

Laporan UAS Pemweb II

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Deskripsi Tugas Sistem Manajemen Inventaris

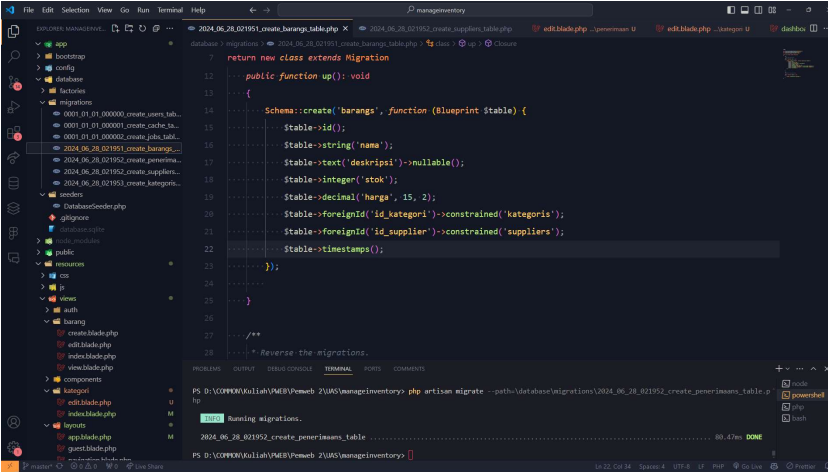
Tujuan: Membuat sebuah sistem manajemen inventaris berbasis web menggunakan framework Laravel. Sistem ini akan mencakup fitur untuk mengelola data barang, supplier, penerimaan, dan kategori. Selain itu, sistem akan memiliki fitur login untuk memastikan hanya pengguna yang terautentikasi yang dapat mengakses dan mengelola data.

Fitur Utama:

1. Manajemen Barang: Menambahkan, mengedit, menghapus, dan melihat data barang.
2. Manajemen Supplier: Menambahkan, mengedit, menghapus, dan melihat data supplier.
3. Manajemen Penerimaan: Menambahkan, mengedit, menghapus, dan melihat data penerimaan barang.
4. Manajemen Kategori: Menambahkan, mengedit, menghapus, dan melihat data kategori barang.
5. Autentikasi Pengguna: Fitur login untuk memastikan hanya pengguna yang terautentikasi yang dapat mengakses sistem.
6. Dashboard: Halaman utama yang menyediakan tautan cepat ke semua fitur manajemen data.

Source Code dan Screenshot

1. Migration
 - a. Barang



```
<?php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;
```

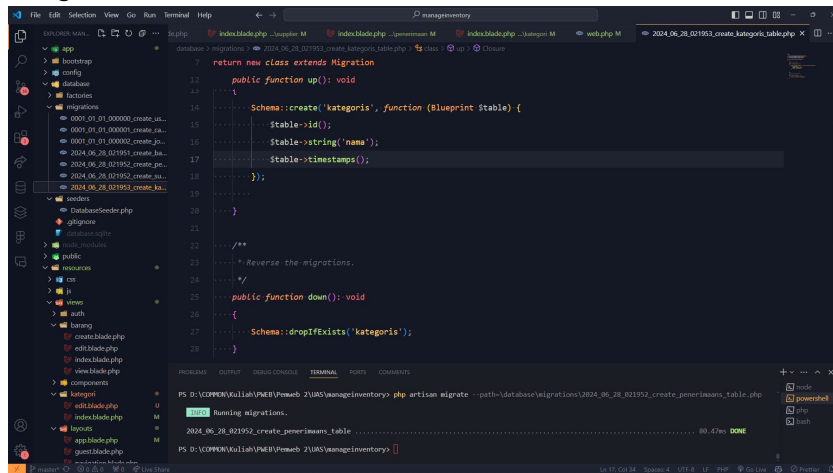
```

return new class extends Migration
{
    /**
     * Run the migrations.
     */
    public function up(): void
    {
        Schema::create('barangs', function
(Blueprint $table) {
            $table->id();
            $table->string('nama');
            $table->text('deskripsi')-
>nullable();
            $table->integer('stok');
            $table->decimal('harga', 15, 2);
            $table->foreignId('id_kategori')-
>constrained('kategoris');
            $table->foreignId('id_supplier')-
>constrained('suppliers');
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     */
    public function down(): void
    {
        Schema::dropIfExists('barangs');
    }
};

```

b. Kategori



```

<?php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

return new class extends Migration
{
    /**
     * Run the migrations.

