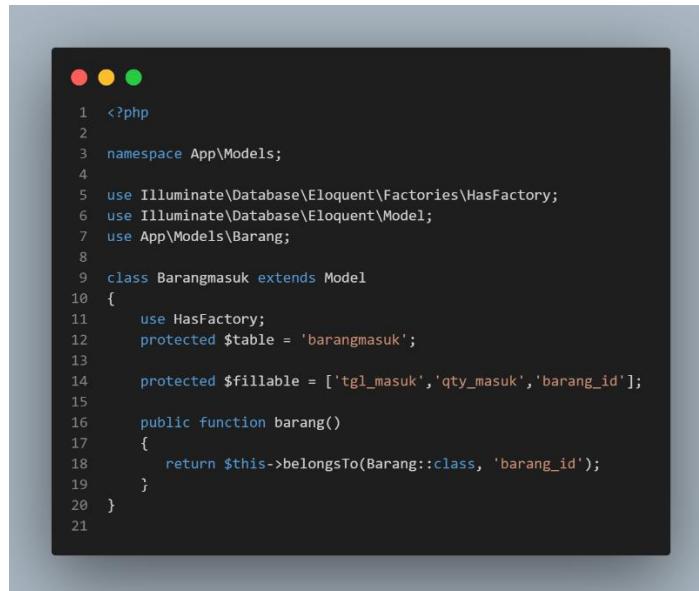
```
php artisan make:model Kategori
```



```
1 <?php
2
3 namespace App\Models;
4
5 use Illuminate\Database\Eloquent\Factories\HasFactory;
6 use Illuminate\Database\Eloquent\Model;
7
8 class Kategori extends Model
9 {
10     use HasFactory;
11     protected $table = 'kategori';
12
13     protected $fillable = ['kategori', 'jenis'];
14
15
16     // public function kategori()
17     // {
18     //     return $this->belongsTo(Kategori::class, 'kategori_id');
19     // }
20
21     public function barang()
22     {
23         return $this->hasMany(Barang::class);
24     }
25
26
27 }
28 }
```

## 3. Membuat model barangmasuk

```
php artisan make:model Barangmasuk
```



```
1 <?php
2
3 namespace App\Models;
4
5 use Illuminate\Database\Eloquent\Factories\HasFactory;
6 use Illuminate\Database\Eloquent\Model;
7 use App\Models\Barang;
8
9 class Barangmasuk extends Model
10 {
11     use HasFactory;
12     protected $table = 'barangmasuk';
13
14     protected $fillable = ['tgl_masuk', 'qty_masuk', 'barang_id'];
15
16     public function barang()
17     {
18         return $this->belongsTo(Barang::class, 'barang_id');
19     }
20 }
21
```

#### 4. Membuat model barangkeluar

```
php artisan make:model Barangkeluar
```

The screenshot shows a terminal window with a dark background and light-colored text. At the top, there are three colored window control buttons (red, yellow, green). Below them, the terminal output is as follows:

```
1 <?php
2
3 namespace App\Models;
4
5 use Illuminate\Database\Eloquent\Factories\HasFactory;
6 use Illuminate\Database\Eloquent\Model;
7 use App\Models\Barang;
8
9 class Barangkeluar extends Model
10 {
11     use HasFactory;
12     protected $table = 'barangkeluar';
13
14     protected $fillable = ['tgl_keluar', 'qty_keluar', 'barang_id'];
15
16     public function barang()
17     {
18         return $this->belongsTo(Barang::class, 'barang_id');
19     }
20 }
21
```

#### Membuat Controller

- Controller Barang

```
php artisan make:controller BarangController
```

```

1 <?php
2
3 namespace App\Http\Controllers;
4 use App\Model\Barang;
5 use App\Model\Kategori;
6 use Illuminate\Http\Request;
7 use Illuminate\Support\Facades\Validator;
8 use Illuminate\Support\Facades\URL;
9
10 class BarangController extends Controller
11 {
12
13     public function index(Request $request)
14     {
15         $barang = Barang::with('kategori')->latest()->paginate(50);
16
17         return view('barang.index', compact('barang'));
18         //with(' ', $request->input('page', 1) + 5);
19     }
20
21
22     /**
23      * Show the form for creating a new resource.
24      *
25      */
26     public function create()
27     {
28         $kategoris = Kategori::all();
29         return view('barang.create', compact('kategoris'));
30     }
31
32     /**
33      * Store a newly created resource in storage.
34      *
35      */
36     public function store(Request $request)
37     {
38         //remove barang;
39         $this->validate($request, [
40             'name'          => 'required',
41             'category_id'   => 'required',
42             'specifilast'   => 'required',
43             'rangkap_id'   => 'required|integer|exists:rangkap,id',
44             'foto'          => 'image|mimes:jpeg,png,gif,jpg|max:2048'
45         ]);
46
47         //upload image
48         $foto = $request->file('foto');
49         $foto->store('public/foto', $foto->hashName());
50
51         //create post
52         $barang = create([
53             'name'          => $request->name,
54             'category_id'   => $request->category_id,
55             'specifilast'   => $request->specifilast,
56             'rangkap_id'   => $request->rangkap_id,
57             'foto'          => $foto->hashName()
58         ]);
59
60         //redirect to index
61         return redirect()>>route('barang.index')->with(['success' => 'Data Berhasil Ditambah']);
62     }
63
64     /**
65      * Display the specified resource.
66      *
67      */
68     public function show(string $id)
69     {
70         $barang = Barang::find($id);
71
72         //return detailbarang;
73
74         //return view('barang.show', compact('barang'));
75     }
76
77     /**
78      * Show the form for editing the specified resource.
79      *
80      */
81     public function edit(string $id)
82     {
83         $barang = Barang::find($id);
84         $kategoris = Kategori::all();
85         $detilbarang = Barang::find($id);
86         $selectedKategori = Kategori::find($detilbarang->kategori_id);
87
88         return view('barang.edit', compact('barang', 'kategoris', 'selectedKategori'));
89     }
90
91     /**
92      * Update the specified resource in storage.
93      *
94      */
95     public function update(Request $request, string $id)
96     {
97         $this->validate($request, [
98             'name'          => 'required',
99             'category_id'   => 'required',
100            'specifilast'   => 'required',
101            'rangkap_id'   => 'required|integer|exists:rangkap,id',
102            'foto'          => 'image|mimes:jpeg,png,gif,jpg|max:2048'
103        ]);
104
105         $barang = Barang::find($id);
106
107         //check if image is uploaded
108         if ($request->hasFile('foto')) {
109
110             //upload new image
111             $foto = $request->file('foto');
112             $foto->store('public/foto', $foto->hashName());
113
114             //delete old image
115             Storage::delete('public/foto/' . $detilbarang->foto);
116
117             //update post with new image
118             $detilbarang->update([
119                 'name'          => $request->name,
120                 'category_id'   => $request->category_id,
121                 'specifilast'   => $request->specifilast,
122                 'rangkap_id'   => $request->rangkap_id,
123                 'foto'          => $foto->hashName()
124             ]);
125
126         } else {
127
128             //update post without image
129             $detilbarang->update([
130                 'name'          => $request->name,
131                 'category_id'   => $request->category_id,
132                 'specifilast'   => $request->specifilast,
133                 'rangkap_id'   => $request->rangkap_id,
134             ]);
135
136         }
137
138         // Redirect to the index page with a success message
139         return redirect()>>route('barang.index')->with(['success' => 'Data Berhasil Diubah']);
140     }
141
142     /**
143      * Remove the specified resource from storage.
144      *
145      */
146     public function destroy(string $id)
147     {
148
149         if (DB::table('barangmuat')->where('barang_id', $id)->exists()) {
150             DB::table('barangmuat')->where('barang_id', $id)->delete();
151         }
152
153         if (DB::table('barang')->where('barang_id', $id)->exists()) {
154             DB::table('barang')->where('barang_id', $id)->delete();
155
156             if ($request->isMethod('post')) {
157                 $detilbarang = Barang::find($id);
158                 $detilbarang->delete();
159
160                 return redirect()>>route('barang.index')->with(['success' => 'Data berhasil dihapus']);
161             }
162
163         }
164
165     }
166
167 }
```

- Controller Kategorien

```
php artisan make:controller KategoriController
```

```

1  Open
2
3  package App\Infrastructure\http
4
5  use Illuminate\Http\Request;
6  use Illuminate\Http\Response;
7  use Illuminate\Support\Facades\Lang;
8  use Illuminate\Support\Facades\Route;
9  use Illuminate\Support\Facades\Validator;
10 use Illuminate\Support\Facades\View;
11 use Illuminate\Support\Facades\Cookie;
12 use Illuminate\Support\Facades\Cookie\CookieJar;
13 use Illuminate\Support\Facades\Cookie\CookieJarInterface;
14
15 class CategoryController extends Controller
16 {
17
18     /**
19      * Create a new instance of the resource.
20      */
21     public function create()
22     {
23         $category = new Category();
24
25         $category->name = 'New Category';
26
27         $category->save();
28
29         return response()->json($category);
30     }
31
32     /**
33      * Update the specified resource in storage.
34      */
35     public function update(Request $request)
36     {
37
38         $category = Category::find($request->id);
39
40         $category->name = $request->name;
41
42         $category->update();
43
44         return response()->json($category);
45     }
46
47     /**
48      * Remove the specified resource from storage.
49      */
50     public function destroy(Request $request)
51     {
52
53         $category = Category::find($request->id);
54
55         $category->delete();
56
57         return response()->json(null);
58     }
59
60     /**
61      * Show the form for creating a new resource.
62      */
63     public function createForm()
64     {
65
66         $category = new Category();
67
68         $category->name = 'New Category';
69
70         $category->save();
71
72         return view('category.create', [
73             'category' => $category
74         ]);
75     }
76
77     /**
78      * Show the form for editing the specified resource.
79      */
80     public function editForm($id)
81     {
82
83         $category = Category::find($id);
84
85         $category->name = 'Edit Category';
86
87         $category->save();
88
89         return view('category.edit', [
90             'category' => $category
91         ]);
92     }
93
94     /**
95      * Remove the specified resource from storage.
96      */
97     public function deleteForm($id)
98     {
99
100        $category = Category::find($id);
101
102        $category->name = 'Delete Category';
103
104        $category->save();
105
106        return view('category.delete', [
107            'category' => $category
108        ]);
109    }
110
111    /**
112     * Create a new instance of the resource.
113     */
114    public function createCategory()
115    {
116
117        $category = new Category();
118
119        $category->name = 'New Category';
120
121        $category->save();
122
123        return response()->json($category);
124    }
125
126    /**
127     * Update the specified resource in storage.
128     */
129    public function updateCategory(Request $request)
130    {
131
132        $category = Category::find($request->id);
133
134        $category->name = $request->name;
135
136        $category->update();
137
138        return response()->json($category);
139    }
140
141    /**
142     * Remove the specified resource from storage.
143     */
144    public function destroyCategory(Request $request)
145    {
146
147        $category = Category::find($request->id);
148
149        $category->delete();
150
151        return response()->json(null);
152    }
153
154    /**
155     * Show the form for creating a new resource.
156     */
157    public function createCategoryForm()
158    {
159
160        $category = new Category();
161
162        $category->name = 'New Category';
163
164        $category->save();
165
166        return view('category.createCategory', [
167            'category' => $category
168        ]);
169    }
170
171    /**
172     * Show the form for editing the specified resource.
173     */
174    public function editCategoryForm($id)
175    {
176
177        $category = Category::find($id);
178
179        $category->name = 'Edit Category';
180
181        $category->save();
182
183        return view('category.editCategory', [
184            'category' => $category
185        ]);
186    }
187
188    /**
189     * Remove the specified resource from storage.
190     */
191    public function deleteCategoryForm($id)
192    {
193
194        $category = Category::find($id);
195
196        $category->name = 'Delete Category';
197
198        $category->save();
199
200        return view('category.deleteCategory', [
201            'category' => $category
202        ]);
203    }

