

# LAMPIRAN



PT. BNI (PERSERO) MALANG  
BANK NIAGA MALANG

PERKUMPULAN PENGELOLA PENDIDIKAN UMUM DAN TEKNOLOGI NASIONAL MALANG  
**INSTITUT TEKNOLOGI NASIONAL MALANG**

FAKULTAS TEKNOLOGI INDUSTRI  
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN  
PROGRAM PASCASARJANA MAGISTER TEKNIK

Kampus I : Jl. Bendungan Sigura-gura No. 2 Telp. (0341) 551431 (Hunting). Fax. (0341) 553015 Malang 05145  
Kampus II : Jl. Raya Karanglo, Km 2 Telp. (0341) 417636 Fax. (0341) 417634 Malang

Malang, 15 Mei 2023

Nomor : ITN-561/III.INF/TA/2023  
Lampiran : ---  
Perihal : Pembimbing Utama Skripsi

Kepada : **Yth. Bpk/Ibu Febriana Santi Wahyuni, S.Kom.M.Kom**  
Dosen Program Studi Teknik Informatika S-1  
Institut Teknologi Nasional  
Malang

Dengan Hormat,  
Sesuai dengan permohonan dan persetujuan dalam proposal skripsi untuk mahasiswa :

Nama : Fadhil Nugroho Syahputro  
Nim : 1918033  
Prodi : Teknik Informatika S-1  
Fakultas : Teknologi Industri

Maka dengan ini pembimbingan kami serahkan sepenuhnya kepada Saudara/i selama waktu 6 (enam) bulan, terhitung mulai tanggal :

**11 Maret 2023 s/d 11 September 2023**

Sebagai satu syarat untuk menempuh Ujian Akhir Sarjana Teknik, Program Studi Teknik Informatika S-1.  
Demikian agar maklum dan atas perhatian serta bantuannya kami sampaikan terima kasih.



Mengetahui  
Program Studi Teknik Informatika S-1  
Febriana, S.Kom.M.Kom

Suryo Adi/Vibowo, ST., MT.  
NIP. 1031100438

Form S-4a



PERKUMPULAN PENGELOLA PENDIDIKAN UMUM DAN TEKNOLOGI NASIONAL MALANG  
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FAKULTAS TEKNOLOGI INDUSTRI  
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PROGRAM PASCASARJANA MAGISTER TEKNIK

PT. BIRU (PERSEKUTU) MALANG  
BANK HAGA MALANG

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Malang, 15 Mei 2023

Nomor : ITN-561/III INF/TA/2023  
Lampiran : ---  
Perihal : *Pembimbing Pendamping Skripsi*

Kepada : **Yth. Bpk/Ibu Renaldi Primaswara P.,S.Kom,M.Kom**  
Dosen Pembina Program Studi Teknik Informatika S-1  
Institut Teknologi Nasional  
Malang

Dengan Hormat,  
Sesuai dengan permohonan dan persetujuan dalam proposal skripsi untuk mahasiswa :

Nama : Fadhil Nugroho Syahputro  
Nim : 1918033  
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Mengetahui  
Program Studi Teknik Informatika S-1  
Ketua,

**Suryo Adi Wibowo, ST., MT.**  
NIP P. 103.100438

Form S-4a



INSTITUT TEKNOLOGI NASIONAL MALANG  
Fakultas Teknologi Industri  
Program Studi Teknik Informatika S1

## FORMULIR BIMBINGAN SKRIPSI

Nama : Fadhil Nugroho Syahputro  
Nim : 1910033  
Masa Bimbingan :  
Judul Skripsi : Sistem Peramalan Pada Distributor Makanan Ringan berbasis website menggunakan single exponential smoothing di CV. Wahyu Utama Abadi

No.	Tanggal	Uraian	Paraf Pembimbing
1	26-5-'23	Filter Input Data Barang, Lanjutkan program	hni
2	29-5-23.	Data learning di tambah th 2021, sesuai kan nama filter, Lanjutkan program	hni
3	30-5-23	Revisi Bab I + III, KRC Progress	hni
4	14-6-23	Lanjutkan program	hni
5	23-6-23	Deskripsi, tambahkan image di homepage, metode sdh implemented	hni
6	6-7-23	Program fix, Lanjutkan Laporan	hni
7	12-7-23	Revisi Bab I - IV	hni
8	13-7-23	KRC SEMHAS	hni
9	27-7-23	Revisi Pengujian	hni
10	3-8-23	Revisi Laporan	hni

11 10-8-23 KRC Uji Kongre

Malang,  
Dosen Pembimbing

  
(  
NIP. P 1031000425



INSTITUT TEKNOLOGI NASIONAL MALANG  
Fakultas Teknologi Industri  
Program Studi Teknik Informatika S1

## FORMULIR BIMBINGAN SKRIPSI

Nama : Feahil Nugroho Syahputro  
Nim : 1918033  
Masa Bimbingan :  
Judul Skripsi : Sistem Peramalan Pada Distributor Makanan Ringan Berbasis Website menggunakan single exponential smoothing di CV. Wahyu Utama Abadi

No.	Tanggal	Uraian	Paraf Pembimbing
1	03-04-2023	Perubahan Judul	
2	04-04-2023	Pemberian metode pada judul	
3	05-04-2023	Pengecekan data	
4	14-06-2023	Perubahan data training thn 2021	
5	19-06-2023	Lanjutkan Program	
6	03-07-2023	Program Fix lanjutkan laporan	
7	10-07-2023	Acc Semhas	
8	27-07-2023	Revisi Laporan	
9	03-08-2023	Revisi Pengujian	
10	07-08-2023	Acc kompre	

Malang,  
Dosen Pembimbing

NIP. P



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**BERITA ACARA UJIAN SKRIPSI**  
**FAKULTAS TEKNOLOGI INDUSTRI**

**Nama** : Fadhil Nugroho Syahputro  
**Nim** : 1918033  
**Jurusan** : Teknik Informatika S-1  
**Judul** : Sistem Peramalan Penjualan Pada Distributor Makanan Ringan Berbasis Website Menggunakan Single Exponential Smoothing Di CV. Wahyu Utama Abadi

Dipertahankan Dihadapan Majelis Penguji Skripsi Jenjang Strata Satu(S-1)  
Pada

**Hari** : Jumat  
**Tanggal** : 18 Agustus 2023  
**Nilai** : B+

Panitia Ujian Skripsi :  
Plt. Ketua Majelis Penguji

Yosep Agus Pranoto, ST, MT.  
NIP .P.1031000432

**Anggota Penguji :**

**Dosen Penguji I**

Joseph Deddy Irawan, S.T, M.T.  
NIP. 197404162005011002

**Dosen Penguji II**

Mira Orisa, S.T, M.T.  
NIP .P.1031000435



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**FORMULIR PERBAIKAN SKRIPSI**

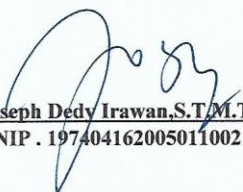
Dalam pelaksanaan ujian skripsi jenjang Strata 1 Program Studi Teknik Informatika ,  
maka perlu adanya perbaikan skripsi untuk mahasiswa :