```

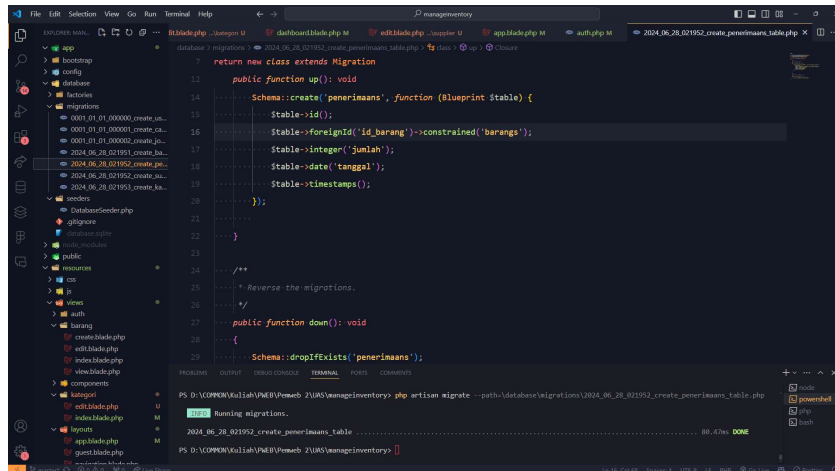
```

        */
        public function up(): void
        {
            Schema::create('kategoris', function
(Blueprint $table) {
                $table->id();
                $table->string('nama');
                $table->timestamps();
            });
        }

        /**
         * Reverse the migrations.
         */
        public function down(): void
        {
            Schema::dropIfExists('kategoris');
        }
    };

```

c. Penerimaan



```

<?php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

return new class extends Migration
{
    /**
     * Run the migrations.
     */
    public function up(): void
    {
        Schema::create('penerimaans', function
(Blueprint $table) {
            $table->id();
            $table->foreignId('id_barang')->
>constrained('barang');
            $table->integer('jumlah');
            $table->date('tanggal');
            $table->timestamps();
        });
    }
};

```

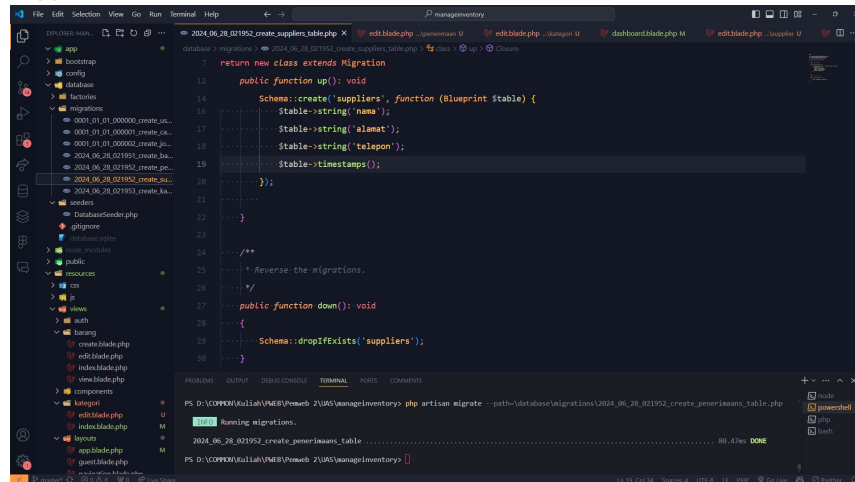
```

    }

    /**
     * Reverse the migrations.
     */
    public function down(): void
    {
        Schema::dropIfExists('penerimaans');
    }
};

```

d. Supplier



<?php

```

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

return new class extends Migration
{
    /**
     * Run the migrations.
     */
    public function up(): void
    {
        Schema::create('suppliers', function
(Blueprint $table) {
            $table->id();
            $table->string('nama');
            $table->string('alamat');
            $table->string('telepon');
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     */
    public function down(): void
    {
        Schema::dropIfExists('suppliers');
    }
};