```

- Controller Barangmasuk

```
php artisan make:controller BarangmasukController
```



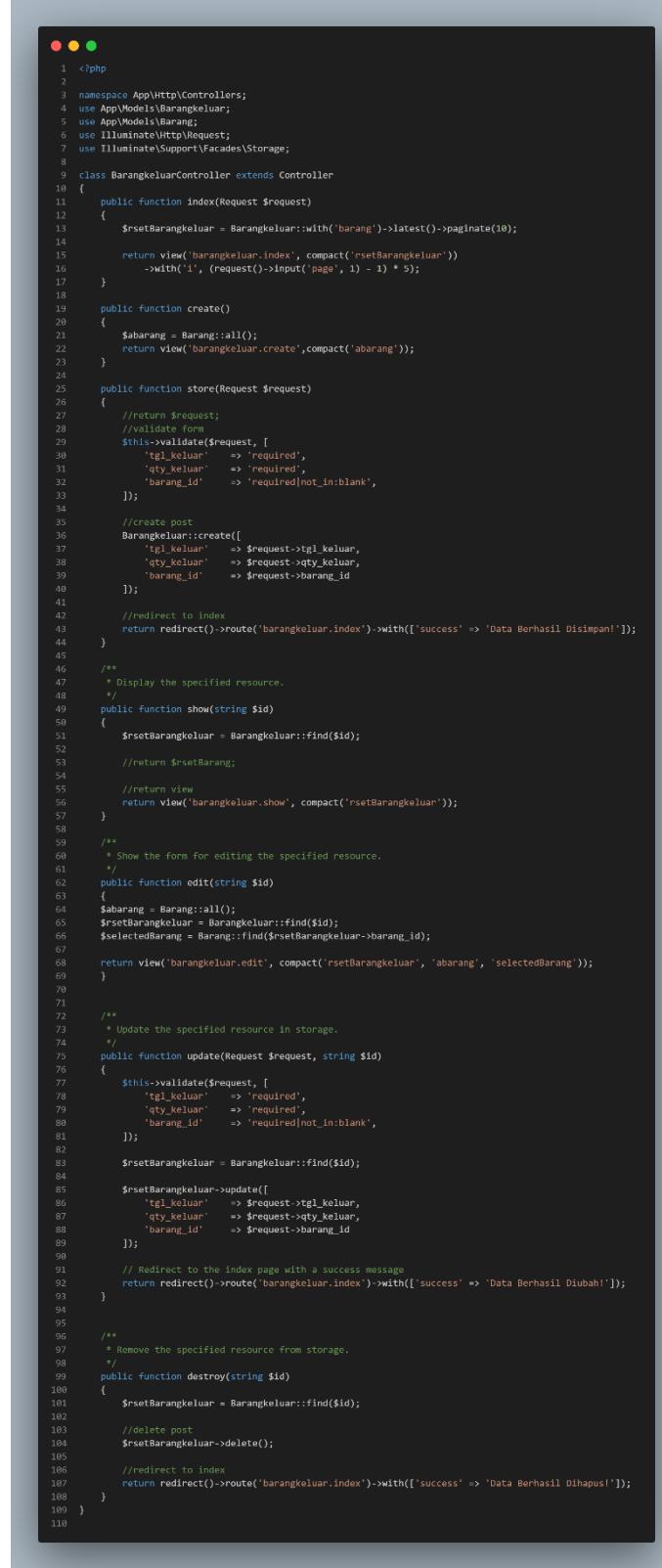
```

1 <?php
2
3 namespace App\Http\Controllers;
4 use App\Models\Barangmasuk;
5 use App\Models\Barang;
6 use Illuminate\Http\Request;
7 use Illuminate\Support\Facades\Storage;
8
9 class BarangmasukController extends Controller
10 {
11     public function index(Request $request)
12     {
13         $rsetBarangmasuk = Barangmasuk::with('barang')->latest()->paginate(10);
14
15         return view('barangmasuk.index', compact('rsetBarangmasuk')
16             ->with(''), ($request->input('page', 1) - 1) * 5);
17     }
18
19     public function create()
20     {
21         $barang = Barang::all();
22         return view('barangmasuk.create',compact('barang'));
23     }
24
25     public function store(Request $request)
26     {
27         //return $request;
28         //validate form
29         $this->validate($request, [
30             'tgl_masuk'    -> 'required',
31             'qty_masuk'   -> 'required',
32             'barang_id'   -> 'required|not_in:blank',
33         ]);
34
35         //create post
36         Barangmasuk::create([
37             'tgl_masuk'    => $request->tgl_masuk,
38             'qty_masuk'   => $request->qty_masuk,
39             'barang_id'   => $request->barang_id
40         ]);
41
42         //redirect to index
43         return redirect()->route('barangmasuk.index')->with(['success' -> 'Data Berhasil Disimpan']);
44     }
45
46 /**
47 * Display the specified resource.
48 */
49 public function show(string $id)
50 {
51     $rsetBarangmasuk = Barangmasuk::find($id);
52
53     //return $rsetBarang;
54
55     //return view
56     return view('barangmasuk.show', compact('rsetBarangmasuk'));
57 }
58
59 /**
60 * Show the form for editing the specified resource.
61 */
62 public function edit(string $id)
63 {
64     $barang = Barang::all();
65     $rsetBarangmasuk = Barangmasuk::find($id);
66     $selectedBarang = Barang::find($rsetBarangmasuk->barang_id);
67
68     return view('barangmasuk.edit', compact('rsetBarangmasuk', 'barang', 'selectedbarang'));
69 }
70
71
72 /**
73 * Update the specified resource in storage.
74 */
75 public function update(Request $request, string $id)
76 {
77     $this->validate($request, [
78         'tgl_masuk'    -> 'required',
79         'qty_masuk'   -> 'required',
80         'barang_id'   -> 'required|not_in:blank',
81     ]);
82
83     $rsetBarangmasuk = Barangmasuk::find($id);
84
85     $rsetBarangmasuk->update([
86         'tgl_masuk'    => $request->tgl_masuk,
87         'qty_masuk'   => $request->qty_masuk,
88         'barang_id'   => $request->barang_id
89     ]);
90
91     // Redirect to the index page with a success message
92     return redirect()->route('barangmasuk.index')->with(['success' -> 'Data Berhasil Diubah!']);
93 }
94
95
96 /**
97 * Remove the specified resource from storage.
98 */
99 public function destroy(string $id)
100 {
101     $rsetBarangmasuk = Barangmasuk::find($id);
102
103     //delete post
104     $rsetBarangmasuk->delete();
105
106     //redirect to index
107     return redirect()->route('barangmasuk.index')->with(['success' -> 'Data Berhasil Dihapus!']);
108 }
109 }
110

```

- Controller Barangkeluar

```
php artisan make:controller BarangkeluarController
```

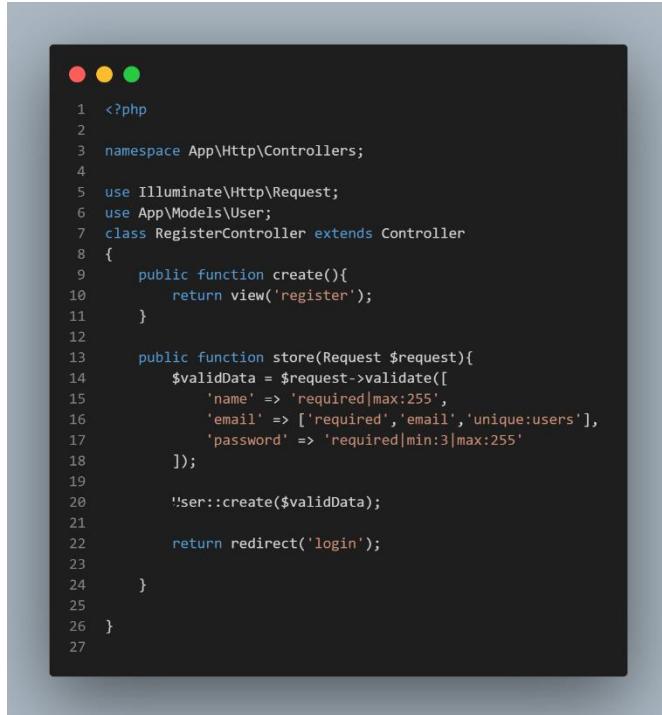


```

1 <?php
2
3 namespace App\Http\Controllers;
4 use App\Models\Barangkeluar;
5 use App\Models\Barang;
6 use Illuminate\Http\Request;
7 use Illuminate\Support\Facades\Storage;
8
9 class BarangkeluarController extends Controller
10 {
11     public function index(Request $request)
12     {
13         $rsetBarangkeluar = Barangkeluar::with('barang')->latest()->paginate(10);
14
15         return view('barangkeluar.index', compact('rsetBarangkeluar'))
16             ->with('i', ($request->input('page', 1) - 1) * 5);
17     }
18
19     public function create()
20     {
21         $barang = Barang::all();
22         return view('barangkeluar.create', compact('barang'));
23     }
24
25     public function store(Request $request)
26     {
27         //return $request;
28         //validate form
29         $this->validate($request, [
30             'tgl_keluar' => 'required',
31             'qty_keluar' => 'required',
32             'barang_id' => 'required|not_in:blank',
33         ]);
34
35         //create post
36         Barangkeluar::create([
37             'tgl_keluar' => $request->tgl_keluar,
38             'qty_keluar' => $request->qty_keluar,
39             'barang_id' => $request->barang_id
40         ]);
41
42         //redirect to index
43         return redirect()->route('barangkeluar.index')->with(['success' => 'Data Berhasil Disimpan']);
44     }
45
46 /**
47 * Display the specified resource.
48 */
49 public function show(string $id)
50 {
51     $rsetBarangkeluar = Barangkeluar::find($id);
52
53     //return $rsetBarang;
54
55     //return view
56     return view('barangkeluar.show', compact('rsetBarangkeluar'));
57 }
58
59 /**
60 * Show the form for editing the specified resource.
61 */
62 public function edit(string $id)
63 {
64     $barang = Barang::all();
65     $rsetBarangkeluar = Barangkeluar::find($id);
66     $selectedBarang = Barang::find($rsetBarangkeluar->barang_id);
67
68     return view('barangkeluar.edit', compact('rsetBarangkeluar', 'barang', 'selectedBarang'));
69 }
70
71
72 /**
73 * Update the specified resource in storage.
74 */
75 public function update(Request $request, string $id)
76 {
77     $this->validate($request, [
78         'tgl_keluar' => 'required',
79         'qty_keluar' => 'required',
80         'barang_id' => 'required|not_in:blank',
81     ]);
82
83     $rsetBarangkeluar = Barangkeluar::find($id);
84
85     $rsetBarangkeluar->update([
86         'tgl_keluar' => $request->tgl_keluar,
87         'qty_keluar' => $request->qty_keluar,
88         'barang_id' => $request->barang_id
89     ]);
90
91     // Redirect to the index page with a success message
92     return redirect()->route('barangkeluar.index')->with(['success' => 'Data Berhasil Diubah!']);
93 }
94
95 /**
96 * Remove the specified resource from storage.
97 */
98 public function destroy(string $id)
99 {
100     $rsetBarangkeluar = Barangkeluar::find($id);
101
102     //delete post
103     $rsetBarangkeluar->delete();
104
105     //redirect to index
106     return redirect()->route('barangkeluar.index')->with(['success' => 'Data Berhasil Dihapus!']);
107 }
108
109 }
```

- Controller Register

```
php artisan make:controller RegisterController
```



```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6 use App\Models\User;
7 class RegisterController extends Controller
8 {
9     public function create(){
10         return view('register');
11     }
12
13     public function store(Request $request){
14         $validData = $request->validate([
15             'name' => 'required|max:255',
16             'email' => ['required','email','unique:users'],
17             'password' => 'required|min:3|max:255'
18         ]);
19
20         User::create($validData);
21
22         return redirect('login');
23     }
24 }
25
26 }
```