NAMA : Fadhil Nugroho Syahputro  
NIM : 1918033  
JURUSAN : Teknik Informatika S-1  
JUDUL : SISTEM PERAMALAN PENJUALAN PADA DISTRIBUTOR  
MAKANAN RINGAN BERBASIS WEBSITE MENGGUNAKAN  
SINGLE EXPONENTIAL SMOOTHING DI CV. WAHYU  
UTAMA ABADI


No.	Penguji	Tanggal	Uraian
1.	Penguji I	18 Agustus 2023	<ol style="list-style-type: none"><li>1. Penulisan Sub Bab Diperhatikan</li><li>2. Single Exponential Smoothing harus muncul disetiap bab</li><li>3. Pengujian Per Produk</li></ol>
2.	Penguji II	18 Agustus 2023	<ol style="list-style-type: none"><li>1. Setiap teori harus menggunakan sitasi (sumber)</li><li>2. Penulis di samakan <i>font</i> dan <i>size</i> nya</li><li>3. Pada bab 3 tambahkan analisis user</li><li>4. Gambar kurang jelas</li><li>5. Harus detail untuk peramalan tiap – tiap barang ada 20</li><li>6. Alasan kenapa memilih alpha 0,3</li><li>7. Simpulan</li></ol>

**Anggota Penguji :**

**Dosen Penguji I**

  
**Joseph Dedy Irawan, S.T, M.T.**  
NIP . 197404162005011002

**Dosen Penguji II**

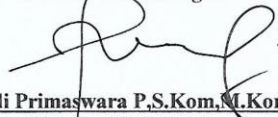
  
**Mira Orisa, S.T, M.T.**  
NIP .P.1031000435

**Mengetahui :**

**Dosen Pembimbing I**

  
**Febriana Santi W.S.Kom, M.Kom.**  
NIP .P.1031000425

**Dosen Pembimbing II**

  
**Renaldi Primaswara P.S.Kom, M.Kom.**  
NIP .P. 1031900558

## 1. Source Code Model User

```
<?php

namespace App\Models;

use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Foundation\Auth\User as Authenticatable;
use Illuminate\Support\Facades\Hash;
use Illuminate\Notifications\Notifiable;
use Laravel\Sanctum\HasApiTokens;

class User extends Authenticatable
{
    use HasApiTokens, HasFactory, Notifiable;

    protected $fillable = [
        'name',
        'username',
        'role',
        'email',
        'password',
    ];

    protected $hidden = [
        'password',
        'remember_token',
    ];

    protected $casts = [
        'email_verified_at' => 'datetime',
    ];
}
```



## 2. *Source Code Model Barang*

```
<?php

namespace App\Models;

use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;

class Barang extends Model
{
    use HasFactory;
    protected $guarded = [];
}
```

### 3. *Source Code Model Pemesanan*

```
<?php

namespace App\Models;

use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;

class Pemesanan extends Model
{
    use HasFactory;
    protected $guarded = [];
}
```

#### 4. *Source Code Model DataAktual*

```
<?php

namespace App\Models;

use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;

class DataAktual extends Model
{
    use HasFactory;
    protected $guarded = [];
}
```

## 5. *Source Code Model Peramalan*

```
<?php

namespace App\Models;

use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;

class Peramalan extends Model
{
    use HasFactory;
    protected $guarded = [];
}
```

## 6. *Source Code Model Hasil Peramalan*

```
<?php

namespace App\Models;

use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;

class HasilPeramalan extends Model
{
    use HasFactory;
    protected $guarded = [];
}
```

## 7. Source Code Auth LoginController

```
<?php

namespace App\Http\Controllers\Auth;

use App\Http\Controllers\Controller;
use App\Providers\RouteServiceProvider;
use Illuminate\Foundation\Auth\AuthenticatesUsers;

use Illuminate\Http\Request;
use Auth;
use Alert;

class LoginController extends Controller
{
    /**
     |-----
     | Login Controller
     |-----
     |
     | This controller handles authenticating users for the
     application and
     | redirecting them to your home screen. The controller
     uses a trait
     | to conveniently provide its functionality to your
     applications.
     |
     */

    use AuthenticatesUsers;

    /**
     * Where to redirect users after login.
     *
     * @var string
     */
    protected $redirectTo = RouteServiceProvider::HOME;

    /**
     * Create a new controller instance.
     *
     * @return void
     */
    public function __construct()
    {
        $this->middleware('guest')->except('logout');
    }

    public function login(Request $request){
        $input = $request->all();
        $this->validate($request,[
            'username'=>'required',
            'password'=>'required'
        ]);
    }
}
```

```
        if( auth()-
>attempt(array('username'=>$input['username'],
'password'=>$input['password'])) ) {

        if( auth()->user()->role == 1 ){
            return redirect()->route('atasan.dashboard');
        }
        elseif( auth()->user()->role == 2 ){
            return redirect()->route('karyawan.dashboard');
        }

        }else{
            return redirect()->route('login')-
>with('Alert','Username atau Email, Salah !');
        }
    }

    public function logout()
    {
        Auth::logout();
        return redirect()->route('login');
    }
}
```

## 8. Source Code DashboardController Role Atasan

```
<?php

namespace App\Http\Controllers\Atasan;

use App\Http\Controllers\Controller;
use Illuminate\Http\Request;
use App\Models\{
    Barang,
    Pemesanan,
    DataAktual
};

class DashboardController extends Controller
{
    public function index()
    {
        $barangs = Barang::all()->count();
        $pemesanans = Pemesanan::all()->count();
        $penjualan = DataAktual::all();
        $tahun = $penjualan->pluck('tahun')->unique();
        $bulan =
        ['Januari', 'Februari', 'Maret', 'April', 'Mei', 'Juni', 'Juli', 'A
        gustus', 'September', 'Oktober', 'November', 'Desember'];
        $januari = $penjualan->where('bulan', 1)-
        >pluck('penjualan')->sum();
        $februari = $penjualan->where('bulan', 2)-
        >pluck('penjualan')->sum();
        $maret = $penjualan->where('bulan', 3)-
        >pluck('penjualan')->sum();
        $april = $penjualan->where('bulan', 4)-
        >pluck('penjualan')->sum();
        $mei = $penjualan->where('bulan', 5)-
        >pluck('penjualan')->sum();
        $juni = $penjualan->where('bulan', 6)-
        >pluck('penjualan')->sum();
        $juli = $penjualan->where('bulan', 7)-
        >pluck('penjualan')->sum();
        $agustus = $penjualan->where('bulan', 8)-
        >pluck('penjualan')->sum();
        $september = $penjualan->where('bulan', 9)-
        >pluck('penjualan')->sum();
        $oktober = $penjualan->where('bulan', 10)-
        >pluck('penjualan')->sum();
        $november = $penjualan->where('bulan', 11)-
        >pluck('penjualan')->sum();
        $desember = $penjualan->where('bulan', 12)-
        >pluck('penjualan')->sum();
        return view('Super-Admin.Landing-
        Page.dashboard', compact('barangs', 'pemesanans', 'bulan', 'janu
        ari', 'februari', 'maret',
        'april', 'mei', 'juni', 'juli', 'agustus', 'september', 'oktober',
        'november', 'desember', 'tahun'));
    }

    public function create()
    {
```



```
        //
    }

    public function store(Request $request)
    {
        //
    }

    public function show(string $id)
    {
        //
    }

    public function edit(string $id)
    {
        //
    }

    public function update(Request $request, string $id)
    {
        //
    }

    public function destroy(string $id)
    {
        //
    }
}
```