```

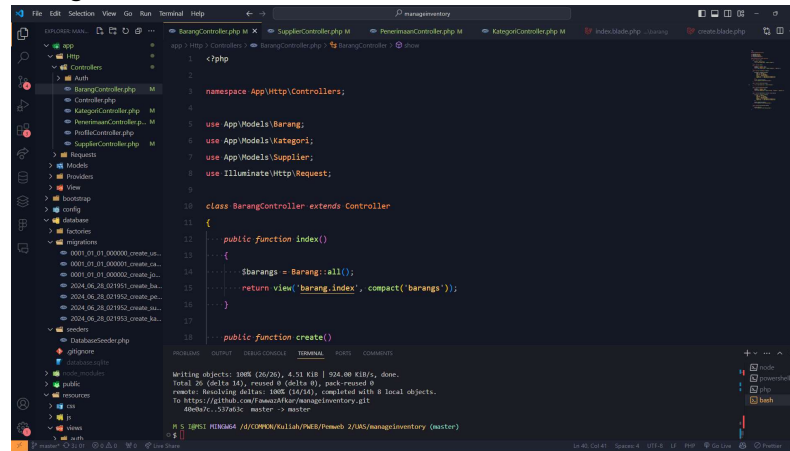
```

    }
};

```

2. CRUD

a. Barang



```

<?php

namespace App\Http\Controllers;

use App\Models\Barang;
use App\Models\Kategori;
use App\Models\Supplier;
use Illuminate\Http\Request;
use Illuminate\Support\Facades\DB;

class BarangController extends Controller
{
    public function index()
    {
        $barang =
        Barang::select('barang.*', 'kategoris.nama
as nama_kategori', 'suppliers.nama as
nama_supplier')
            ->join('suppliers',
'barang.id_supplier', '=', 'suppliers.id')
            ->join('kategoris',
'barang.id_kategori', '=', 'kategoris.id')
            ->get();
        return view('barang.index',
compact('barang'));
    }

    public function create()
    {
        $kategoris = Kategori::all();
        $suppliers = Supplier::all();
        return view('barang.create',
compact('kategoris', 'suppliers'));
    }

    public function store(Request $request)
    {

```

```

        $validated = $request->validate([
            'nama' => 'required',
            'deskripsi' => 'nullable',
            'stok' => 'required|integer',
            'harga' => 'required|numeric',
            'id_kategori' =>
                'required|exists:kategoris,id',
            'id_supplier' =>
                'required|exists:suppliers,id',
        ]);

        Barang::create($validated);
        return redirect()-
>route('barangs.index')->with('success',
    'Barang berhasil ditambahkan.');
```

```

    }

    public function edit(Barang $barang)
    {
        $kategoris = Kategori::all();
        $suppliers = Supplier::all();
        return view('barangs.edit',
compact('barang', 'kategoris', 'suppliers'));
    }

    public function update(Request $request,
Barang $barang)
    {
        $validated = $request->validate([
            'nama' => 'required',
            'deskripsi' => 'nullable',
            'stok' => 'required|integer',
            'harga' => 'required|numeric',
            'id_kategori' =>
                'required|exists:kategoris,id',
            'id_supplier' =>
                'required|exists:suppliers,id',
        ]);

        $barang->update($validated);
        return redirect()-
>route('barangs.index')->with('success',
    'Barang berhasil diubah.');
```

```

    }

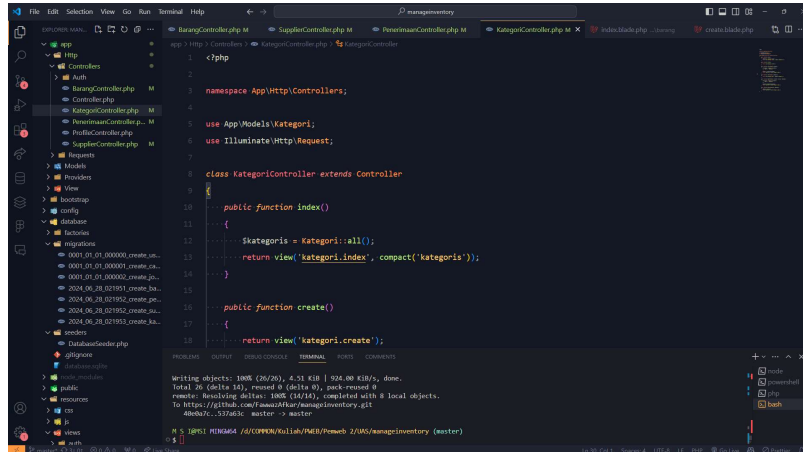
    public function destroy(Barang $barang)
    {
        $barang->delete();
        return redirect()-
>route('barangs.index')->with('success',
    'Barang berhasil dihapus.');
```

```

    }
}