## Membuat View

1. Barang

- index.blade.php

```

1  @extends('layouts.adm.main')
2
3
4  @section('content')
5      <div class="container">
6          <div class="row">
7              <div class="col-md-12">
8                  <div class="pull-left">
9                      <h2>DAFTAR BARANG</h2>
10                 </div>
11                 @if ($message = Session::get('success'))
12                     <div class="alert alert-success">
13                         <p>{{ $message }}</p>
14                     </div>
15                 @elseif ($message = Session::get('gagal'))
16                     <div class="alert alert-warning">
17                         <p>{{ $message }}</p>
18                     </div>
19                 @endif
20             <div class="card">
21                 <div class="card-body">
22                     <a href="{{ route('barang.create') }}" class="btn btn-md btn-success mb-3">TAMBAH ITEM</a>
23                 </div>
24             </div>
25
26             <table class="table table-bordered">
27                 <thead>
28                     <tr>
29                         <th>NO.</th>
30                         <th>MERK</th>
31                         <th>SERI</th>
32                         <th>SPECIFIKASI</th>
33                         <th>STOK</th>
34                         <th>AKSI</th>
35                         <th>Foto</th>
36                         <th style="width: 15%">AKSI</th>
37                     </tr>
38                 </thead>
39                 <tbody>
40                     @foreach ($setBarang as $rowbarang)
41                         <tr>
42                             <td>{{ $rowbarang->id }}</td>
43                             <td>{{ $rowbarang->merk }}</td>
44                             <td>{{ $rowbarang->seri }}</td>
45                             <td>{{ $rowbarang->spesifikasi }}</td>
46                             <td>{{ $rowbarang->stok }}</td>
47                             <td>{{ $rowbarang->kategori->kategori }}</td>
48                             <td>{{ $rowbarang->kategori->jenis }}</td>
49                             <td class="text-center">
50                                 
51                             </td>
52                             <td class="text-center">
53                                 <td><form onsubmit="return confirm('Apakah Anda Yakin ?');" action="{{ route('barang.destroy', $rowbarang->id) }}" method="POST">
54                                     <a href="{{ route('barang.show', $rowbarang->id) }}" class="btn btn-sm btn-dark"><i class="fa fa-eye"></i></a>
55                                     <a href="{{ route('barang.edit', $rowbarang->id) }}" class="btn btn-sm btn-primary"><i class="fa fa-pencil-alt"></i></a>
56                                 <hr style="margin: 5px 0;">
57                                     @method('DELETE')
58                                     <button type="submit" class="btn btn-sm btn-danger"><i class="fa fa-trash"></i></button>
59                                 </form>
60                             </td>
61                         </tr>
62                     @empty
63                         <div class="alert">
64                             Data barang belum tersedia!
65                         </div>
66                     @endforelse
67                 </tbody>
68             </table>
69             {!! $setBarang->links('pagination::bootstrap-5') !!}
70         </div>
71     </div>
72     </div>
73     @endsection
74
75
76
77
78
79
80
81

```

- create.blade.php

```
1  extends('layouts.admin-main')
2
3  getSection('content')
4    div {class: "content">
5      div {class: "card">
6        div {class: "card-body">
7          form {action: $(route('barang.store')) method: "POST" enctype: "multipart/form-data">
8            input {type: "file", name: "gambar"}
9
10           div {class: "form-group">
11             label {for: "noinv"}, "Nomer Inv"
12             input {type: "text", name: "noinv", value: $(old('noinv')) placeholder: "Masukkan Nomer Inv barang"}
13
14             div {class: "error-message", if: error.noinv}
15               div {class: "alert alert-danger mt-2", if: error.noinv}
16                 {{ message }}
17               div>
18             div {class: "form-control", if: gendererror}
19               input {type: "text", name: "gender", value: $(old('gender')) placeholder: "Masukkan Gender barang"}
20
21             div {class: "error-message", if: gendererror}
22               div {class: "alert alert-danger mt-2", if: gendererror}
23                 {{ message }}
24               div>
25             div {class: "form-control", if: serilerror}
26               input {type: "text", name: "seri", value: $(old('seri')) placeholder: "Masukkan Seri barang"}
27
28             div {class: "error-message", if: serilerror}
29               div {class: "alert alert-danger mt-2", if: serilerror}
30                 {{ message }}
31               div>
32             div {class: "form-control", if: spesifikasierror}
33               input {type: "text", name: "spesifikasi", value: $(old('spesifikasi')) placeholder: "Masukkan Spesifikasi barang"}
34
35             div {class: "error-message", if: spesifikasierror}
36               div {class: "alert alert-danger mt-2", if: spesifikasierror}
37                 {{ message }}
38               div>
39             div {class: "form-control", if: kategorierror}
40               input {type: "text", name: "kategori", value: $(old('kategori')) placeholder: "Masukkan Kategori barang"}
41
42             div {class: "error-message", if: kategorierror}
43               div {class: "alert alert-danger mt-2", if: kategorierror}
44                 {{ message }}
45               div>
46             div {class: "form-control", if: satuanerror}
47               input {type: "text", name: "satuan", value: $(old('satuan')) placeholder: "Masukkan Satuan barang"}
48
49             div {class: "error-message", if: satuanerror}
50               div {class: "alert alert-danger mt-2", if: satuanerror}
51                 {{ message }}
52               div>
53             div {class: "form-control", if: hargaerror}
54               input {type: "text", name: "harga", value: $(old('harga')) placeholder: "Masukkan Harga barang"}
55
56             div {class: "error-message", if: hargaerror}
57               div {class: "alert alert-danger mt-2", if: hargaerror}
58                 {{ message }}
59               div>
60             div {class: "form-control", if: stokerror}
61               input {type: "text", name: "stok", value: $(old('stok')) placeholder: "Masukkan Stok barang"}
62
63             div {class: "error-message", if: stokerror}
64               div {class: "alert alert-danger mt-2", if: stokerror}
65                 {{ message }}
66               div>
67             div {class: "form-control", if: diskonerror}
68               input {type: "text", name: "diskon", value: $(old('diskon')) placeholder: "Masukkan Diskon barang"}
69
70             div {class: "error-message", if: diskonerror}
71               div {class: "alert alert-danger mt-2", if: diskonerror}
72                 {{ message }}
73               div>
74             div {class: "form-control", if: tglerror}
75               input {type: "text", name: "tgl", value: $(old('tgl')) placeholder: "Masukkan Tanggal barang"}
76
77             div {class: "error-message", if: tglerror}
78               div {class: "alert alert-danger mt-2", if: tglerror}
79                 {{ message }}
80               div>
81             div {class: "form-control", if: sifaterror}
82               input {type: "text", name: "sifat", value: $(old('sifat')) placeholder: "Masukkan Sifat barang"}
83
84             div {class: "error-message", if: sifaterror}
85               div {class: "alert alert-danger mt-2", if: sifaterror}
86                 {{ message }}
87               div>
88             div {class: "form-control", if: keteranganerror}
89               input {type: "text", name: "keterangan", value: $(old('keterangan')) placeholder: "Masukkan Keterangan barang"}
90
91             div {class: "error-message", if: keteranganerror}
92               div {class: "alert alert-danger mt-2", if: keteranganerror}
93                 {{ message }}
94               div>
95           div>
96         div>
97       div>
98     div>
99   div>
100 div>
```

- edit.blade.php

```

1  <?php
2  namespace App\Http\Controllers;
3
4  use Illuminate\Http\Request;
5  use App\Kontak;
6
7  class KontakController extends Controller
8  {
9      /**
10      * Display a listing of the resource.
11      *
12      * @return \Illuminate\Http\Response
13      */
14      public function index()
15      {
16          $kontak = Kontak::all();
17
18          return view('kontak.index', compact('kontak'));
19      }
20
21      /**
22      * Show the form for creating a new resource.
23      *
24      * @return \Illuminate\Http\Response
25      */
26      public function create()
27      {
28          return view('kontak.create');
29      }
30
31      /**
32      * Store a newly created resource in storage.
33      *
34      * @param \Illuminate\Http\Request $request
35      *
36      * @return \Illuminate\Http\Response
37      */
38      public function store(Request $request)
39      {
40          $request->validate([
41              'name' => 'required',
42              'email' => 'required|email',
43              'subject' => 'required',
44              'message' => 'required'
45          ]);
46
47          $kontak = new Kontak([
48              'name' => $request->name,
49              'email' => $request->email,
50              'subject' => $request->subject,
51              'message' => $request->message
52          ]);
53
54          $kontak->save();
55
56          return redirect('/kontak');
57      }
58
59      /**
60      * Display the specified resource.
61      *
62      * @param \App\Kontak $kontak
63      *
64      * @return \Illuminate\Http\Response
65      */
66      public function show(Kontak $kontak)
67      {
68          return view('kontak.show', compact('kontak'));
69      }
70
71      /**
72      * Show the form for editing the specified resource.
73      *
74      * @param \App\Kontak $kontak
75      *
76      * @return \Illuminate\Http\Response
77      */
78      public function edit(Kontak $kontak)
79      {
80          return view('kontak.edit', compact('kontak'));
81      }
82
83      /**
84      * Update the specified resource in storage.
85      *
86      * @param \Illuminate\Http\Request $request
87      * @param \App\Kontak $kontak
88      *
89      * @return \Illuminate\Http\Response
90      */
91      public function update(Request $request, Kontak $kontak)
92      {
93          $request->validate([
94              'name' => 'required',
95              'email' => 'required|email',
96              'subject' => 'required',
97              'message' => 'required'
98          ]);
99
100         $kontak->update($request->all());
101
102         return redirect('/kontak');
103     }
104
105     /**
106     * Remove the specified resource from storage.
107     *
108     * @param \App\Kontak $kontak
109     *
110     * @return \Illuminate\Http\Response
111     */
112     public function destroy(Kontak $kontak)
113     {
114         $kontak->delete();
115
116         return redirect('/kontak');
117     }
118 }

```

- show.blade.php

```
1  @extends('layouts.adm-main')
2
3
4  @section('content')
5      <div class="container">
6          <div class="pull-left">
7              <h2>TAMPILKAN BARANG</h2>
8          </div>
9          <div class="row">
10             <div class="col-md-8">
11                 <div class="card border-0 shadow rounded">
12                     <div class="card-body">
13                         <table class="table">
14                             <tr>
15                                 <td>MERK</td>
16                                 <td>{{ $rsetBarang->merk }}</td>
17                             </tr>
18                             <tr>
19                                 <td>SERI</td>
20                                 <td>{{ $rsetBarang->seri }}</td>
21                             </tr>
22                             <tr>
23                                 <td>SPESIFIKASI</td>
24                                 <td>{{ $rsetBarang->spesifikasi }}</td>
25                             </tr>
26                             <tr>
27                                 <td>STOK</td>
28                                 <td>{{ $rsetBarang->stok }}</td>
29                             </tr>
30                             <tr>
31                                 <td>KATEGORI</td>
32                                 <td>{{ $rsetBarang->kategori->kategori }}</td>
33                             </tr>
34                         </table>
35                     </div>
36                 </div>
37             </div>
38
39             <div class="col-md-4">
40                 <div class="card">
41                     <div class="card-body">
42                         
43                     </div>
44                 </div>
45             </div>
46         </div>
47
48         <br>
49         <div class="row">
50             <div class="col-md-12 text-center">
51                 <a href="{{ route('barang.index') }}" class="btn btn-md btn-primary mb-3">Back</a>
52             </div>
53         </div>
54     </div>
55     @endsection
56 
```