## 9. Source Code UserController Role Atasan

```
<?php

namespace App\Http\Controllers\Atasan;

use App\Http\Controllers\Controller;
use Illuminate\Http\Request;
use Illuminate\Support\Facades\Hash;
use App\Models\User;
use Alert;

class UserController extends Controller
{
    public function index()
    {
        $users = User::all();
        return view('Super-Admin.User-
Page.index',compact('users'));
    }

    public function create()
    {
        return view('Super-Admin.User-Page.create');
    }

    public function store(Request $request)
    {
        $users=User::create([
            'name' =>$request->name,
            'email'=>$request->email,
            'username' =>$request->username,
            'role' => 2,
            'password' =>Hash::make($request->password)
        ]);
        if($users){
            Alert::success('User
Ditambahkan','Selamat');
            return redirect()->route('user.index');
        }
        else{
            Alert::error('User
Gagal
Ditambahkan','Coba
Lagi');
            return redirect()->route('user.index');
        }
    }

    public function show(string $id)
    {
        //
    }

    public function edit(string $id)
    {
        $users = User::find($id);
        return view('Super-Admin.User-
Page.edit',compact('users'));
    }
}
```

```
public function update(Request $request, string $id)
{
    $users = User::find($id);
    $users->update($request->all());
    if($users){
        Alert::success('User Berhasil Diubah','Selamat');
        return redirect()->route('user.index');
    }
    else{
        Alert::error('User Gagal Diubah','Coba Lagi');
        return redirect()->route('user.edit');
    }
}

public function destroy(string $id)
{
    $users = User::find($id);
    if($users->delete())
    {
        Alert::success('User Berhasil Dihapus',
'Success');
        return redirect()->route('user.index');
    }
    else{
        Alert::error('User Gagal Dihapus','Coba Lagi');
        return redirect()->route('user.index');
    }
}
}
```

## 10. Source Code BarangController Role Atasan

```
<?php

namespace App\Http\Controllers\Atasan;

use App\Http\Controllers\Controller;
use Illuminate\Http\Request;
use App\Models\Barang;
use Alert;

class BarangController extends Controller
{
    public function index()
    {
        $barangs = Barang::paginate(10);
        return view('Super-Admin.Barang-Page.barang', compact('barangs'));
    }

    public function create()
    {
        return view('Super-Admin.Barang-Page.create');
    }

    public function store(Request $request)
    {
        $barangs=Barang::create([
            'nama_barang'=>$request->nama_barang,
            'satuan' =>$request->satuan,
            'harga' =>$request->harga,
            'stok' =>$request->stok,
            'penjualan' =>$request->penjualan
        ]);
        if($barangs){
            Alert::success('Berhasil Menambahkan', $barangs->nama_barang, 'Selamat');
            return redirect()->route('barangs.index');
        }
        else{
            Alert::error('Gagal Menambahkan', $barangs->nama_barang, 'Coba Lagi');
            return redirect()->route('barangs.index');
        }
    }

    public function show(string $id)
    {
        //
    }

    public function edit(string $id)
    {
        $barangs = Barang::find($id);
        return view('Super-Admin.Barang-Page.edit', compact('barangs'));
    }

    public function update(Request $request, string $id)
```

```
{
    $barang = Barang::find($id);
    $barang->update($request->all());
    if($barang){
        Alert::success($barang->nama_barang, 'Berhasil
Diubah', 'Selamat');
        return redirect()->route('barang.index');
    }
    else{
        Alert::error($barang->nama_barang, 'Gagal
Diubah', 'Coba Lagi');
        return redirect()->route('barang.edit');
    }
}

public function destroy(string $id)
{
    $barang = Barang::find($id);
    if($barang->delete())
    {
        Alert::success($barang->nama_barang, 'Berhasil
Dihapus', 'Success');
        return redirect()->route('barang.index');
    }
    else{
        Alert::error($barang->nama_barang, 'Barang Gagal
Dihapus', 'Coba Lagi');
        return redirect()->route('barang.index');
    }
}
}
```

## 11. Source Code PemesananController Role Atasan

```
<?php

namespace App\Http\Controllers\Atasan;

use App\Http\Controllers\Controller;
use Illuminate\Http\Request;
use App\Models\Pemesanan;
use App\Models\Barang;
use Alert;
use DB;

class PemesananController extends Controller
{
    public function index()
    {
        $pesanans = Pemesanan::paginate(10);
        return view('Super-Admin.Pemesanan-
Page.Pemesanan', compact('pesanans'));
    }

    public function create()
    {
        $barangs = Barang::where('stok', '>', 0)->get();
        return view('Super-Admin.Pemesanan-
Page.create', compact('barangs'));
    }

    public function store(Request $request)
    {
        $pesanans=Pemesanan::create([
            'nama_pemesan'=>$request->nama_pemesan,
            'alamat'=>$request->alamat,
            'nohp'=>$request->nohp,
            'nama_barang'=>$request->nama_barang,
            'id_barang'=>$request->id,
            'satuan' =>$request->satuan,
            'harga' =>$request->harga,
            'jumlah' =>$request->jumlah,
            'total' =>$request->total,
            'status'=> 0
        ]);
        if($pesanans){
            Alert::success('Pesanan
Ditambahkan', 'Success');
            return redirect()->route('pemesanans.index');
        }
        else{
            Alert::error('Pesanan
Ditambahkan', 'Error');
            return redirect()->route('pemesanans.index');
        }
    }

    public function show(string $id)
    {
        //
    }
}
```

```

public function edit(string $id)
{
    $barang = Barang::where('stok','>',0)->get();
    $pesanans = Pemesanan::find($id);
    return view('Super-Admin.Pemesanan-
Page.edit',compact('pesanans','barang'));
}

public function update(Request $request, string $id)
{
    $pesanans = Pemesanan::find($id);
    $pesanans->update($request->all());
    if($pesanans){
        Alert::success('Pesanan
Diubah','Success');
        return redirect()->route('pemesanans.index');
    }
    else{
        Alert::error('Pesanan Gagal Diubah','Error');
        return redirect()->route('pemesanans.edit');
    }
}

public function destroy(string $id)
{
    $pesanans = Pemesanan::find($id);
    if($pesanans->delete()){
        Alert::success('Berhasil Dihapus','Success');
        return redirect()->route('pemesanans.index');
    }
    else{
        Alert::error('Gagal Dihapus','Error');
        return redirect()->route('pemesanans.index');
    }
}

public function proses($id)
{
    $pesanans = Pemesanan::find($id);
    $pesanans->status = 1;
    $pesanans->save();

    $barang = Barang::find($pesanans->id_barang);
    $barang->stok=$barang->stok - $pesanans->jumlah;
    $barang->penjualan = $barang->penjualan +
$pesanans->jumlah;
    $barang->save();
    if($pesanans){
        Alert::success('Pesanan
Terverifikasi','Success');
        return redirect()->route('pemesanans.index');
    }
    else{
        Alert::error('Pesanan
Terverifikasi','Error');
        return redirect()->route('pemesanans.index');
    }
}

