

LAPORAN UJIAN AKHIR SEMESTER PEMROGRAMAN WEB II

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Repositori Github aplikasi: <https://github.com/discernix/simi>

Framework yang digunakan: Laravel

Library CSS: Tailwindcss, PicoCSS (minimalist css)

Autentikasi: Laravel Breeze

A. Hasil Coding

1. Migration User

```
2 use Illuminate\Database\Migrations\Migration;
3 use Illuminate\Database\Schema\Blueprint;
4 use Illuminate\Support\Facades\Schema;
5
6 return new class extends Migration
7 {
8     /**
9      * Run the migrations.
10     */
11     public function up(): void
12     {
13         Schema::create('users', function (Blueprint $table) {
14             $table->id();
15             $table->string('name');
16             $table->string('email')->unique();
17             $table->timestamp('email_verified_at')->nullable();
18             $table->string('password');
19             $table->rememberToken();
20             $table->timestamps();
21         });
22
23         Schema::create('password_reset_tokens', function (Blueprint $table) {
24             $table->string('email')->primary();
25             $table->string('token');
26             $table->timestamp('created_at')->nullable();
27         });
28
29         Schema::create('sessions', function (Blueprint $table) {
30             $table->string('id')->primary();
31             $table->foreignId('user_id')->nullable()->index();
32             $table->string('ip_address', 45)->nullable();
33             $table->text('user_agent')->nullable();
34             $table->longText('payload');
35             $table->integer('last_activity')->index();
36         });
37     }
38
39     /**
40      * Reverse the migrations.
```

2. Migration Kategori

```
5 <?php
4
3 use Illuminate\Database\Migrations\Migration;
2 use Illuminate\Database\Schema\Blueprint;
1 use Illuminate\Support\Facades\Schema;

6
1 return new class extends Migration
2 {
3     /**
4      * Run the migrations.
5      */
6     public function up(): void
7     {
8         Schema::create('kategori', function (Blueprint $table) {
9             $table->id();
10            $table->string('nama');
11            $table->timestamps();
12        });
13    }
14
15    /**
16     * Reverse the migrations.
17     */
18    public function down(): void
19    {
20        Schema::dropIfExists('kategori');
21    }
22 };
23
```

3. Migration Suppliers

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

4. Migration Barang

```
1 <?php
2 use Illuminate\Database\Migrations\Migration;
3 use Illuminate\Database\Schema\Blueprint;
4 use Illuminate\Support\Facades\Schema;
5
6 return new class extends Migration
7 {
8     /**
9      * Run the migrations.
10     */
11     public function up(): void
12     {
13         Schema::create('barang', function (Blueprint $table) {
14             $table->id();
15             $table->string('nama');
16             $table->text('deskripsi');
17             $table->bigInteger('harga');
18             $table->unsignedBigInteger('id_kategori');
19             $table->unsignedBigInteger('id_supplier');
20             $table->foreign('id_kategori')->references('id')->on('kategori')->onDelete('cascade');
21             $table->foreign('id_supplier')->references('id')->on('suppliers')->onDelete('cascade');
22             $table->timestamps();
23         });
24     }
25
26     /**
27      * Reverse the migrations.
28     */
29     public function down(): void
30     {
31         Schema::dropIfExists('barang');
32     }
33 };
34
```

5. Migration Penerimaan

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

6. Routing Web

```
41 use Illuminate\Support\Facades\Route;
40
39 Route::get('/', function () {
38     return view('welcome');
37 });
36
35 Route::get('/dashboard', function () {
34     return view('dashboard', [
33         'menu' => [
32             [
31                 'title' => 'Kategori',
30                 'description' => 'Manajemen Kategori merupakan halaman untuk mengelola kategori'
29             ],
28             [
27                 'title' => 'Suppliers',
26                 'description' => 'Manajemen Supplier merupakan halaman untuk mengelola supplier'
25             ],
24             [
23                 'title' => 'Barang',
22                 'description' => 'Manajemen Barang merupakan halaman untuk mengelola barang'
21             ],
20             [
19                 'title' => 'Penerimaan',
18                 'description' => 'Manajemen Penerimaan merupakan halaman untuk mengelola penerimaan'
17             ]
16         ]
15     ]);
14 }->middleware(['auth', 'verified'])->name('dashboard');
13
12 Route::middleware('auth')->group(function () {
11     Route::get('/profile', [ProfileController::class, 'edit'])->name('profile.edit');
10     Route::patch('/profile', [ProfileController::class, 'update'])->name('profile.update');
9     Route::delete('/profile', [ProfileController::class, 'destroy'])->name('profile.destroy');
8     Route::prefix('dashboard')->group(function () {
7         Route::resource('/kategori', KategoriController::class);
6         Route::resource('/suppliers', SupplierController::class);
5         Route::resource('/barang', BarangController::class);
4         Route::resource('/penerimaan', PenerimaanController::class);
3     });
2 });
```