## 2. Kategori

- index.blade.php

```

1  @extends('layouts.adm-main')
2
3
4  @section('content')
5      <div class="container">
6          <div class="row">
7              <div class="col-md-12">
8                  <div class="pull-left">
9                      <h2>DAFTAR KATEGORI</h2>
10                 </div>
11                 @if ($message = Session::get('success'))
12                     <div class="alert alert-success">
13                         <p>{{ $message }}</p>
14                     </div>
15                 @elseif ($message = Session::get('gagal'))
16                     <div class="alert alert-warning">
17                         <p>{{ $message }}</p>
18                     </div>
19                 @endif
20             <div class="card">
21                 <div class="card-body">
22                     <a href="{{ route('kategori.create') }}" class="btn btn-md btn-success mb-3">TAMBAH KATEGORI</a>
23                 </div>
24             </div>
25
26             <table class="table table-bordered">
27                 <thead>
28                     <tr>
29                         <th>NO</th>
30                         <th>DESKRIPSI</th>
31                         <th>KATEGORI</th>
32                         <th style="width: 15%">AKSI</th>
33                     </tr>
34                 </thead>
35                 <tbody>
36                     @forelse ($setKategori as $rowKategori)
37                         <tr>
38                             <td>{{ $rowKategori->id }}</td>
39                             <td>{{ $rowKategori->kategori }}</td>
40                             <td>{{ $rowKategori->ketKategori }}</td>
41                             <td class="text-center">
42                                 <form onsubmit="return confirm('Apakah Anda Yakin ?')" action="{{ route('kategori.destroy', $rowKategori->id) }}" method="POST">
43                                     @method('DELETE')
44                                     <button type="submit" class="btn btn-sm btn-danger"><i class="fa fa-trash"></i></button>
45                                 </form>
46                             </td>
47                         </tr>
48                     @empty
49                         <div class="alert">
50                             Data Kategori belum tersedia
51                         </div>
52                     @endforelse
53                 </tbody>
54             </table>
55             {!! $setKategori->links('pagination::bootstrap-5') !!}
56         </div>
57     </div>
58     </div>
59     </div>
60     &endsection
61 
```

- create.blade.php

```

1  @extends('layouts.adm-main')
2
3  @section('content')
4      <div class="container">
5          <div class="row">
6              <div class="col-md-12">
7                  <div class="pull-left">
8                      <h2>TAMBAH KATEGORI</h2>
9                  </div>
10                 <div class="card">
11                     <div class="card-body">
12                         <form action="{{ route('kategori.store') }}" method="POST" enctype="multipart/form-data">
13                             @csrf
14
15                             <div class="form-group">
16                                 <label class="font-weight-bold">KATEGORI</label>
17                                 <input type="text" class="form-control" value="{{ old('kategori') }}" placeholder="Masukkan Kategori...">
18
19                                 <!-- error message untuk kategori -->
20                                 @error('kategori')
21                                     <div class="alert alert-danger mt-2">
22                                         {{ $message }}
23                                     </div>
24                                 @enderror
25
26
27                             <div class="form-group">
28                                 <label class="font-weight-bold">JENIS</label>
29                                 <select class="form-control" name="jenis" aria-label="Default select example">
30                                     <option value="0">Pilih Jenis</option>
31                                     <option value="1">Barang Habis Pakai</option>
32                                     <option value="0">Barang Habis Pakai</option>
33                                     <option value="1">Barang Tidak Habis Pakai</option>
34                                 </select>
35
36                                 <!-- error message untuk jenis -->
37                                 @error('jenis')
38                                     <div class="alert alert-danger mt-2">
39                                         {{ $message }}
40                                     </div>
41                                 @enderror
42
43
44                             <button type="submit" class="btn btn-md btn-primary">SIMPAN</button>
45                             <button type="reset" class="btn btn-md btn-warning">RESET</button>
46
47                         </form>
48                     </div>
49                 </div>
50             </div>
51         &endsection
52 
```

- edit.blade.php

```

1 @extends('layouts.adm-main')
2
3 @section('content')
4     <div class="container">
5         <div class="row">
6             <div class="col-md-12">
7                 <div class="pull-left">
8                     <h2>EDIT KATEGORI</h2>
9                 </div>
10                <div class="card">
11                    <div class="card-body">
12                        <form action="{{ route('kategori.update', $rsetKategori->id) }}" method="POST" enctype="multipart/form-data">
13                            @csrf
14                            @method('PUT')
15
16                            <div class="form-group">
17                                <label class="font-weight-bold" for="KATEGORI_19961">KATEGORI</label>
18                                <input type="text" class="form-control" name="kategori" value="{{ old('kategori', $rsetKategori->kategori) }}" placeholder="Masukan Kategori">
19
20                                @error('kategori')
21                                    <div class="alert alert-danger mt-2">
22                                        {{ $message }}
23                                    </div>
24                                @enderror
25                            </div>
26
27                            <div class="form-group">
28                                <label for="JENIS_KATEGORI_19961">JENIS</label>
29                                <select name="jenis_kategori" class="form-control" required>
30                                    @foreach ($rsetKategori as $key => $value)
31                                        <option value="{{ $key }}>{{ $rsetKategori->kategori == $key ? 'selected' : '' }}>{{ $value }}</option>
32                                    @endforeach
33                                </select>
34                            </div>
35
36                            <div>
37                                <button type="submit" href="{{ route('kategori.index') }}" class="btn btn-md btn-primary">SIMPAHRESET

```

- show.blade.php

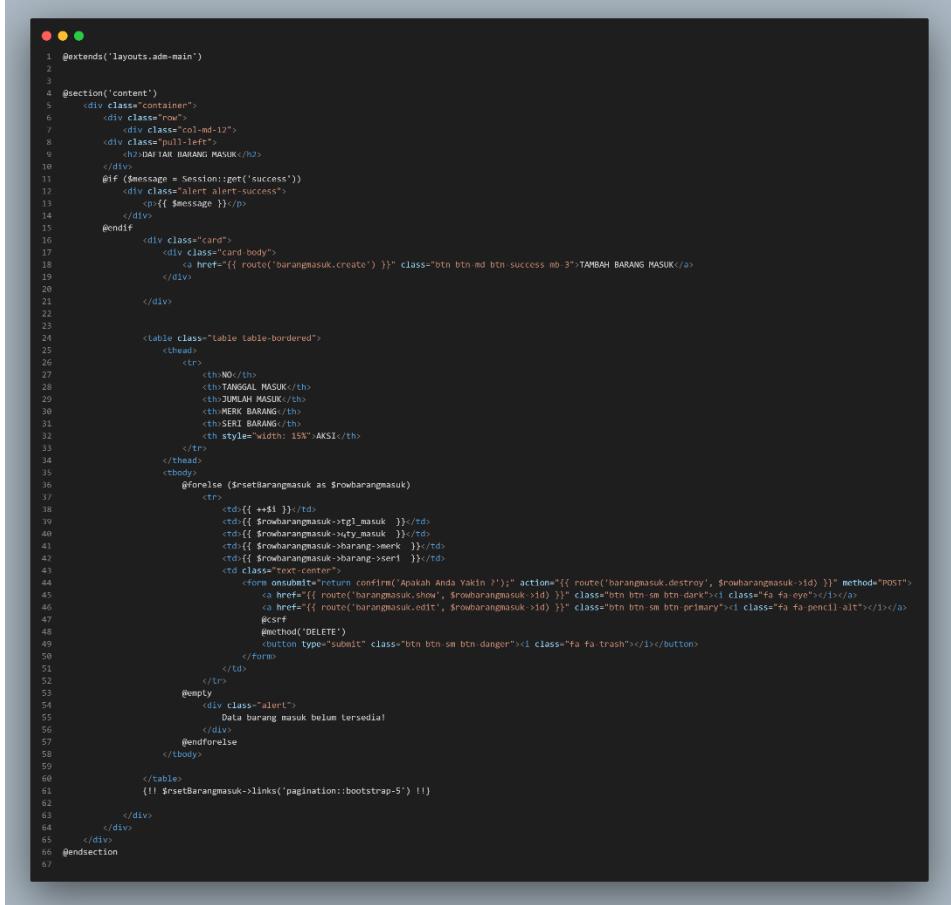
```

1 @extends('layouts.adm-main')
2
3
4 @section('content')
5     <div class="container">
6         <div class="pull-left">
7             <h2>TAMPILKAN KATEGORI</h2>
8         </div>
9         <div class="row">
10             <div class="col-md-8">
11                 <div class="card border-0 shadow rounded">
12                     <div class="card-body">
13                         <table class="table">
14                             <tr>
15                                 <td>KATEGORI</td>
16                                 <td>{{ $rsetKategori->kategori }}</td>
17                             </tr>
18                             <tr>
19                                 <td>JENIS</td>
20                                 <td>{{ $rsetKategori->jenis }}</td>
21                             </tr>
22                         </table>
23                     </div>
24                 </div>
25             </div>
26         </div>
27
28         <br>
29         <div class="row">
30             <div class="col-md-12 text-center">
31                 <a href="{{ route('kategori.index') }}" class="btn btn-md btn-primary mb-3">Back</a>
32             </div>
33         </div>
34     @endsection
35