```

b. Kategori



```
<?php

namespace App\Http\Controllers;

use App\Models\Kategori;
use Illuminate\Http\Request;

class KategoriController extends Controller
{
    public function index()
    {
        $kategoris = Kategori::all();
        return view('kategoris.index',
compact('kategoris'));
    }

    public function create()
    {
        return view('kategoris.create');
    }

    public function store(Request $request)
    {
        $validated = $request->validate([
            'nama' => 'required',
        ]);

        Kategori::create($validated);
        return redirect()-
>route('kategoris.index')->with('success',
'Kategori berhasil ditambahkan.');
```

```

    });

    $kategori->update($validated);
    return redirect()-
>route('kategoris.index')->with('success',
'Kategori berhasil diubah.');
```

```

    }

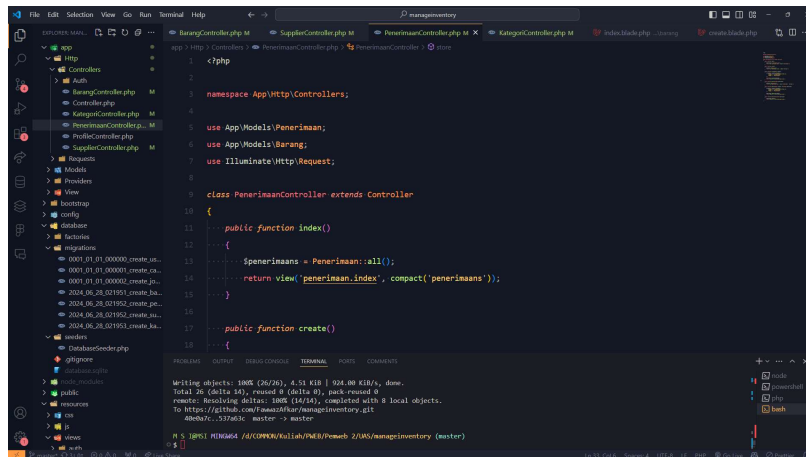
    public function destroy(Kategori
$kategori)
    {
        $kategori->delete();
        return redirect()-
>route('kategoris.index')->with('success',
'Kategori berhasil dihapus.');
```

```

    }
}

```

c. Penerimaan



```

<?php

namespace App\Http\Controllers;

use App\Models\Penerimaan;
use App\Models\Barang;
use Illuminate\Http\Request;

class PenerimaanController extends Controller
{
    public function index()
    {
        $penerimaans =
Penerimaan::select('penerimaans.*', 'barang.nama as
nama_barang')
->join('barangs',
'penerimaans.id_barang', '=', 'barangs.id')
->get();
        return view('penerimaans.index',
compact('penerimaans'));
    }

    public function create()
    {
        $barangs = Barang::all();
    }
}