7. Login

```
7
8 You, 8 minutes ago | 1 author (You) | Codeium: Refactor | Explain
9 class AuthenticatedSessionController extends Controller
10 {
11     /**
12      * Display the login view.
13      */
14     Codeium: Refactor | Explain | X
15     public function create(): View
16     {
17         You, 8 minutes ago • first commit
18         return view('auth.login');
19     }
20
21     /**
22      * Handle an incoming authentication request.
23      */
24     Codeium: Refactor | Explain | X
25     public function store(LoginRequest $request): RedirectResponse
26     {
27         $request->authenticate();
28
29         $request->session()->regenerate();
30
31         return redirect()->intended(route('dashboard', absolute: false));
32     }
33
34     /**
35      * Destroy an authenticated session.
36      */
37     Codeium: Refactor | Explain | X
38     public function destroy(Request $request): RedirectResponse
39     {
40         Auth::guard('web')->logout();
41
42         $request->session()->invalidate();
43
44         $request->session()->regenerateToken();
45
46         return redirect('/');
47     }
48 }
```

8. Registrasi

```
6
7 You, 7 minutes ago | 1 author (You) | Codeium: Refactor | Explain
8 class RegisteredUserController extends Controller
9 {
10     /**
11      * Display the registration view.
12      */
13     Codeium: Refactor | Explain | X
14     public function create(): View
15     {
16         You, 7 minutes ago • first commit
17         return view('auth.register');
18     }
19
20     /**
21      * Handle an incoming registration request.
22      *
23      * @throws \Illuminate\Validation\ValidationException
24      */
25     Codeium: Refactor | Explain | X
26     public function store(Request $request): RedirectResponse
27     {
28         $request->validate([
29             'name' => ['required', 'string', 'max:255'],
30             'email' => ['required', 'string', 'lowercase', 'email', 'max:255', 'unique:'.User::class],
31             'password' => ['required', 'confirmed', Rules\Password::defaults()],
32         ]);
33
34         $user = User::create([
35             'name' => $request->name,
36             'email' => $request->email,
37             'password' => Hash::make($request->password),
38         ]);
39
40         event(new Registered($user));
41
42         Auth::login($user);
43
44         return redirect(route('dashboard', absolute: false));
45     }
46 }
```

9. CRUD Kategori

```
1  ?php
2  namespace App\Http\Controllers;
3
4  use App\Models\Kategori;
5  use Illuminate\Http\Request;
6  use Illuminate\Support\Facades\Redirect;
7
8  class KategoriController extends Controller
9  {
10     Codeium: Refactor | Explain | Generate Function Comment | X
11     public function index()
12     {
13         return view('kategori.index', [
14             'title' => 'Kategori',
15             'data' => Kategori::all()
16         ]);
17     }
18
19     Codeium: Refactor | Explain | Generate Function Comment | X
20     public function store(Request $request)
21     {
22         $request->validate([
23             'nama' => 'min:3'
24         ]);
25
26         Kategori::create($request->input());
27         return Redirect::back();
28     }
29
30     Codeium: Refactor | Explain | Generate Function Comment | X
31     public function edit(Kategori $kategori)
32     {
33         return view('kategori.edit', [
34             'title' => 'Kategori',
35             'data' => $kategori
36         ]);
37     }
38
39     Codeium: Refactor | Explain | Generate Function Comment | X
40     public function update(Request $request, Kategori $kategori)
41     {
42         $request->validate([
43             'nama' => 'min:3'
44         ]);
45
46         $kategori->update($request->input());
47         return Redirect::to(route('kategori.index'));
48     }
49
50     Codeium: Refactor | Explain | Generate Function Comment | X
51     public function destroy(Kategori $kategori)
52     {
53         $kategori->delete();
54         return Redirect::back();
55     }
56 }
```