```

```

}

// Ajax for table Nama Barang
function fetch(Request $request)
{
    $select = $request->get('select');
    $value = $request->get('value');
    $dependent = $request->get('dependent');
    $data = DB::table('barangs')
        ->where($select, $value)
        ->groupBy($dependent)
        ->get();
    foreach ($data as $row){
        $output = '<option value="' . $row->$dependent .
'"name="nama_barang" selected>' . ucfirst($row->$dependent) .
'</option>';
    }
    echo $output;
}

// Ajax for satuan
function fetch1(Request $request)
{
    $select = $request->get('select');
    $value = $request->get('value');
    $dynamic = $request->get('dynamic');
    $data = DB::table('barangs')
        ->where($select, $value)
        ->groupBy($dynamic)
        ->get();
    foreach ($data as $row) {
        $output = '<option value="' . $row->$dynamic . '"
name="satuan" selected>' . ucfirst($row->$dynamic) .
'</option>';
    }
    echo $output;
}

// Ajax for Harga
function fetch2(Request $request)
{
    $select = $request->get('select');
    $value = $request->get('value');
    $dynamic1 = $request->get('dynamic1');
    $data = DB::table('barangs')
        ->where($select, $value)
        ->groupBy($dynamic1)
        ->get();
    foreach ($data as $row) {
        $output = '<option value="' . $row->$dynamic1 .
'" name="harga" selected>' . ucfirst($row->$dynamic1) .
'</option>';
    }
    echo $output;
}
}

```



## 12. Source Code DataAktualController Role Atasan

```
<?php

namespace App\Http\Controllers\Atasan;

use App\Http\Controllers\Controller;
use Illuminate\Http\Request;
use DB;
use Carbon\Carbon;
use App\Models\{
    DataAktual,
    Barang,
    Pemesanan
};
use Alert;

class DataAktualController extends Controller
{
    public function index()
    {
        $datas = DataAktual::paginate(20);
        return view('Super-Admin.DataAktual-
Page.data_aktual', compact('datas'));
    }

    public function create()
    {
        $barangs = Barang::all();
        return view('Super-Admin.DataAktual-
Page.create', compact('barangs'));
    }

    public function store(Request $request)
    {
        $Pemesanans = Pemesanan::find($request->id);
        $tanggal = $request->tahun.'-'. $request->bulan;
        $hitung_penjualan =
Pemesanan::where('nama_barang', $request->nama_barang)-
>where('status',1)->whereMonth('created_at', $request-
>bulan)->whereYear('created_at', $request->tahun)-
>sum('jumlah');
        if($hitung_penjualan == null)
        {
            Alert::error('Data Penjualan Tidak
Ditemukan', 'Error');
            return redirect()->route('data.index');
        }
        else if($datas =
DataAktual::where('nama_barang', $request->nama_barang)-
>where('bulan', $request->bulan)->where('tahun', $request-
>tahun)->first())
        {
            Alert::error('Data Penjualan Sudah Ada', 'Silahkan
Cek Kembali', 'Error');
            return redirect()->route('data.index');
        }
        else
        {

```

```

        $datas = DataAktual::create([
            'nama_barang' => $request->nama_barang,
            'bulan' => $request->bulan,
            'tahun' => $request->tahun,
            'penjualan' => $hitung_penjualan,
        ]);
        Alert::success('Data Berhasil
Ditambahkan','Success');
        return redirect()->route('data.index');
    }

    public function show(string $id)
    {
        //
    }

    public function edit(string $id)
    {
        return view('Super-Admin.DataAktual-Page.edit');
    }

    public function update(Request $request, string $id)
    {
        $datas = DataAktual::find($id);
        $datas->update([
            'bulan' => Carbon::now('Asia/Jakarta')->format('m'),
            'tahun' => Carbon::now('Asia/Jakarta')->format('Y'),
            'penjualan' => $request->penjualan,
        ]);
        return redirect()->route('data-aktual.index')->with('success','Data Berhasil Diubah');
    }

    public function destroy(string $id)
    {
        $datas = DataAktual::find($id);
        $datas->delete();
    }

    // Ajax for table Nama Barang
    public function barang(Request $request)
    {
        $select = $request->get('select');
        $value = $request->get('value');
        $dependent = $request->get('dependent');
        $data = DB::table('barangs')
            ->where($select, $value)
            ->groupBy($dependent)
            ->get();
        foreach ($data as $row){
            $output = '<option value="' . $row->$dependent .
            '"name="nama_barang" selected>' . ucfirst($row->$dependent) .
            '</option>';
        }
        echo $output;
    }
}

```

```
function fetch1(Request $request)
{
    $select = $request->get('select');
    $value = $request->get('value');
    $dynamic = $request->get('dynamic');
    $data = DB::table('pemesanans')
        ->where($select, $value)
        ->groupBy($dynamic)
        ->get();
    foreach ($data as $row) {
        $output = '<option value="' . $row->$dynamic . '"
name="jumlah" selected>' . ucfirst($row->$dynamic) .
'</option>';
    }
    echo $output;
}
}
```

### 13. Source Code PeramalanController Role Atasan

```
<?php

namespace App\Http\Controllers\Atasan;

use App\Http\Controllers\Controller;
use Illuminate\Http\Request;
use App\Models\{
    Peramalan,
    Barang,
    DataAktual,
    HasilPeramalan
};
use Alert;
use Carbon\Carbon;

class PeramalanController extends Controller
{
    public function index()
    {
        $barangs = Barang::all();
        return view('Super-Admin.Peramalan-
Page.Peramalan', compact('barangs'));
    }

    public function create()
    {
        $peramalans = Peramalan::all()->toArray();
        for ($i = 0; $i < 3; $i++) {
            $hasil_peramalans = new HasilPeramalan;
            $hasil_peramalans->nama_barang =
$peramalans[$i]['nama_barang'];
            $hasil_peramalans->bulan =
$peramalans[$i]['bulan'];
            $hasil_peramalans->hasil_peramalan =
$peramalans[$i]['hasil_peramalan'];
            $hasil_peramalans->mape =
$peramalans[$i]['mape'];
            $hasil_peramalans->tahun =
$peramalans[$i]['tahun'];
            $hasil_peramalans->save();
        }
        return redirect()->route('peramalan.result');
    }

    public function store(Request $request)
    {
    }

    public function show(string $id)
    {
        //
    }

    public function edit(string $id)
    {
        //
    }
}
```

```

public function update(Request $request, string $id)
{
    //
}

public function destroy(string $id)
{
    //
}

public function result()
{
    $hasil_peramalan = HasilPeramalan::all();
    return view('Super-Admin.Peramalan-
Page.hasil',compact('hasil_peramalan'));
}

public function proses(Request $request)
{
    $barangs = Barang::all();
    $nama_barang = $request->nama_barang;
    $tahun = $request->tahun;
    $data = DataAktual::where('nama_barang',$request-
>nama_barang)->get();
    $data_bulan = $data->pluck('bulan')->toArray();
    $bulan = array();
    for($i=0; $i < count($data_bulan); $i++){
        $bulan[$i] = date('F', mktime(0, 0, 0,
$data_bulan[$i]));
    };

    //penambahan bulan
    $jumlah_data = count($data);
    $tambah_bulan = $data[$jumlah_data-1]->bulan+1;
    $bulan_sekarang = array();
    for($i=0; $i < 3; $i++){
        $bulan_sekarang[$i] = date('F', mktime(0, 0, 0,
$tambah_bulan));
        $tambah_bulan++;
    };

    //single exponential smoothing

    $alpha = $request->alpha;
    if ($alpha >= 1)
    {
        Alert::error('Alpha tidak boleh lebih dari 0.9',
'Masukkan nilai alpha seperti contoh');
        return redirect()->route('peramalan.index');
    }
    elseif($alpha <=0)
    {
        Alert::error('Alpha tidak boleh 0', 'Masukkan
nilai alpha seperti contoh');
        return redirect()->route('peramalan.index');
    }
    else
    {