```

### 3. Barangmasuk

- index.blade.php



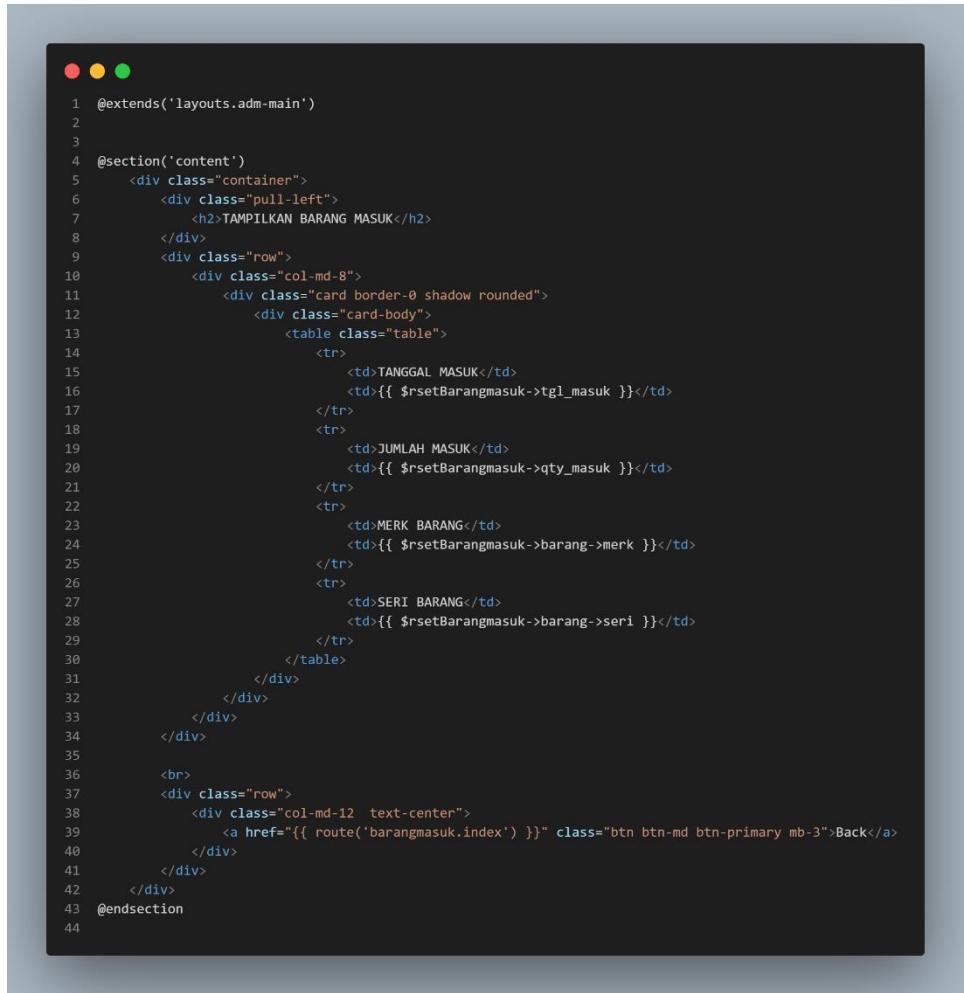
```
1  @extends('layouts.adm-main')
2
3
4  @section('content')
5      <div class="container">
6          <div class="row">
7              <div class="col-md-12">
8                  <div class="pull-left">
9                      JUDUL BARANG MASUK</h2>
10                 </div>
11                 @if ($messag = Session::get('success'))
12                     <div class="alert alert-success">
13                         <p>{{ $message }}</p>
14                     </div>
15                 @endif
16                 <div class="card">
17                     <div class="card-body">
18                         <a href="{{ route('barangmasuk.create') }}" class="btn btn-md btn-success mb-3">TAMBAH BARANG MASUK</a>
19                     </div>
20                 </div>
21
22
23                 <table class="table table-bordered">
24                     <thead>
25                         <tr>
26                             <th>NO</th>
27                             <th>TANGGAL MASUK</th>
28                             <th>JUMLAH MASUK</th>
29                             <th>MERK BARANG</th>
30                             <th>SERI BARANG</th>
31                             <th style="width: 15%">AKSI</th>
32                         </tr>
33                     </thead>
34                     <tbody>
35                         @foreach ($setbarangmasuk as $rowbarangmasuk)
36                             <tr>
37                                 <td>{{ ++$i }}</td>
38                                 <td>{{ $rowbarangmasuk->tgl_masuk }}</td>
39                                 <td>{{ $rowbarangmasuk->jtly_masuk }}</td>
40                                 <td>{{ $rowbarangmasuk->barang_swork }}</td>
41                                 <td>{{ $rowbarangmasuk->barang->seri }}</td>
42                                 <td class="text-center">
43                                     <form onsubmit="return confirm('Apakah Anda Yakin ?');" action="{{ route('barangmasuk.destroy', $rowbarangmasuk->id) }}" method="POST">
44                                         <a href="{{ route('barangmasuk.show', $rowbarangmasuk->id) }}" class="btn btn-sm btn-dark"><i class="fa fa-eye"></i></a>
45                                         <a href="{{ route('barangmasuk.edit', $rowbarangmasuk->id) }}" class="btn btn-sm btn-primary"><i class="fa fa-pencil-alt"></i></a>
46                                         @csrf
47                                         @method('DELETE')
48                                         <button type="submit" class="btn btn-sm btn-danger"><i class="fa fa-trash"></i></button>
49                                     </form>
50                                 </td>
51                             </tr>
52                         @empty
53                             <div class="alert">
54                                 Data barang masuk belum tersedia!
55                             </div>
56                         @enderror
57                     </tbody>
58                 </table>
59                 {!! $setbarangmasuk->links('pagination::bootstrap-5') !!}
60             </div>
61         </div>
62     </div>
63     </div>
64     </div>
65     </div>
66     @endsection
67 
```

- create.blade.php

```
1 @extends('layouts.adm_main')
2
3 @section('content')
4  <div class="container">
5   <div class="row">
6    <div class="col-md-12">
7     <div class="card card-style">
8      <div style="text-align: center; margin-bottom: 10px;">
9       Tambah Barang Masuk</div>
10    </div>
11    <div class="card-body">
12      <form action="{{ route('barangmasuk.store') }}" method="POST" enctype="multipart/form-data">
13        @csrf
14
15        <div class="form-group">
16          <label class="font-weight-bold">TAMGAL MASUK</label>
17          <input type="date" class="form-control" name="tg_masuk" value="{{ old('tg_masuk') }}" placeholder="Masukan Tanggal masuk">
18
19          @error('tg_masuk')
20           <div class="alert alert-danger mt-2">
21            {{ $message }}
22          </div>
23          @enderror
24        </div>
25
26        <div class="form-group">
27          <label class="font-weight-bold">JUMLAH MASUK</label>
28          <input type="number" class="form-control" name="qty_masuk" value="{{ old('qty_masuk') }}" placeholder="Masukan Jumlah masuk">
29
30          @error('qty_masuk')
31           <div class="alert alert-danger mt-2">
32             {{ $message }}
33           </div>
34          @enderror
35        </div>
36
37        <div class="form-group">
38          <label class="font-weight-bold">NAMA BARANG</label>
39          <select class="form-control" name="barang_id" aria-label="Default select example">
40            <option value="">>Pilih Barang</option>
41            @foreach ($barang as $barang)
42              <option value="{{ $barang->id }}>{{ $barang->namabarang }}</option>
43            @endforeach
44          </select>
45
46          @error('barang_id')
47           <div class="alert alert-danger mt-2">
48             {{ $message }}
49           </div>
50          @enderror
51        </div>
52
53        <div class="form-group">
54          <button type="submit" class="btn btn-md btn-primary">SIMPAN</button>
55          <button type="reset" class="btn btn-md btn-warning">RESET</button>
56        </div>
57      </form>
58    </div>
59  </div>
60 </div>
61 </div>
62 </div>
63 </div>
64 </div>
65 </div>
66 </div>
67
```

- edit.blade.php

- show.blade.php



```
1 @extends('layouts.adm-main')
2
3
4 @section('content')
5     <div class="container">
6         <div class="pull-left">
7             <h2>TAMPILKAN BARANG MASUK</h2>
8         </div>
9         <div class="row">
10            <div class="col-md-8">
11                <div class="card border-0 shadow rounded">
12                    <div class="card-body">
13                        <table class="table">
14                            <tr>
15                                <td>TANGGAL MASUK</td>
16                                <td>{{ $rsetBarangmasuk->tgl_masuk }}</td>
17                            </tr>
18                            <tr>
19                                <td>JUMLAH MASUK</td>
20                                <td>{{ $rsetBarangmasuk->qty_masuk }}</td>
21                            </tr>
22                            <tr>
23                                <td>MERK BARANG</td>
24                                <td>{{ $rsetBarangmasuk->barang->merk }}</td>
25                            </tr>
26                            <tr>
27                                <td>SERI BARANG</td>
28                                <td>{{ $rsetBarangmasuk->barang->seri }}</td>
29                            </tr>
30                        </table>
31                    </div>
32                </div>
33            </div>
34        </div>
35
36        <br>
37        <div class="row">
38            <div class="col-md-12 text-center">
39                <a href="{{ route('barangmasuk.index') }}" class="btn btn-md btn-primary mb-3">Back</a>
40            </div>
41        </div>
42    </div>
43 @endsection
44
```

#### 4. Barangkeluar

- index.blade.php

```

1  @extends('layouts.adm-main')
2
3
4  @section('content')
5      <div class="container">
6          <div class="row">
7              <div class="col-md-12">
8                  <div class="pull-left">
9                      <b>DAFTAR BARANG KELUAR</b>
10                 </div>
11                 @if ($message = Session::get('success'))
12                     <div class="alert alert-success">
13                         <p>{{ $message }}</p>
14                     </div>
15                 @endif
16
17                 <div class="card">
18                     <div class="card-body">
19                         <a href="{{ route('barangkeluar.create') }}" class="btn btn-sm btn-success mb-3">TAMBAH BARANG KELUAR</a>
20                     </div>
21                 </div>
22
23
24                 <table class="table table-bordered">
25                     <thead>
26                         <tr>
27                             <th>NO /</th>
28                             <th>TANGGAL KELUAR</th>
29                             <th>JUMLAH KELUAR</th>
30                             <th>MERK BARANG</th>
31                             <th>SERI BARANG</th>
32                             <th style="width: 15%">AKSI</th>
33                         </tr>
34                     </thead>
35                     <tbody>
36                         @forelse ($setbarangkeluar as $rowbarangkeluar)
37                             <tr>
38                                 <td>{{ ++$i }}</td>
39                                 <td>{{ $rowbarangkeluar->tgl_keluar }}</td>
40                                 <td>{{ $rowbarangkeluar->jty_keluar }}</td>
41                                 <td>{{ $rowbarangkeluar->barang->merk }}</td>
42                                 <td>{{ $rowbarangkeluar->barang->seri }}</td>
43                                 <td class="text-center">
44                                     <form onsubmit="return confirm('Apakah Anda Yakin ?');" action="{{ route('barangkeluar.destroy', $rowbarangkeluar->id) }}" method="POST">
45                                         <a href="{{ route('barangkeluar.show', $rowbarangkeluar->id) }}" class="btn btn-sm btn-dark"><i class="fa fa-eye">/i</a>
46                                         <a href="{{ route('barangkeluar.edit', $rowbarangkeluar->id) }}" class="btn btn-sm btn-primary"><i class="fa fa-pencil-alt">/i</a>
47                                     <br>
48                                     <button type="submit" class="btn btn-sm btn-danger"><i class="fa fa-trash">/i</button>
49                                 </form>
50                             </td>
51                         </tr>
52                     @empty
53                         <tr>
54                             <td colspan="6" class="text-center">Data barang keluar belum tersedia!</td>
55                         </tr>
56                     @endforelse
57                 </tbody>
58             </table>
59             {!! $setbarangkeluar->links('pagination::bootstrap-5') !!}
60         </div>
61     </div>
62   </div>
63   @endsection
64
65
66
67

```

- **create.blade.php**

```

1 @extends('layouts.adm-main')
2
3  @section('content')
4      <div class="container">
5          <div class="row">
6              <div class="col-md-12">
7                  <div class="well">
8                      <h2>TAMBAH BARANG KELUAR</h2>
9                  </div>
10                 <div class="card">
11                     <div class="card-body">
12                         <form action="{{ route('barangkeluar.store') }}" method="POST" enctype="multipart/form-data">
13                             @csrf
14
15                             <div class="form-group">
16                                 <label class="font-weight bold">TANGGAL KELUAR</label>
17                                 <input type="date" class="form-control" @error('tg_keluar') is-invalid @enderror name="tg_keluar" value="{{ old('tg_keluar') }}" placeholder="masukkan tanggal keluar">
18
19                                 @error('tg_keluar')
20                                     <div class="alert alert-danger mt-2">
21                                         {{ $message }}
22                                     </div>
23                                 @enderror
24                             </div>
25
26                             <div class="form-group">
27                                 <label class="font-weight bold">JUMLAH KELUAR</label>
28                                 <input type="number" class="form-control" @error('cty_keluar') is-invalid @enderror name="cty_keluar" value="{{ old('cty_keluar') }}" placeholder="masukkan jumlah keluar">
29
30                                 @error('cty_keluar')
31                                     <div class="alert alert-danger mt-2">
32                                         {{ $message }}
33                                     </div>
34                                 @enderror
35                             </div>
36
37                             <div class="form-group">
38                                 <label class="font-weight bold">NAMA BARANG</label>
39                                 <select class="form-control" name="barang_id" aria-label="Default select example">
40                                     <option value="blanks">Pilih Barang</option>
41                                     @foreach ($barang as $rowbarang)
42                                         <option value="{{ $rowbarang->id }}>{{ $rowbarang->nker }} - {{ $rowbarang->seri }}</option>
43                                     @endforeach
44                                 </select>
45
46                                 @error('barang_id')
47                                     <div class="alert alert-danger mt-2">
48                                         {{ $message }}
49                                     </div>
50                                 @enderror
51                             </div>
52
53                             <div>
54                                 <button type="submit" class="btn btn-md btn-primary">SIMPAK</button>
55                                 <button type="reset" class="btn btn-md btn-warning">RESET</button>
56                             </div>
57                         </form>
58                     </div>
59                 </div>
60             </div>
61         </div>
62     </div>
63 
```