10. CRUD Suppliers

```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use App\Models\Supplier;
6 use Illuminate\Http\Request;
7 use Illuminate\Support\Facades\Redirect;
8
9 Codeium: Refactor | Explain
10 class SupplierController extends Controller
11 {
12     Codeium: Refactor | Explain | Generate Function Comment | X
13     public function index()
14     {
15         return view('suppliers.index', [
16             'title' => 'Suppliers',
17             'data' => Supplier::all()
18         ]);
19     }
20
21     Codeium: Refactor | Explain | Generate Function Comment | X
22     public function store(Request $request)
23     {
24         $request->validate([
25             'nama' => 'min:3',
26             'alamat' => 'min:5'
27         ]);
28
29         Supplier::create($request->input());
30         return Redirect::back();
31     }
32
33     Codeium: Refactor | Explain | Generate Function Comment | X
34     public function edit(Supplier $supplier)
35     {
36         return view('suppliers.edit', [
37             'title' => 'Suppliers',
38             'data' => $supplier
39         ]);
40     }
41
42     Codeium: Refactor | Explain | Generate Function Comment | X
43     public function update(Request $request, Supplier $supplier)
44     {
45         $request->validate([
46             'nama' => 'min:3',
47             'alamat' => 'min:5'
48         ]);
49
50         $supplier->update($request->input());
51         return Redirect::to(route('suppliers.index'));
52     }
53
54     Codeium: Refactor | Explain | Generate Function Comment | X
55     public function destroy(Supplier $supplier)
56     {
57         $supplier->delete();
58         return Redirect::back();
59     }
60 }
```

11. CRUD Barang

```
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\Barang;
6  use App\Models\Kategori;
7  use App\Models\Supplier;
8  use Illuminate\Http\Request;
9  use Illuminate\Support\Facades\Redirect;
10
11  class BarangController extends Controller
12  {
13      public function index()
14      {
15          return view('barang.index', [
16              'title' => 'Barang',
17              'data' => Barang::with(['kategori', 'suppliers'])->get(),
18              'kategori' => Kategori::all(),
19              'suppliers' => Supplier::all()
20          ]);
21      }
22
23      public function store(Request $request)
24      {
25          $request->validate([
26              'nama' => 'min:3',
27              'deskripsi' => 'min:10',
28              'harga' => 'required',
29          ]);
30
31          Barang::create($request->input());
32          return Redirect::back();
33      }
34
35      public function edit(Barang $barang)
```

```
36      {
37          return view('barang.edit', [
38              'title' => 'Barang',
39              'data' => $barang,
40              'kategori' => Kategori::all(),
41              'suppliers' => Supplier::all()
42          ]);
43      }
44
45      public function update(Request $request, Barang $barang)
46      {
47          $request->validate([
48              'nama' => 'min:3',
49              'deskripsi' => 'min:10',
50              'harga' => 'required'
51          ]);
52
53          $barang->update($request->input());
54          return Redirect::to(route('barang.index'));
55      }
56
57      public function destroy(Barang $barang)
58      {
59          $barang->delete();
60          return Redirect::back();
61      }
62  }
```


12. CRUD Penerimaan

```
2 namespace App\Http\Controllers;
3
4 use App\Models\Barang;
5 use App\Models\Penerimaan;
6 use Illuminate\Http\Request;
7 use Illuminate\Support\Facades\Redirect;
8
9 Codeium: Refactor | Explain
10 class PenerimaanController extends Controller
11 {
12     Codeium: Refactor | Explain | Generate Function Comment | X
13     public function index()
14     {
15         return view('penerimaan.index', [
16             'title' => 'Penerimaan',
17             'data' => Penerimaan::all(),
18             'barang' => Barang::all()
19         ]);
20     }
21
22     Codeium: Refactor | Explain | Generate Function Comment | X
23     public function store(Request $request)
24     {
25         $request->validate([
26             'jumlah' => 'required',
27         ]);
28
29         Penerimaan::create($request->input());
30         return Redirect::back();
31     }
32
33     Codeium: Refactor | Explain | Generate Function Comment | X
34     public function edit(Penerimaan $penerimaan)
35     {
36         return view('penerimaan.edit', [
37             'title' => 'Penerimaan',
38             'data' => $penerimaan,
39             'barang' => Barang::all()
40         ]);
41     }
42
43     Codeium: Refactor | Explain | Generate Function Comment | X
44     public function update(Request $request, Penerimaan $penerimaan)
45     {
46         $request->validate([
47             'jumlah' => 'required',
48         ]);
49
50         $penerimaan->update($request->input());
51         return Redirect::to(route('penerimaan.index'));
52     }
53
54     Codeium: Refactor | Explain | Generate Function Comment | X
55     public function destroy(Penerimaan $penerimaan)
56     {
57         $penerimaan->delete();
58         return Redirect::back();
59     }
60 }
```