```

```

$result = array();
$result[0] = $data[0]->penjualan;
$result[1] = $result[0];
for ($i = 2; $i < count($data)+1; $i++) {
    $result[$i] = $result[$i - 1] + $alpha *
($data[$i-1]->penjualan - $result[$i - 1]);
};

//single exponential 3 bulan kedepan
$hasil_peramalan = end($result);

//mad
$aktual = $data->pluck('penjualan')->toArray();
$mad = array();
$mad[0] = 0;
for ($i = 1; $i < count($aktual); $i++) {
    $mad[$i] = abs($aktual[$i] - $result[$i]);
}

//mse
$aktual = $data->pluck('penjualan')->toArray();
$mse = array();
$mse[0] = 0;
for ($i = 1; $i < count($aktual); $i++) {
    $mse[$i] = pow(($aktual[$i] -
$result[$i]),2);
}

//mape
$aktual = $data->pluck('penjualan')->toArray();
$mape = array();
$mape[0] = 0;
for ($i = 1; $i < count($aktual); $i++) {
    $mape[$i] = ((abs($aktual[$i] -
$result[$i])/ $aktual[$i])*100) ;
}
$sum_mape = array_sum($mape)/count($aktual);

//peramalan 3 bulan kedepan
$hasil = array();
$hasil[0] = $hasil_peramalan;
for ($i = 1; $i < count($bulan_sekarang); $i++) {
    $hasil[$i] = $hasil[$i - 1] + $alpha *
($data[$i]->penjualan - $hasil[$i - 1]);
};

// mape peramalan 3 bulan kedepan
$mape_3_bulan = array();
$mape_3_bulan[0] = 0;
for ($i = 1; $i < count($hasil); $i++) {
    $mape_3_bulan[$i] = ((abs($hasil[$i] -
$result[$i])/ $hasil[$i])*100) ;
}
$sum_mape_3_bulan =
array_sum($mape_3_bulan)/count($hasil);

Peramalan::truncate();

```

```
        for ($i = 0; $i < count($hasil); $i++) {
            $peramalans = new Peramalan;
            $peramalans->nama_barang = $request->nama_barang;
            $peramalans->bulan = $bulan_sekarang[$i];
            $peramalans->hasil_peramalan = $hasil[$i];
            $peramalans->mape = $mape_3_bulan[$i];
            $peramalans->tahun = $request->tahun;
            $peramalans->save();
        }

        return view('Super-Admin.Peramalan-Page.Peramalan',
compact('nama_barang', 'data', 'bulan', 'barangs', 'result', 'mape',
'mad', 'mse', 'sum_mape', 'hasil_peramalan', 'bulan_sekarang', 'hasil', 'sum_mape_3_bulan', 'tahun'));
    }
}
```

## 14. Source Code View Auth Login

```
<!doctype html>
<html lang="en">

<head>
  <title>Login</title>
  <link rel="icon" href="{{ asset('img/Logo_Login.png')
  }}">
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width,
  initial-scale=1, shrink-to-fit=no">

  <link
  href="https://fonts.googleapis.com/css?family=Lato:300,400,7
  00&display=swap" rel="stylesheet">

  <link rel="stylesheet"
  href="https://stackpath.bootstrapcdn.com/font-
  awesome/4.7.0/css/font-awesome.min.css">

  <link rel="stylesheet" href="{{
  asset('login_vendor/css/style.css') }}">
</head>

<body>
  @include('sweetalert::alert')
  <section class="ftco-section">
    <div class="container">
      <div class="row justify-content-center">
        <div class="col-md-6 text-center mb-5">
          </div>
        </div>
        <div class="row justify-content-center">
          <div class="col-md-7 col-lg-5">
            <div class="wrap">
              <div class="img"
              style="background-image:
              url(login_vendor/images/Logo_Halaman.png);background-
              color:#343A40 ;border-radius: 10px; max-height: auto">
                </div>
                <div class="login-wrap p-4 p-md-5">
                  <div class="d-flex">
                    <div class="w-100">
                      <h3 class="mb-4"><b>Sign
  In</b></h3>
                      </div>
                    </div>
                    <div>
                      <form action="{{ route('login')
  }}" class="signin-form" method="POST">
                        @csrf
                        <div class="form-group mt-3">
                          <input type="text"
  name="username" class="form-control" required>
                          <label class="form-
  control-placeholder" name="username" for="username"
  required>Username</label>

```





```

href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback">
  <!-- Font Awesome -->
  <link rel="stylesheet" href="{{
asset('plugins/fontawesome-free/css/all.min.css') }}">
  <link rel="stylesheet
href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.4.0/css/all.min.css">
  <!-- Ionicons -->
  {{-- <link rel="stylesheet"
href="https://code.ionicframework.com/ionicons/2.0.1/css/ion-
icons.min.css'}}"> --}}
  <!-- Tempusdominus Bootstrap 4 -->
  <link rel="stylesheet" href="{{
asset('plugins/tempusdominus-bootstrap-4/css/tempusdominus-
bootstrap-4.min.css') }}">
  <!-- iCheck -->
  <link rel="stylesheet" href="{{ asset('plugins/ichack-
bootstrap/ichack-bootstrap.min.css') }}">
  <!-- JQVMap -->
  <link rel="stylesheet" href="{{
asset('plugins/jqvmap/jqvmap.min.css') }}">
  <!-- Theme style -->
  <link rel="stylesheet" href="{{
asset('css/adminlte.min.css') }}">
  <!-- overlayScrollbars -->
  <link rel="stylesheet" href="{{
asset('plugins/overlayScrollbars/css/OverlayScrollbars.min.c
ss') }}">
  <!-- Daterange picker -->
  <link rel="stylesheet" href="{{
asset('plugins/daterangepicker/daterangepicker.css') }}">
  <!-- summernote -->
  <link rel="stylesheet" href="{{
asset('plugins/summernote/summernote-bs4.min.css') }}">
</head>

<body class="hold-transition sidebar-mini layout-fixed">
  <div class="wrapper">
    <!-- Navbar -->
    <nav class="main-header navbar navbar-expand navbar-
white navbar-light">
      <!-- Left navbar links -->
      <ul class="navbar-nav">
        <li class="nav-item">
          <a class="nav-link" data-
widget="pushmenu" href="#" role="button"><i
class="fas fa-bars"></i></a>
        </li>
        <li class="nav-item d-none d-sm-inline-
block">
          <a href="{{route('atasan.dashboard')}}"
class="nav-link">Home</a>
        </li>
      </ul>

      <!-- Right navbar links -->
      <ul class="navbar-nav ml-auto">