- **edit.blade.php**

```

1 @extends('layouts.adm-main')
2
3  @section('content')
4      <div class="container">
5          <div class="row">
6              <div class="col-md-12">
7                  <div class="well">
8                      <h2>EDIT BARANG KELUAR</h2>
9                  </div>
10                 <div class="card">
11                     <div class="card-body">
12                         <form action="{{ route('barangkeluar.update', $barangkeluar) }}" method="POST" enctype="multipart/form-data">
13                             @method('PUT')
14
15                             <div class="form-group">
16                                 <label class="font-weight bold">TANGGAL KELUAR</label>
17                                 <input type="text" class="form-control" @error('tg_keluar') is-invalid @enderror name="tg_keluar" value="{{ old('tg_keluar'), $barangkeluar->tg_keluar }} " placeholder="Masukkan Tanggal Keluar...">
18
19                                 @error('tg_keluar')
20                                     <div class="alert alert-danger mt-2">
21                                         {{ $message }}
22                                     </div>
23                                 @enderror
24                             </div>
25
26                             <div class="form-group">
27                                 <label class="font-weight bold">JUMLAH KELUAR</label>
28                                 <input type="text" class="form-control" @error('cty_keluar') is-invalid @enderror name="cty_keluar" value="{{ old('cty_keluar'), $barangkeluar->cty_keluar }} " placeholder="Masukkan Jumlah Keluar...">
29
30                                 @error('cty_keluar')
31                                     <div class="alert alert-danger mt-2">
32                                         {{ $message }}
33                                     </div>
34                                 @enderror
35                             </div>
36
37                             <div class="form-group">
38                                 <label class="font-weight bold">NAMA BARANG</label>
39                                 <select class="form-control" name="barang_id" aria-label="Default select example">
40                                     <option value="blanks" selected="">Pilih Barang</option>
41                                     @foreach ($barang as $rowbarang)
42                                         <option value="{{ $rowbarang->id }}>{{ $rowbarang->nker }} - {{ $rowbarang->seri }}</option>
43                                     @endforeach
44                                 </select>
45
46                                 @error('barang_id')
47                                     <div class="alert alert-danger mt-2">
48                                         {{ $message }}
49                                     </div>
50                                 @enderror
51                             </div>
52
53                             <div>
54                                 <button type="submit" class="btn btn-md btn-primary">SIMPAK</button>
55                                 <button type="reset" class="btn btn-md btn-warning">RESET</button>
56                             </div>
57                         </form>
58                     </div>
59                 </div>
60             </div>
61         </div>
62     </div>
63 
```

- show.blade.php

```
1 @extends('layouts.adm-main')
2
3
4 @section('content')
5     <div class="container">
6         <div class="pull-left">
7             <h2>TAMPILKAN BARANG KELUAR</h2>
8         </div>
9         <div class="row">
10            <div class="col-md-8">
11                <div class="card border-0 shadow rounded">
12                    <div class="card-body">
13                        <table class="table">
14                            <tr>
15                                <td>TANGGAL KELUAR</td>
16                                <td>{{ $rsetBarangkeluar->tgl_keluar }}</td>
17                            </tr>
18                            <tr>
19                                <td>JUMLAH KELUAR</td>
20                                <td>{{ $rsetBarangkeluar->qty_keluar }}</td>
21                            </tr>
22                            <tr>
23                                <td>MERK BARANG</td>
24                                <td>{{ $rsetBarangkeluar->barang->merk }}</td>
25                            </tr>
26                            <tr>
27                                <td>SERI BARANG</td>
28                                <td>{{ $rsetBarangkeluar->barang->seri }}</td>
29                            </tr>
30                        </table>
31                    </div>
32                </div>
33            </div>
34        </div>
35
36        <br>
37        <div class="row">
38            <div class="col-md-12 text-center">
39                <a href="{{ route('barangkeluar.index') }}" class="btn btn-md btn-primary mb-3">Back</a>
40            </div>
41        </div>
42    </div>
43 @endsection
44
```

## Membuat Authentication

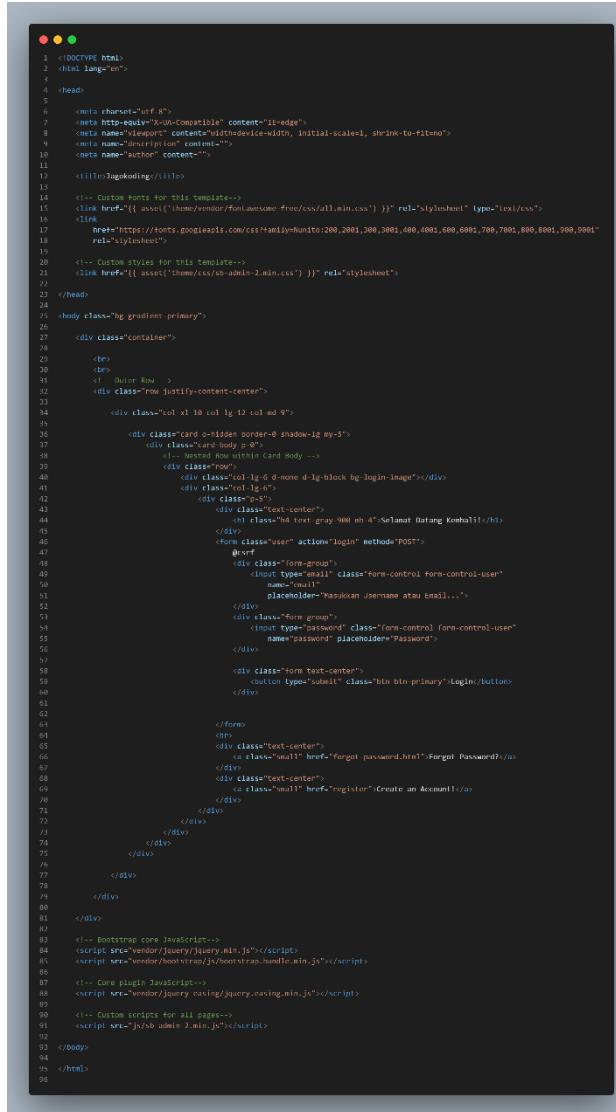
- Membuat LoginController

```
php artisan make:controller LoginController
kemudian beri fungsi Auth di dalam controller tersebut
```



```
1 <?php
2
3 namespace App\Http\Controllers;
4 use Illuminate\Support\Facades\Auth;
5 use Illuminate\Http\Request;
6 use Illuminate\Http\RedirectResponse;
7
8 class LoginController extends Controller
9 {
10     public function index() {
11         return view('login');
12     }
13
14     public function authenticate(Request $request) {
15
16         $credentials = $request->validate([
17             'email' => 'required|email:dns',
18             'password' => 'required'
19         ]);
20
21
22         if (Auth::attempt($credentials)) {
23             $request->session()->regenerate();
24
25             return redirect()->intended('barang');
26         }
27
28         return back()->withErrors([
29             'email' => 'The provided credentials do not match our records.',
30         ])->onlyInput('email');
31     }
32
33
34     public function logout(Request $request): RedirectResponse
35     {
36
37         Auth::logout();
38
39         $request->session()->invalidate();
40
41         $request->session()->regenerateToken();
42
43         return redirect('login');
44     }
45
46 }
47
```

membuat form login pada /var/www/jagokoding/resource dengan nama login.blade.php



```

1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5
6   <meta charset="utf-8">
7   <meta http-equiv="X-UA-Compatible" content="IE-edge">
8   <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
9   <meta name="description" content="">
10  <meta name="author" content="">
11
12  <title>jagokoding</title>
13
14  <!-- Custom fonts for this template-->
15  <link href="{{ asset('theme/vendor/fontawesome-free/css/all.min.css') }}" rel="stylesheet" type="text/css">
16
17  <link href="https://fonts.googleapis.com/css?family=Muli:200,200i,300,300i,400,400i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">
18
19  <!-- Custom styles for this template-->
20  <link href="{{ asset('theme/css/admin-2.min.css') }}" rel="stylesheet">
21
22 </head>
23
24 <body>
25   <div class="bg-gradient-primary">
26     <div class="container">
27       <div>
28         <div>
29           <div>
30             <div>
31               <div>
32                 <div>
33                   <div>
34                     <div>
35                       <div>
36                         <div>
37                           <div>
38                             <div>
39                               <div>
40                                 <div>
41                                   <div>
42                                     <div>
43                                       <div>
44                                         <div>
45                                           <div>
46                                             <div>
47                                               <div>
48                                                 <div>
49                                                   <div>
50                                                     <div>
51                                                       <div>
52                                                         <div>
53               <div>
54             <div>
55           <div>
56         <div>
57       <div>
58     <div>
59   </div>
60
61   <!-- Bootstrap core JavaScript-->
62   <script src="vendor/jquery/jquery.min.js"></script>
63   <script src="vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
64
65   <!-- Core plugin JavaScript-->
66   <script src="vendor/jquery-easing/jquery.easing.min.js"></script>
67
68   <!-- Custom scripts for all pages-->
69   <script src="js/admin-2.min.js"></script>
70
71 </body>
72
73 </html>

```

membuat form register pada /var/www/jagokoding/resource dengan

**nama** register.blade.php

## Membuat Route



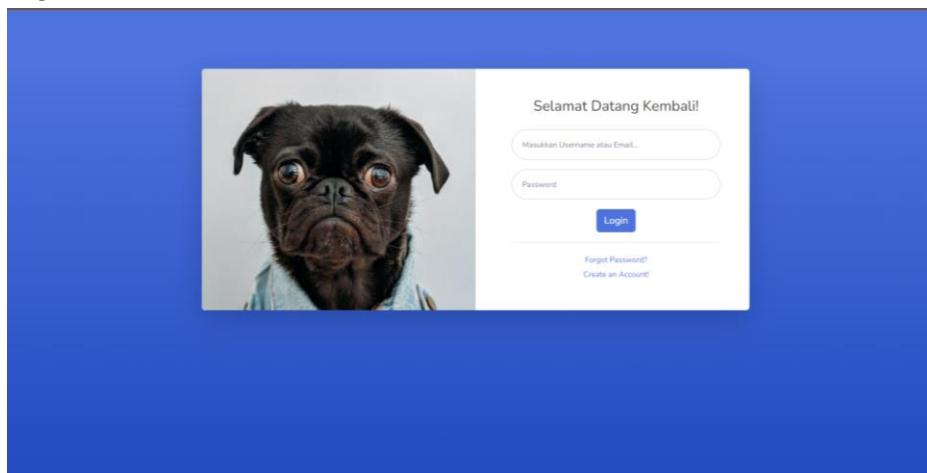
The screenshot shows a terminal window with a dark background and three colored icons (red, yellow, green) at the top. The terminal displays the contents of a PHP file, specifically the routes/web.php file. The code is as follows:

```
1 <?php
2
3 use Illuminate\Support\Facades\Route;
4 use App\Http\Controllers\BarangController;
5 use App\Http\Controllers\KategoriController;
6 use App\Http\Controllers\LoginController;
7 use App\Http\Controllers\RegisterController;
8 use App\Http\Controllers\BarangkeluarController;
9 use App\Http\Controllers\BarangmasukController;
10
11 /*
12 | -----
13 | Web Routes
14 | -----
15 |
16 |
17 | Here is where you can register web routes for your application. These
18 | routes are loaded by the RouteServiceProvider and all of them will
19 | be assigned to the "web" middleware group. Make something great!
20 |
21 */
22
23 Route::get('/', function () {
24     return view('welcome');
25 });
26 Route::resource('barang', BarangController::class)->middleware('auth');
27 Route::resource('kategori', KategoriController::class)->middleware('auth');
28 Route::resource('barangmasuk', BarangmasukController::class)->middleware('auth');
29 Route::resource('barangkeluar', BarangkeluarController::class)->middleware('auth');
30
31 Route::get('login', [LoginController::class, 'index'])->name('login')->middleware('guest');
32 Route::post('login', [LoginController::class, 'authenticate']);
33
34 Route::get('logout', [LoginController::class, 'logout']);
35 Route::post('logout', [LoginController::class, 'logout']);
36
37 Route::get('register', [RegisterController::class, 'create']);
38 Route::post('register', [RegisterController::class, 'store']);
39
40
```