```



```

        return view('penerimaans.create',
compact('barangs'));
    }

    public function store(Request $request)
    {
        $validated = $request->validate([
            'id_barang' =>
'required|exists:barangs,id',
            'jumlah' => 'required|integer',
            'tanggal' => 'required|date',
        ]);

        Penerimaan::create($validated);
        return redirect()->route('penerimaans.index')-
>with('success', 'Penerimaan berhasil ditambahkan.');
```

```

    }

    public function edit(Penerimaan $penerimaan)
    {
        $barangs = Barang::all();
        return view('penerimaans.edit',
compact('penerimaan', 'barangs'));
    }

    public function update(Request $request, Penerimaan
$penerimaan)
    {
        $validated = $request->validate([
            'id_barang' =>
'required|exists:barangs,id',
            'jumlah' => 'required|integer',
            'tanggal' => 'required|date',
        ]);

        $penerimaan->update($validated);
        return redirect()->route('penerimaans.index')-
>with('success', 'Penerimaan berhasil diubah.');
```

```

    }

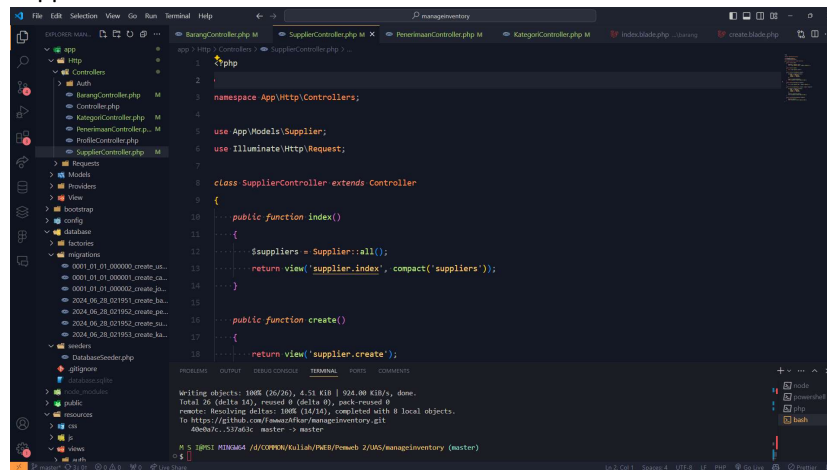
    public function destroy(Penerimaan $penerimaan)
    {
        $penerimaan->delete();
        return redirect()->route('penerimaans.index')-
>with('success', 'Penerimaan berhasil dihapus.');
```

```

    }
}

```

d. Supplier



```
<?php

namespace App\Http\Controllers;

use App\Models\Supplier;
use Illuminate\Http\Request;

class SupplierController extends Controller
{
    public function index()
    {
        $suppliers = Supplier::all();
        return view('suppliers.index',
compact('suppliers'));
    }

    public function create()
    {
        return view('suppliers.create');
    }

    public function store(Request $request)
    {
        $validated = $request->validate([
            'nama' => 'required',
            'alamat' => 'required',
            'telepon' => 'required',
        ]);

        Supplier::create($validated);
        return redirect()->route('suppliers.index')-
>with('success', 'Supplier berhasil ditambahkan.');
```

```

    {
        $validated = $request->validate([
            'nama' => 'required',
            'alamat' => 'required',
            'telepon' => 'required',
        ]);

        $supplier->update($validated);
        return redirect()->route('suppliers.index')-
>with('success', 'Supplier berhasil diubah.');
```

```

    }

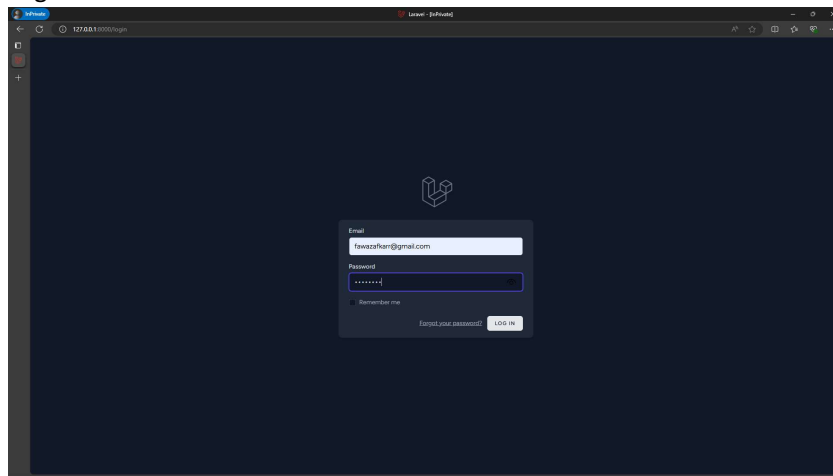
    public function destroy(Supplier $supplier)
    {
        $supplier->delete();
        return redirect()->route('suppliers.index')-
>with('success', 'Supplier berhasil dihapus.');
```

```

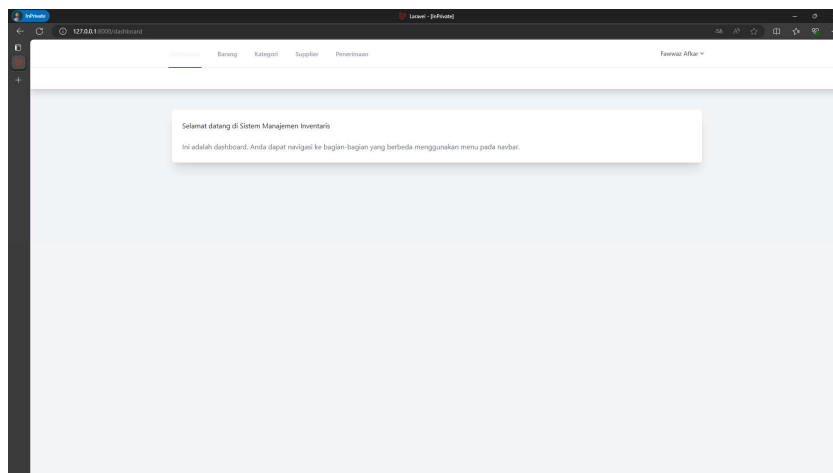
    }
}
```