```

```

        <!-- Messages Dropdown Menu -->

        <!-- Notifications Dropdown Menu -->
    </ul>
</nav>
<!-- /.navbar -->

    <!-- Main Sidebar Container -->
    <aside class="main-sidebar sidebar-dark-primary
elevation-4">
        <!-- Brand Logo -->
        <a href="#" class="brand-link">
            {!--  --}}
            <span class="brand-text font-weight-light"
style="color: white"><strong>CV.Wahyu Utama </strong> <strong
style="color:#F24C3D">Abadi</strong></span>
        </a>

        <!-- Sidebar -->
        <div class="sidebar">
            <!-- Sidebar user panel (optional) -->
            <div class="user-panel mt-3 pb-3 mb-3 d-
flex">
                <div class="info">
                    <a href="/" class="d-block">
                        @if (Auth()->user()->role = 1)
                        <h3>{{Auth()->user()->username}}
&nbsp;<strong style="font-size: 18px">Atasan</strong></h3>
                        @endif
                    </a>
                </div>
            </div>
        </div>

            <!-- Sidebar Menu -->
            @include('layout.layout-superadmin.sidebar')
            <!-- /.sidebar-menu -->
        </div>
    <!-- /.sidebar -->
</aside>

<!-- Content Wrapper. Contains page content -->

<!-- /.content-header -->
@yield('content')

</div>
</div>
<!-- /.content-wrapper -->

<div class="m">
    <footer class="main-footer">
        <strong>Copyright &copy; 2023 <a
href="/">CV.Wahyu Utama Abadi</a>.</strong>
        All rights reserved.
    </footer>
</div>

```

```

        <div class="float-right d-none d-sm-inline-
block">
        </div>
    </footer>
</div><!-- ./wrapper -->
</div>

<!-- jQuery -->
<script src="{ asset('plugins/jquery/jquery.min.js')
}"></script>
<!-- jQuery UI 1.11.4 -->
<script src="{ asset('plugins/jquery-ui/jquery-
ui.min.js') }}"></script>
<!-- Resolve conflict in jQuery UI tooltip with Bootstrap
tooltip -->
<script>
    $.widget.bridge('uibutton', $.ui.button)
</script>
<!-- Bootstrap 4 -->
<script src="{
asset('plugins/bootstrap/js/bootstrap.bundle.min.js')
}"></script>
<!-- ChartJS -->
<script src="{ asset('plugins/chart.js/Chart.min.js')
}"></script>
<!-- Sparkline -->
<script src="{ asset('plugins/sparklines/sparkline.js')
}"></script>
<script src="{
asset('plugins/select2/js/select2.full.min.js')
}"></script>
<!-- JQVMap -->
<script src="{
asset('plugins/jqvmap/jquery.vmap.min.js') }}"></script>
    {{-- <script src="{
asset('plugins/jqvmap/maps/jquery.vmap.usa.js')
}"></script> --}}
<!-- jQuery Knob Chart -->
<script src="{
asset('plugins/jquery-
knob/jquery.knob.min.js') }}"></script>
<!-- daterangepicker -->
<script src="{ asset('plugins/moment/moment.min.js')
}"></script>
<script src="{
asset('plugins/daterangepicker/daterangepicker.js')
}"></script>
<!-- Tempusdominus Bootstrap 4 -->
<script src="{ asset('plugins/tempusdominus-bootstrap-
4/js/tempusdominus-bootstrap-4.min.js') }}"></script>
<!-- Summernote -->
<script src="{ asset('plugins/summernote/summernote-
bs4.min.js') }}"></script>
<!-- overlayScrollbars -->
<script src="{
asset('plugins/overlayScrollbars/js/jquery.overlayScrollbars
.min.js') }}"></script>
<!-- AdminLTE App -->
<script src="{ asset('js/adminlte.js') }}"></script>
<!-- AdminLTE for demo purposes -->

```

```
<script src="{{ asset('js/demo.js') }}"></script>
<!-- AdminLTE dashboard demo (This is only for demo
purposes) -->
<script src="{{ asset('js/pages/dashboard.js')
}}"></script>

</body>

</html>
```

## 16. Source Code View SideBar Role Atasan

```
<nav class="mt-2">
  <ul class="nav nav-pills nav-sidebar flex-column" data-
widget="treeview" role="menu" data-accordion="false">
    <!-- Add icons to the links using the .nav-icon class
with font-awesome or any other icon font library -
->
    <div class="user-panel ml-2 pb-3 mb-3 ">
      <li class="nav-item ">
        <a href="{{route('atasan.dashboard')}}"
class="nav-link {{ request()->is('/') ? 'active' : '' }}">
          <i class="nav-icon fas fa-tachometer-alt
pr-2"></i>
          <p>
            Dashboard
          </p>
        </a>
      </li>
      <li class="nav-item">
        <a href="{{ route('user.index') }}"
class="nav-link {{ request()->is('user') ? 'active' : '' }}">
          <i class="fa fa-user pr-2"></i>
          <p>Data User</p>
        </a>
      </li>
      <li class="nav-item">
        <a href="{{ route('barangs.index') }}"
class="nav-link {{ request()->is('barang') ? 'active' : ''
}}">
          <i class="fa fa-archive nav-icon pr-
2"></i>
          <p>Data Barang</p>
        </a>
      </li>
      <li class="nav-item">
        <a href="{{ route('pemesanans.index') }}"
class="nav-link {{ request()-
>is('pemesanan') ? 'active' : '' }}">
          <i class="fa fa-usd nav-icon pr-2"></i>
          <p>Data Pemesanan</p>
        </a>
      </li>
    </div>
    <div class="user-panel ml-2 mt-3 pb-3 mb-3">
      <li class="nav-item">
        <a href="{{ route('data.index') }}"
class="nav-link {{ request()->is('data') ? 'active' : '' }}">
          <i class="fa fa-book nav-icon pr-2"></i>
          <p>Data Aktual</p>
        </a>
      </li>
      <li class="nav-item">
        <a href="{{ route('peramalan.index') }}"
class="nav-link {{ request()-
>is('peramalan') ? 'active' : '' }}">
          <i class="fa fa-calculator pr-2"></i>
          <p>Peramalan</p>
        </a>
      </li>
    </div>
  </ul>
</nav>
```

```

        </a>
    </li>
    <li class="nav-item">
        <a href="{{ route('peramalan.result') }}"
            class="nav-link" {{ request()-
>is('peramalan') ? 'active' : '' }} ">
            <i class="fa fa-file-text pr-2"></i>
            <p>Hasil Peramalan</p>
        </a>
    </li>
</div>
<div class="user-panel ml-2 mt-3 pb-3 mb-3 d-flex">
    <li class="nav-item">
        {{-- <a href="{{ route('logout') }}"
class="nav-link ">
            <i class="fa fa-sign-out pr-2"></i>
            <p>Logout</p>
        </a --}}
        <a href="{{ route('logout') }}" class="nav-
link"
            onclick="event.preventDefault();
            document.getElementById('logout-
form').submit();">
            <i class="fa fa-sign-out pr-2"></i>
            <p>Logout</p>
            <form id="logout-form" action="{{
route('logout') }}" method="POST" class="d-none">
                @csrf
            </form>
        </a>
    </li>
</div>
</li>
</ul>
</nav>