13. 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 Codeium: Refactor | Explain
9 class Kategori extends Model
10 {
11     use HasFactory;
12
13     protected $guarded = [];
14
15     protected $table = 'kategori';
16 }
```

14. Model Suppliers

```
1  <?php
2  namespace App\Models;
3
4  use Illuminate\Database\Eloquent\Factories\HasFactory;
5  use Illuminate\Database\Eloquent\Model;
6
7  class Supplier extends Model
8  {
9      use HasFactory;
10
11      protected $guarded = [];
12
13      protected $table = 'suppliers';
14  }
15
```

15. Model Barang

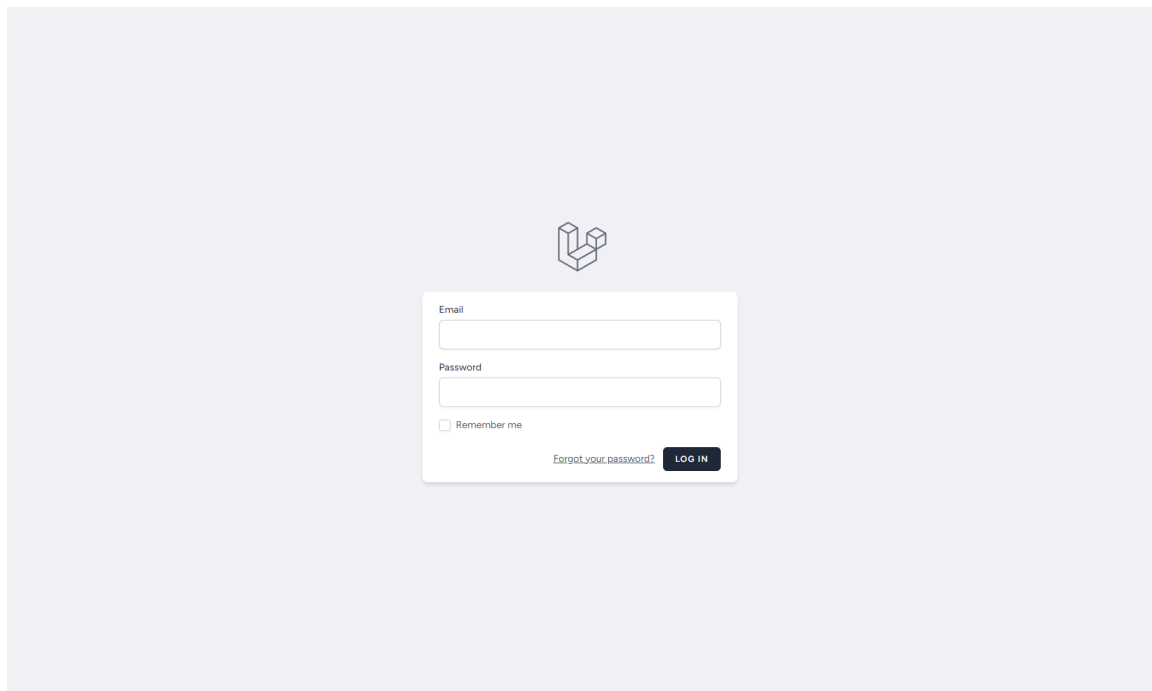
```
1  <?php
2  namespace App\Models;
3
4  use Illuminate\Database\Eloquent\Factories\HasFactory;
5  use Illuminate\Database\Eloquent\Model;
6  use Illuminate\Database\Eloquent\Relations\BelongsTo;
7
8  class Barang extends Model
9  {
10      use HasFactory;
11
12      protected $guarded = [];
13
14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

16. Model Penerimaan


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

B. Tampilan Aplikasi Web Manajemen Inventaris

1. Tampilan Login



2. Tampilan Registrasi



A registration form centered on a light gray background. The form is a white rectangle with rounded corners. It contains four input fields: 'Name', 'Email', 'Password', and 'Confirm Password'. Below the 'Confirm Password' field, there is a link 'Already registered?' and a dark blue 'REGISTER' button.

Name


Email

Password

Confirm Password

[Already registered?](#) **REGISTER**

3. Halaman Dashboard



Dashboard Kategori Suppliers Barang Penerimaan

Bintang ▾

Dashboard

You're logged in!