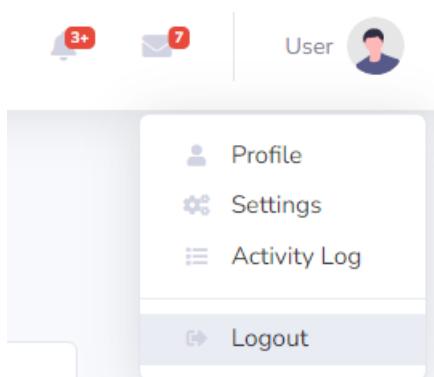
## H. HASIL

- Halaman Login/Logout

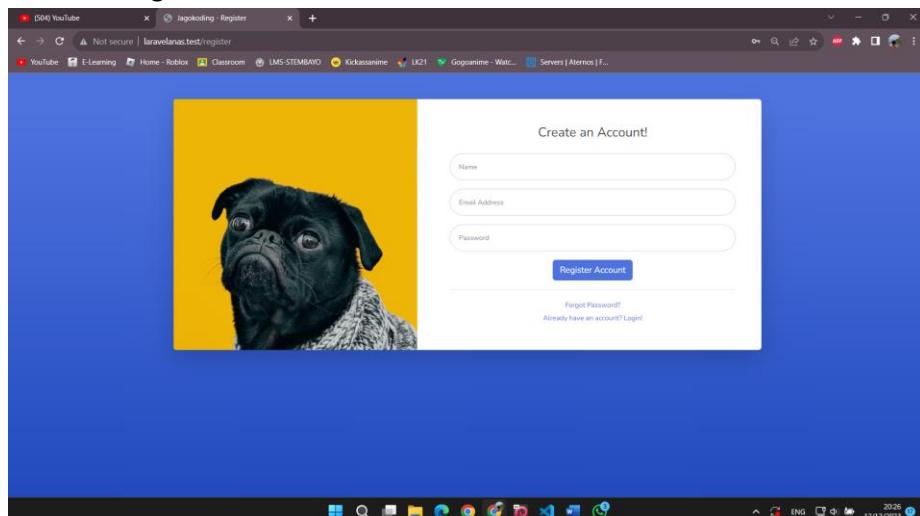
➤ Login



➤ Logout



- Halaman Registrasi



- Halaman Kategori

○ Show

The screenshots show the 'DAFTAR KATEGORI' (Category List) page from a Laravel application. The left sidebar has 'INVENTORY SIA' with 'Dashboard', 'Kategori', 'Barang', 'Barang Masuk', and 'Barang Keluar'. The top navigation bar shows 'Not secure | laravelanex.test/kategori'.

**Screenshot 1:** Shows 12 categories. Category 1 is 'Pendingin Ruang' (Modal). Categories 2 through 12 are all 'Modal' (Scanner, Printer, Projector, Projector Screen, Crimping Tools, Tang).

NO	DESKRIPSI	KATEGORI	AKSI
1	Pendingin Ruang	Modal	[Edit, Delete]
2	Personal Komputer	Modal	[Edit, Delete]
3	Laptop	Modal	[Edit, Delete]
4	Speaker Active	Modal	[Edit, Delete]
5	Scanner	Modal	[Edit, Delete]
6	Printer	Modal	[Edit, Delete]
7	Projector	Modal	[Edit, Delete]
8	Projector Screen	Modal	[Edit, Delete]
10	Crimping Tools	Alat	[Edit, Delete]
12	Tang	Alat	[Edit, Delete]

**Screenshot 2:** Shows 19 categories. Categories 13 through 20 are 'Alat' (Alat Ukur, Solder, Konektor Jaringan, Kabel Jumper, Perangkat Jaringan, Mikrokontroler Board, Mikrokontroler Module, Komponen Elektronika, Obeng).

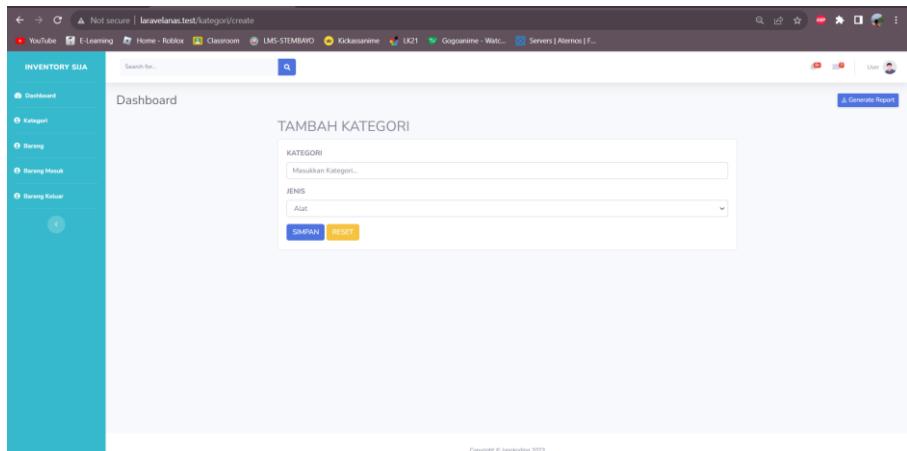
NO	DESKRIPSI	KATEGORI	AKSI
13	Alat Ukur	Alat	[Edit, Delete]
14	Solder	Alat	[Edit, Delete]
15	Konektor Jaringan   Bahan Praktik	Bahan Habis Pakai	[Edit, Delete]
16	Kabel Jumper   Bahan Praktik	Bahan Habis Pakai	[Edit, Delete]
17	Perangkat Jaringan   Bahan Praktik	Bahan Tidak Habis Pakai	[Edit, Delete]
18	Mikrokontroler Board   Bahan Praktik	Bahan Tidak Habis Pakai	[Edit, Delete]
19	Mikrokontroler Module   Bahan Praktik	Bahan Tidak Habis Pakai	[Edit, Delete]
20	Komponen Elektronika   Bahan Praktik	Bahan Tidak Habis Pakai	[Edit, Delete]
28	Obeng	Alat	[Edit, Delete]

**Screenshot 3:** Shows a single category 'Pendingin Ruang' (Modal) with 'JENIS M'.

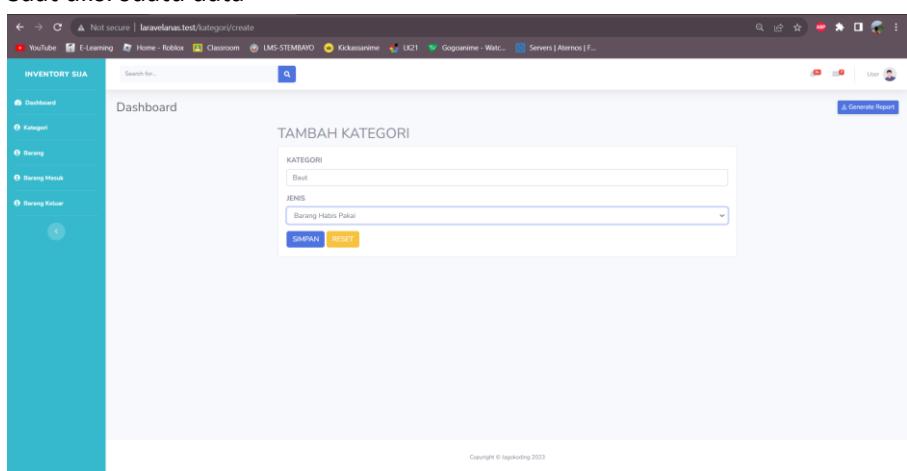
KATEGORI	Pendingin Ruang
JENIS	M

○ New

Form tambah Kategori



Saat diisi suatu data



Hasilnya

DAFTAR KATEGORI			
Data Berhasil Disimpan!			
NO	DESKRIPSI	KATEGORI	AKSI
1	Pendingin Ruang	Modal	
2	Personal Komputer	Modal	
3	Laptop	Modal	
4	Speaker Active	Modal	
5	Scanner	Modal	
6	Printer	Modal	
7	Projector	Modal	
8	Projector Screen	Modal	
10	Crimping Tools	Alat	
12	Tang	Alat	

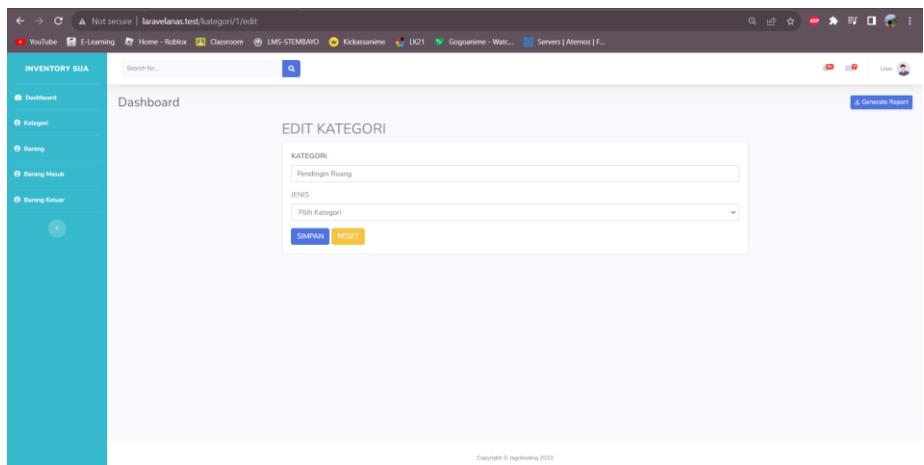
Showing 1 to 10 of 20 results

DAFTAR KATEGORI			
Data Berhasil Disimpan!			
NO	DESKRIPSI	KATEGORI	AKSI
13	Alat Ukur	Alat	
14	Solder	Alat	
15	Konektor Jaringan   Bahan Praktik	Bahan Habis Pakai	
16	Kabel Jumper   Bahan Praktik	Bahan Habis Pakai	
17	Perengkat Jaringan   Bahan Praktik	Bahan Tidak Habis Pakai	
18	Mikrokontroler Board   Bahan Praktik	Bahan Tidak Habis Pakai	
19	Mikrokontroler Module   Bahan Praktik	Bahan Tidak Habis Pakai	
20	Komponen Elektronika   Bahan Praktik	Bahan Tidak Habis Pakai	
28	Obeng	Alat	
31	Baut	Bahan Habis Pakai	