```

## 17. Source Code View Barang Role Atasan

```
@extends('layout.layout-superadmin.layout')
@section('content')

@include('sweetalert::alert')
<div class="content-wrapper px-3">
  <!-- Content Header (Page header) -->
  <div class="content-header">
    <div class="container-fluid">
      <div class="row mb-2">
        <div class="col-sm-6">
          <h1 class="m-0">Data Barang</h1>
        </div><!-- /.col -->
        <div class="col-sm-6">
          <ol class="breadcrumb float-sm-right">
            <li class="breadcrumb-item"><a href="#">Data
Barang</a></li>
            <li class="breadcrumb-item active">Data
Barang</li>
          </ol>
        </div><!-- /.col -->
      </div><!-- /.row -->
    </div><!-- /.container-fluid -->
  </div>
  <table class="table table-bordered table-striped table-
hover">
    <thead style="text-align: center">
      <div class="d-flex flex-row-reverse px-2 py-2" >
        <a type="button" class="btn btn-primary btn-lg"
href="{{ route ('barangs.create') }}">Tambah</a>
      </div>
    <tr>
      <th rowspan="2">No</th>
      <th rowspan="2">Nama Barang</th>
      <th rowspan="2">Satuan</th>
      <th rowspan="2">Harga</th>
      <th rowspan="2">Stok</th>
      <th rowspan="2">Penjualan</th>
      <th rowspan="2">Action</th>
    </tr>
  </thead>
  <tbody>
    <?php
    $no = 1;
    ?>
    @foreach ($barangs as $barang )
      <tr style="text-align: center">
        <td><?= $no++?></td>
        <td>{{ $barang->nama_barang }}</td>
        <td>{{ $barang->satuan }}</td>
        <td>Rp. @idr ($barang->harga)</td>
        <td>
          @if ($barang->stok == 0)
            <span class="badge bg-danger">Belum
Tersedia</span>
          @else
            {{ $barang->stok }}
          @endif
        </td>
      </tr>
    @endforeach
  </tbody>
</table>
</div>
</div>
</div>
```



```

        </td>
        <td>
            @if ($barang->penjualan == 0)
                <span class="badge bg-danger">Belum
Tersedia</span>
            @else
                {{ $barang->penjualan }}
            @endif
        </td>
        <td>
            <form onsubmit="return confirm('Apakah
Anda Yakin ?');"
                action="{{ route('barangs.destroy',
$barang->id) }}" method="POST">
                <a href="{{ route('barangs.edit',
$barang->id) }}"
                    class="btn btn-sm btn-info"><i
class="fa-solid fa-pencil"></i></a>
                    @csrf
                    @method('DELETE')
                    <button type="submit" class="btn btn-
sm btn-danger"><i class="fa fa-trash" aria-
hidden="true"></i></button>
                </form>
            </td>
        </tr>
    @endforeach
</tbody>
</table>
    {{ $barangs->links() }}
@endsection

```

## 18. Source Code View Barang Create Role Atasan

```
@extends('layout.layout-superadmin.layout')
@section('content')

@include('sweetalert::alert')
<div class="content-wrapper px-3">
  <!-- Content Header (Page header) -->
  <div class="content-header">
    <div class="container-fluid">
      <div class="row mb-2">
        <div class="col-sm-6">
          <h1 class="m-0">Data Barang</h1>
        </div><!-- /.col -->
        <div class="col-sm-6">
          <ol class="breadcrumb float-sm-right">
            <li class="breadcrumb-item"><a href="#">Data
Barang</a></li>
            <li class="breadcrumb-item active">Data
Barang</li>
          </ol>
        </div><!-- /.col -->
      </div><!-- /.row -->
    </div><!-- /.container-fluid -->
  </div>
  <div class="container-fluid">
    <div class="row">
      <div class="col-md-6">
        <!-- general form elements -->
        <div class="card card-primary">
          <div class="card-header">
            <h3 class="card-title">Tambah Barang </h3>
          </div>
          <!-- /.card-header -->
          <!-- form start -->
          <form action="{{route('barangs.store')}}"
method="POST" enctype="multipart/form-data">
            @csrf
            <div class="card-body">
              <div class="form-group">
                <label for="exampleInputEmail1">Nama
Barang</label>
                <input type="text" class="form-control"
id="exampleInputEmail1" placeholder="Masukkan Nama Barang"
name="nama_barang">
              </div>
              <div class="form-group">
                <label
for="exampleInputPassword1">Satuan</label>
                <input type="text" class="form-control"
id="exampleInputPassword1" placeholder="Masukkan Satuan"
name="satuan">
              </div>
              <div class="form-group">
                <label
for="exampleInputPassword1">Harga</label>
                <input type="text" class="form-control"
id="exampleInputPassword1" placeholder="Masukkan Harga"
name="harga">
            </div>
          </form>
        </div>
      </div>
    </div>
  </div>
</div>
```

```
        </div>
        <div class="form-group">
            <label
for="exampleInputPassword1">Stok</label>
            <input type="text" class="form-control"
id="exampleInputPassword1" placeholder="Masukkan Stok Barang"
name="stok">
        </div>
        <div class="form-group">
            <label
for="exampleInputPassword1">Penjualan</label>
            <input type="text" class="form-control"
id="exampleInputPassword1" placeholder="Masukkan Penjualan"
name="penjualan">
        </div>
    </div>
    <!-- /.card-body -->
    <div class="card-footer">
        <button type="submit" class="btn btn-
primary">Submit</button>
    </div>
</form>
</div>
</div>
</div>
<!-- /.card -->
@endsection
```

## 19. Source Code View Barang Edit Role Atasan

```
@extends('layout.layout-superadmin.layout')
@section('content')

@include('sweetalert::alert')
<div class="content-wrapper px-3">
  <!-- Content Header (Page header) -->
  <div class="content-header">
    <div class="container-fluid">
      <div class="row mb-2">
        <div class="col-sm-6">
          <h1 class="m-0">Data Barang</h1>
        </div><!-- /.col -->
        <div class="col-sm-6">
          <ol class="breadcrumb float-sm-right">
            <li class="breadcrumb-item"><a href="#">Data Barang</a></li>
            <li class="breadcrumb-item active">Data
            Barang</li>
          </ol>
        </div><!-- /.col -->
      </div><!-- /.row -->
    </div><!-- /.container-fluid -->
  </div>
  <div class="container-fluid">
    <div class="row">
      <div class="col-md-6">
        <!-- general form elements -->
        <div class="card card-primary">
          <div class="card-header">
            <h3 class="card-title">Edit Barang </h3>
          </div>
          <!-- /.card-header -->
          <!-- form start -->
          <form
            action="{{route('barangs.update', $barangs->id)}}"
            method="POST" enctype="multipart/form-data">
            @csrf
            @method('PUT')
            <div class="card-body">
              <div class="form-group">
                <label for="exampleInputEmail1">Nama
                Barang</label>
                <input type="text" class="form-control"
                value="{{ $barangs->nama_barang }}" name="nama_barang">
              </div>
              <div class="form-group">
                <label
                for="exampleInputPassword1">Satuan</label>
                <input type="text" class="form-control"
                value="{{ $barangs->satuan }}" name="satuan">
              </div>
              <div class="form-group">
                <label
                for="exampleInputPassword1">Harga</label>
                <input type="text" class="form-control"
                value="{{ $barangs->harga }}" name="harga">
              </div>
            </div>
          </form>
        </div>
      </div>
    </div>
  </div>
</div>
```

```
        <div class="form-group">
            <label
for="exampleInputPassword1">Stok</label>
            <input type="text" class="form-control"
value="{{ $barangs->stok }}" name="stok">
        </div>
        <div class="form-group">
            <label
for="exampleInputPassword1">Penjualan</label>
            <input type="text" class="form-control"
value="{{ $barangs->penjualan }}" name="penjualan">
        </div>
        </div>
        <!-- /.card-body -->
        <div class="card-footer">
            <button type="submit" class="btn btn-
primary">Submit</button>
        </div>
    </form>
</div>
</div>
</div>
</div>
<!-- /.card -->
@endsection
```