Manajemen Kategori
KATEGORI
Manajemen Kategori merupakan halaman untuk mengelola ka....
[Pergi ke manajemen kategori >](#)

Manajemen Suppliers
SUPPLIERS
Manajemen Supplier merupakan halaman untuk mengelola su....
[Pergi ke manajemen suppliers >](#)

Manajemen Barang
BARANG
Manajemen Barang merupakan halaman untuk mengelola bara....
[Pergi ke manajemen barang >](#)

Manajemen Penerimaan
PENERIMAAN
Manajemen Penerimaan merupakan halaman untuk mengelola....
[Pergi ke manajemen penerimaan >](#)

4. Halaman melihat, menambah, dan menghapus Kategori

 Dashboard Kategori Suppliers Barang Penerimaan Bintang ▾

Manajemen Kategori


Nama

Nama

Tambah

No	Nama	Ditambahkan	Action
1	Makanan	27 Jun 2024 15:36	<div>EditDelete</div>
2	Minuman	27 Jun 2024 15:36	<div>EditDelete</div>
3	Alat Tulis	27 Jun 2024 15:36	<div>EditDelete</div>
4	Gadget	27 Jun 2024 15:37	<div>EditDelete</div>
5	Furnitur	28 Jun 2024 02:03	<div>EditDelete</div>

5. Halaman mengedit Kategori

 Dashboard Kategori Suppliers Barang Penerimaan Bintang ▾

Manajemen Kategori


Edit Kategori

Nama

Makanan

Edit

6. Halaman melihat, menambah, dan menghapus Suppliers



DashboardKategoriSuppliersBarangPenerimaan

Bintang ▾

Manajemen Suppliers


Nama

Alamat

Tambah

No	Nama	Alamat	Ditambahkan	Action
1	Bintang	Purwokerto	27 Jun 2024 15:37	<div>EditDelete</div>
2	Skyla	Jakarta	27 Jun 2024 15:37	<div>EditDelete</div>
3	Miko	Jakarta	27 Jun 2024 15:37	<div>EditDelete</div>

7. Halaman mengedit Supplier



DashboardKategoriSuppliersBarangPenerimaan

Bintang ▾

Manajemen Suppliers


Edit Suppliers

Nama

Alamat

Edit

8. Halaman melihat, menambah, dan menghapus Barang

DashboardKategoriSuppliersBarangPenerimaan

Bintang ▾

Manajemen Barang

Nama

Deskripsi

Nama

Deskripsi

Harga

Kategori

Supplier

Tambah


Harga

Makanan ▾

Bintang ▾

No	Nama	Deskripsi	Harga	Kategori	Supplier	Ditambahkan	Action
1	Pulpen	Menulis di kertas	2000	Makanan	Miko	27 Jun 2024 15:38	<div>EditDelete</div>
2	Oreo	Cemilan nonton YT	8000	Makanan	Skyla	27 Jun 2024 15:38	<div>EditDelete</div>
3	Samsung	HP Korea Selatan	3000000	Minuman	Skyla	27 Jun 2024 15:38	<div>EditDelete</div>

9. Halaman mengedit Barang

DashboardKategoriSuppliersBarangPenerimaan

Bintang ▾

Manajemen Barang

Edit Barang

Nama

Deskripsi

Pulpen

Menulis di kertas

Harga

Kategori

Supplier


Edit

2000

Makanan ▾

Miko ▾

10. Halaman melihat, menambah, dan menghapus Penerimaan



DashboardKategoriSuppliersBarangPenerimaan

Bintang ▾

Manajemen Penerimaan

Tanggal Terima

Jumlah

Barang

Tambah


28/06/2024

Jumlah

Pulpen ▾

No	Tanggal Terima	Jumlah	Barang	Ditambahkan	Action
1	2024-06-27	3	Samsung	27 Jun 2024 15:39	<div>EditDelete</div>
2	2024-06-28	5	Samsung	28 Jun 2024 02:05	<div>EditDelete</div>
3	2024-06-28	32	Oreo	28 Jun 2024 02:58	<div>EditDelete</div>
4	2024-06-28	3	Pulpen	28 Jun 2024 03:00	<div>EditDelete</div>

11. Halaman mengedit penerimaan



DashboardKategoriSuppliersBarangPenerimaan

Bintang ▾

Manajemen Penerimaan

Edit Penerimaan

Tanggal Terima

Jumlah

Barang

Tambah

28/06/2024

32

Oreo ▾