3. Tampilan

a. Login



b. Dashboard



c. Barang

i. View

DashboardBarangKategoriSupplierPeminjaman

Barang Aktif

Daftar Barang

Tambah Barang

| Nama | Deskripsi | Stok | Harga | Kategori | Supplier | Aksi |
|---------------|--|------|--------------|---------------|--------------|--|
| Gula Premium | Gula Pasir dengan kualitas Tinggi dari Tebu yang diambil dari Jawa Timur | 500 | Rp 20.000,00 | Bahan Makanan | Acroma | Edit Hapus |
| Teh Kartasura | Teh asli daerah Kartasura | 100 | Rp 15.000,00 | Minuman | TypicalMadoe | Edit Hapus |
| Uluwu | Susu UHT dari Sapi ternak di bogor | 400 | Rp 10.000,00 | Minuman | Indofood | Edit Hapus |

ii. Create

DashboardBarangKategoriSupplierPeminjaman

Barang Aktif

Tambah Barang

Nama

Deskripsi

Stok

Harga

Kategori

Pilih Kategori

Supplier

Pilih Supplier

Tambah Barang

iii. Update

DashboardBarangKategoriSupplierPeminjaman

Barang Aktif

Edit Barang

Nama

Deskripsi

Stok

Harga

Kategori

Bahan Makanan

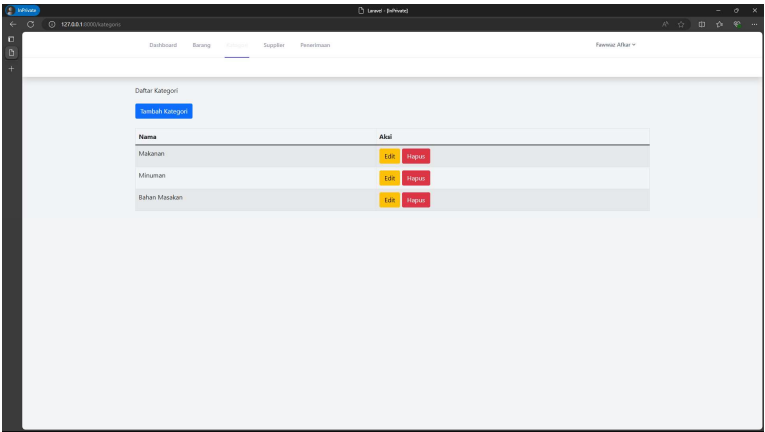
Supplier

Acroma

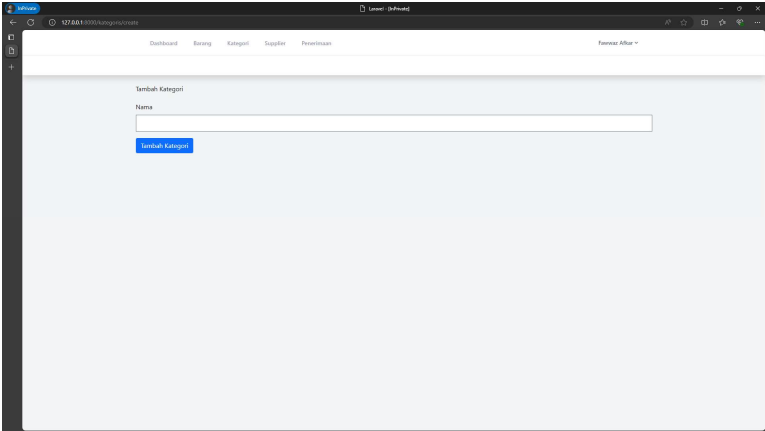
Update Barang

d. Kategori

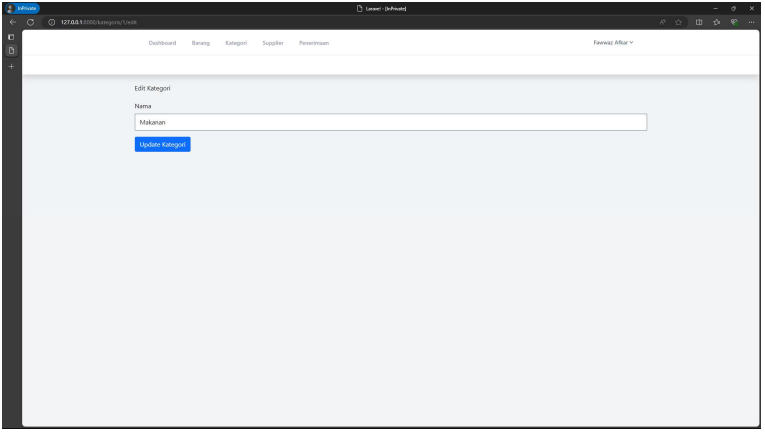
i. View



ii. Create



iii. Update



e. Penerimaan

i. View

DashboardBarangKategoriSupplierPenerimaan

Tambah Penerimaan

| ID | Barang | Jumlah | Tanggal Penerimaan | Aksi |