Showing 11 to 20 of 20 results

### ○ Edit



INVENTORY SIAA

Dashboard

EDIT KATEGORI

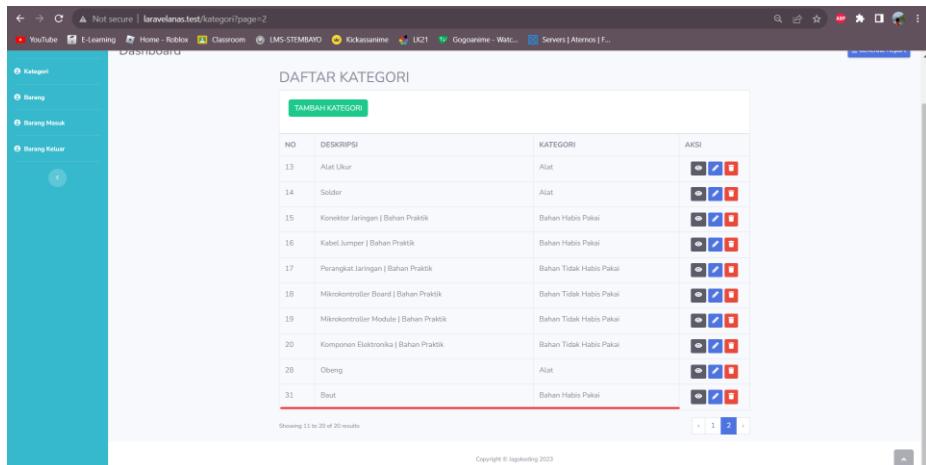
KATEGORI: Pendingin Ruang

JENIS: Pilih Kategori

SIMPAN RESET

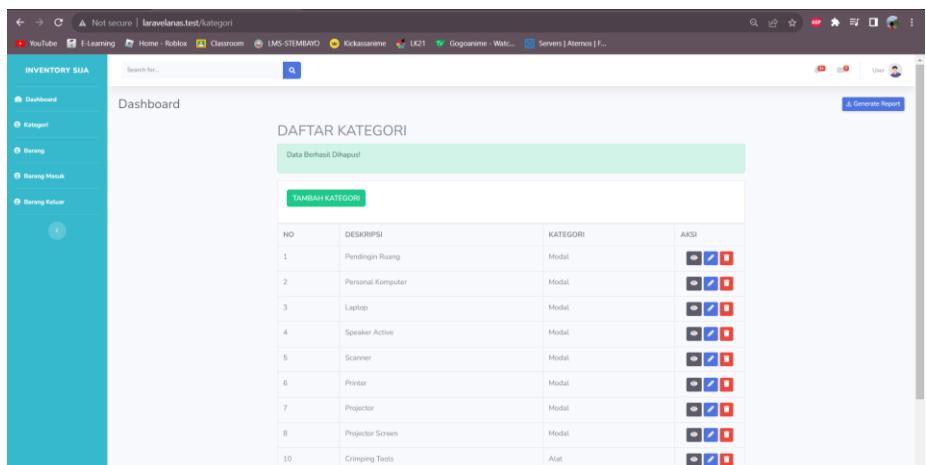
### ○ Delete

pilih barang yang akan di delete



NO	DESKRIPSI	KATEGORI	AKSI
13	Alat Ukur	Alat	
14	Solder	Alat	
15	Konektor Jaringan   Bahan Praktik	Bahan Habis Pakai	
16	Kabel Jumper   Bahan Praktik	Bahan Habis Pakai	
17	Perangkat Jaringan   Bahan Praktik	Bahan Tidak Habis Pakai	
18	Mikrokontroller Board   Bahan Praktik	Bahan Tidak Habis Pakai	
19	Mikrokontroller Module   Bahan Praktik	Bahan Tidak Habis Pakai	
20	Komponen Elektornika   Bahan Praktik	Bahan Tidak Habis Pakai	
28	Obeng	Alat	
31	Saut	Bahan Habis Pakai	

hasil delete

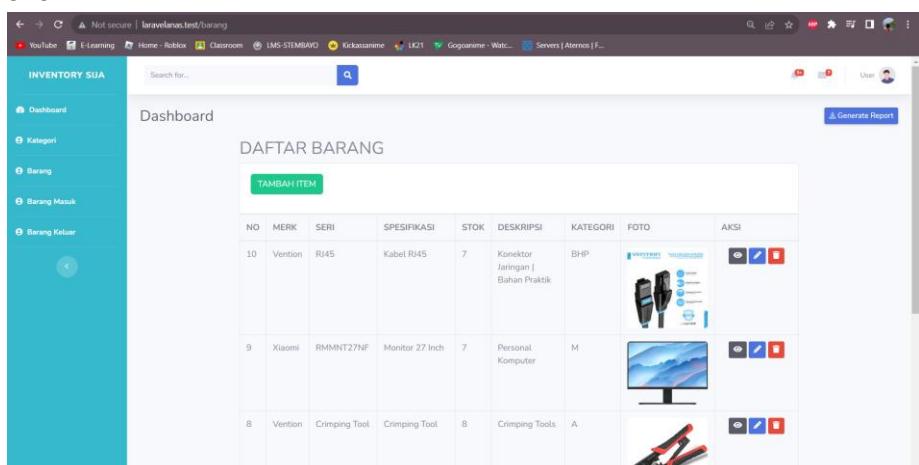


Data Berhasil Dihapus!

NO	DESKRIPSI	KATEGORI	AKSI
1	Pendirigan Ruang	Modal	
2	Personal Komputer	Modal	
3	Laptop	Modal	
4	Speaker Active	Modal	
5	Scanner	Modal	
6	Printer	Modal	
7	Projector	Modal	
8	Projector Screen	Modal	
10	Crimping Tools	Alat	

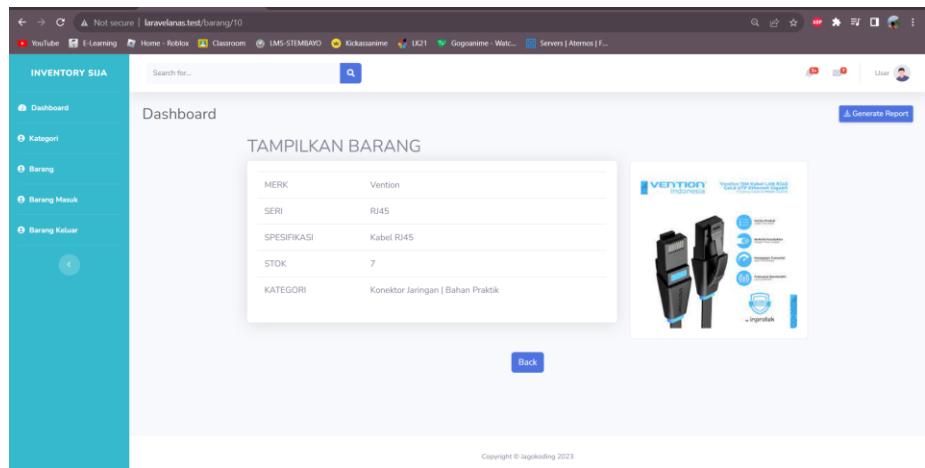
- Halaman Barang

- Show

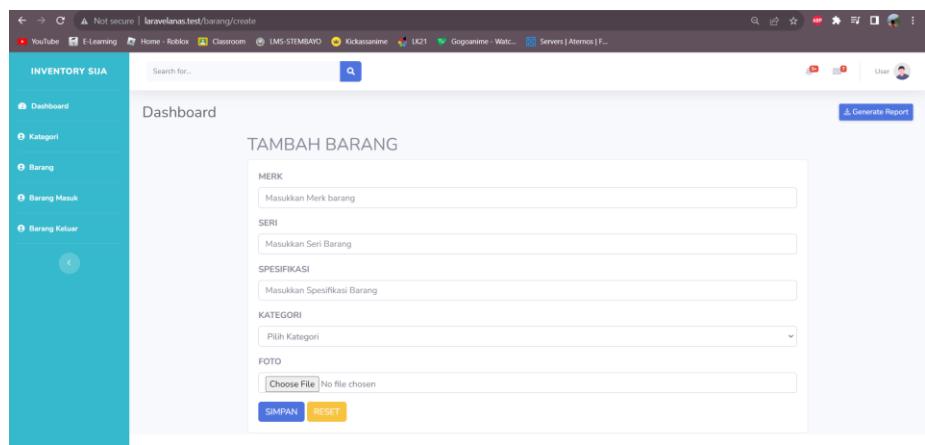


NO	MERK	SERI	SPESIFIKASI	STOK	DESKRIPSI	KATEGORI	FOTO	AKSI
10	Vention	RJ45	Kabel RJ45	7	Konektor Jaringan   Bahan Praktik	BHP		
9	Xiaomi	RMMMNT27NF	Monitor 27 Inch	7	Personal Komputer	M		
8	Vention	Crimping Tool	Crimping Tool	8	Crimping Tools	A		

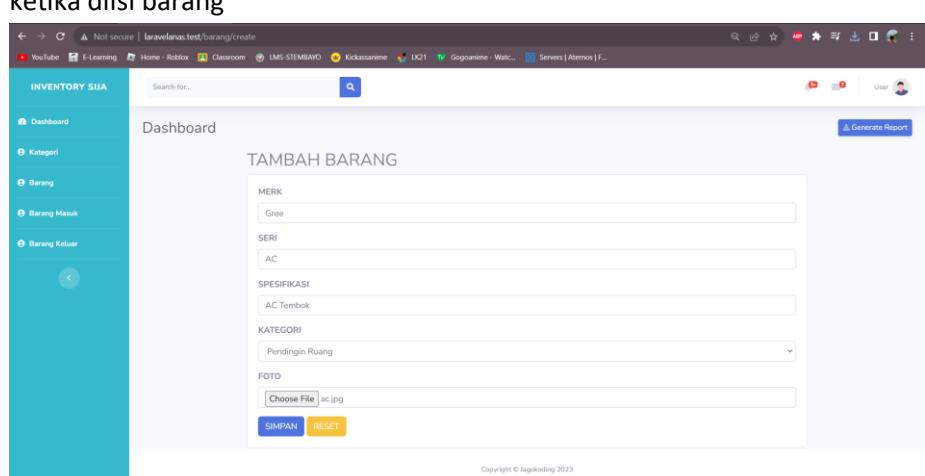
ketika klik tombol detail



○ New



ketika diisi barang



ketika berhasil tambah barang

NO	MERK	SERI	SPESIFIKASI	STOK	DESKRIPSI	KATEGORI	FOTO	AKSI
11	Gree	AC	AC Tembok	0	Pendingin Ruang	M		
10	Vention	RJ45	Kabel RJ45	7	Konektor Jaringan   Bahan Praktik	BHP		

○ Edit

EDIT BARANG

NAMA: Gree

SERI: AC C3ES

SPESIFIKASI: AC Tembok

KATEGORI: Pendingin Ruang

FOTO:  No file chosen

**SIMPAN** **RESET**

kita coba ganti Seri nya menjadi AC C3ES

EDIT BARANG

NAMA: Gree

SERI: AC C3ES

SPESIFIKASI: AC Tembok

KATEGORI: Pendingin Ruang

FOTO:  No file chosen

**SIMPAN** **RESET**

## hasilnya

NO	MERK	SERI	SPESIFIKASI	STOK	DESKRIPSI	KATEGORI	FOTO	AKSI
11	Gree	AC C3ES	AC Tembok	0	Pendingin Ruang	M		
10	Vention	RJ45	Kabel RJ45	7	Konektor Jaringan   Bahan Praktik	BHP		

- Delete

hapus AC dari tabel barang  
sebelum dihapus:

NO	MERK	SERI	SPESIFIKASI	STOK	DESKRIPSI	KATEGORI	FOTO	AKSI
11	Gree	AC C3ES	AC Tembok	0	Pendingin Ruang	M		
10	Vention	RJ45	Kabel RJ45	7	Konektor Jaringan   Bahan Praktik	BHP		
9	Xiaomi	RMMNT27NF	Monitor 27 Inch	7	Personal Komputer	M		
8	Vention	Crimping Tool	Crimping Tool	8	Crimping Tools	A		

sesudah:

NO	MERK	SERI	SPESIFIKASI	STOK	DESKRIPSI	KATEGORI	FOTO	AKSI
10	Vention	RJ45	Kabel RJ45	7	Konktor Jaringan   Bahan Praktik	BIPI		
9	Xiaomi	RMMNT27NF	Monitor 27 Inch	7	Personal Komputer	M		
8	Vention	Crimping Tool	Crimping Tool	8	Crimping Tools	A		

- Halaman Barang Masuk

NO	TANGGAL MASUK	JUMLAH MASUK	MERK BARANG	SERI BARANG	AKSI
1	2023-12-05	7	Vention	RJ45	
2	2023-12-08	6	ACER	Swift 3 Infinity 4	

- Halaman Barang Keluar

NO	TANGGAL KELUAR	JUMLAH KELUAR	MERK BARANG	SERI BARANG	AKSI
1	2024-12-08	8	Vention	Crimping Tool	
2	2024-12-12	3	ACER	Swift 3 Infinity 4	

**Source Code =**

<https://github.com/anaseaq/Laravel-Project.git>