|----|---------------|--------|--------------------|----------------------|
| 1 | Gula Premium | 55 | 2024-06-28 | <div>edithapus</div> |
| 2 | Teh Karsasura | 100 | 2024-06-23 | <div>edithapus</div> |
| 3 | Ultrastar | 40 | 2024-06-26 | <div>edithapus</div> |

ii. Create

DashboardBarangKategoriSupplierPenerimaan

Tambah Penerimaan

Barang

Gula Premium

Jumlah

Tanggal

dd/mm/yyyy

Simpan

iii. Update

DashboardBarangKategoriSupplierPenerimaan

Ubah Penerimaan

Barang

Gula Premium

Jumlah

100

Tanggal

28/06/2024

Simpan

f. Supplier

i. View

127.0.0.1:5000/supplier/view

Dashboard Barang Kategori **Supplier** Penjualan

Daftar Supplier

Tambah Supplier

| Nama | Alamat | Telepon | Aksi |
|-------------|------------------------------|-------------|--------------------------------------|
| Indofood | Cikarang, Bekasi, Jawa Barat | 08123456789 | 1.85 Hapus |
| TjellaMader | Surakarta, Jawa Tengah | 08109999999 | 1.85 Hapus |
| Aceha | Surabaya, Jawa Timur | 0897654321 | 1.85 Hapus |

ii. Create

127.0.0.1:5000/supplier/create

Dashboard Barang Kategori **Supplier** Penjualan

Tambah Supplier

Nama

Alamat

Tambah Supplier

iii. Update

127.0.0.1:5000/supplier/edit

Dashboard Barang Kategori **Supplier** Penjualan

Edit Supplier

Nama

Indofood

Alamat

Cikarang, Bekasi, Jawa Barat

Update Supplier