## 20. Source Code View Pemesanan Role Atasan

```
@extends('layout.layout-superadmin.layout')
@section('content')

@include('sweetalert::alert')
<div class="content-wrapper px-3">
  <!-- Content Header (Page header) -->
  <div class="content-header">
    <div class="container-fluid">
      <div class="row mb-2">
        <div class="col-sm-6">
          <h1 class="m-0">Data Pemesanan</h1>
        </div><!-- /.col -->
        <div class="col-sm-6">
          <ol class="breadcrumb float-sm-right">
            <li class="breadcrumb-item"><a href="/">Home</a></li>
            <li class="breadcrumb-item active">Data Pemesanan</li>
          </ol>
        </div><!-- /.col -->
      </div><!-- /.container-fluid -->
    </div>
    <table class="table table-bordered table-striped table-hover">
      <thead style="text-align: center">
        <div class="d-flex flex-row-reverse px-2 py-2" >
          <a type="button" class="btn btn-primary btn-lg" href="{{ route ('pemesanans.create') }}">Tambah</a>
        </div>
        <tr>
          <th rowspan="2">No</th>
          <th rowspan="2">Nama Pemesan</th>
          <th rowspan="2">Alamat</th>
          <th rowspan="2">No.Telfon</th>
          <th rowspan="2">Nama Barang</th>
          <th rowspan="2">Satuan</th>
          <th rowspan="2">Harga</th>
          <th rowspan="2">Jumlah</th>
          <th rowspan="2">Total</th>
          <th colspan="2">Status Pembayaran</th>
          <th rowspan="2">Action</th>
        </tr>
        <tr>
          <th rowspan="2">Pembayaran</th>
          <th rowspan="2">Validasi</th>
        </tr>
      </thead>
      <tbody>
        <?php
        $no = 1;
        ?>
        @foreach ($pesanans as $pesan )
          <tr style="text-align: center">
            <td><?= $no++?></td>
            <td>{{ $pesan->nama_pemesan }}</td>
            <td>{{ $pesan->alamat }}</td>
```

```

        <td>{{ $pesan->nohp }}</td>
        <td>{{ $pesan->nama_barang }}</td>
        <td>{{ $pesan->satuan }}</td>
        <td>Rp. @idr ($pesan->harga)</td>
        <td>{{ $pesan->jumlah }}</td>
        <td>Rp. @idr($pesan->total)</td>
        <td>
            @if ($pesan->status == 0)
                <span class="badge bg-danger">Belum
Terverifikasi</span>
            @elseif ($pesan->status == 1)
                <span class="badge bg-
success">Terverifikasi</span>
            @endif
        </td>
        <td>
            @if($pesan->status == 0)
                <a
href="{{ route('pemesanans.proses', $pesan->id) }}"><button
button type="submit" class="btn btn-sm btn-
primary">Verifikasi</button></a>
            @elseif($pesan->status == 1)
                <button type="submit" class="btn btn-sm
btn-success" disabled><i class="fa fa-check" aria-
hidden="true"></i></button>
            @endif
        </td>
        <td>
            @if($pesan->status == 0)
                <form onsubmit="return confirm('Apakah
Anda Yakin ?');"
                    action="{{
route('pemesanans.destroy', $pesan->id) }}" method="POST">
                    <a href="{{ route('pemesanans.edit',
$pesan->id) }}"
                        class="btn btn-sm btn-info"><i
class="fa-solid fa-pencil"></i></a>
                    @csrf
                </form>
            @elseif($pesan->status == 1)
                <form onsubmit="return confirm('Apakah
Anda Yakin ?');"
                    <a href="{{
route('pemesanans.edit', $pesan->id) }}">
                        <button type="submit" class="btn
btn-sm btn-info" disabled><i class="fa-solid fa-pencil">
</i></button></a>
                    @csrf
                </form>
            @endif
        </td>
    </tr>
</tbody>
</table>
{{ $pesanans->links() }}
</endsection

```

## 21. Source Code View Pemesanan Create Role Atasan

```
@extends('layout.layout-superadmin.layout')
@section('content')

<div class="content-wrapper px-3">
    @include('sweetalert::alert')
    <!-- Content Header (Page header) -->
    <div class="content-header">
        <div class="container-fluid">
            <div class="row mb-2">
                <div class="col-sm-6">
                    <h1 class="m-0">Data Pemesanan</h1>
                </div><!-- /.col -->
                <div class="col-sm-6">
                    <ol class="breadcrumb float-sm-right">
                        <li class="breadcrumb-item"><a href="#">Home</a></li>
                        <li class="breadcrumb-item active">Data Pemesanan</li>
                    </ol>
                </div><!-- /.col -->
            </div><!-- /.container-fluid -->
        </div>
        <div class="container-fluid">
            <div class="row">
                <div class="col-md-12">
                    <!-- general form elements -->
                    <div class="card card-primary">
                        <div class="card-header">
                            <h3 class="card-title">Tambah Pemesanan </h3>
                        </div>
                        <!-- /.card-header -->
                        <!-- form start -->
                        <form class="needs-validation" action="{{route('pemesanans.store')}}" method="POST" enctype="multipart/form-data">
                            @csrf
                            <div class="card-body">
                                <div class="row">
                                    <div class="col-md-6">
                                        <div class="form-group">
                                            <label for="id">Pilih Barang</label>
                                            <select name="id" id="id" class="form-control input-lg dynamic" data-dependent="nama_barang" data-dynamic="satuan" data-dynamic1="harga">
                                                <option disabled selected> --- Pilih Barang --- </option>
                                                @foreach ($barang as $barang)
                                                    <option value="{{ $barang->id }}">{{ $barang->nama_barang }} || {{ $barang->satuan }}</option>
                                                @endforeach
                                            </select>
                                        </div>
                                    </div>
                                </div>
                            </div>
                        </form>
                    </div>
                </div>
            </div>
        </div>
    </div>
</div>
```



```

        <label for="nama_barang">Nama
Barang</label>
        <select type="text" class="form-
control" id="nama_barang" placeholder="" name="nama_barang"
readonly="readonly" style ="appearance: none; -
webkitappearance:none; -moz-appearance: none;">
        </select>
    </div>
    <div class="form-group">
        <label for="satuan">Satuan</label>
        <select type="text" class="form-
control" id="satuan" placeholder="" name="satuan" readonly
style ="appearance: none; -webkitappearance:none; -moz-
appearance: none;">
        </select>
    </div>
    <div class="form-group">
        <label for="harga">Harga</label>
        <select type="text" class="form-
control" id="harga" placeholder="" name="harga"
onchange="total_harga();" readonly style ="appearance: none;
-webkitappearance:none; -moz-appearance: none;">
        </select>
    </div>
    <div class="form-group">
        <label for="jumlah">Jumlah</label>
        <input type="text" class="form-control"
id="jumlah" placeholder="Masukkan Jumlah"
name="jumlah"onchange="total_harga();" required>
    </div>
    <div class="form-group">
        <label for="total">Total Harga</label>
        <input type="text" class="form-control"
id="total" placeholder="" name="total" required readonly>
    </div>
</div>
<div class="col-md-6">
    <div class="form-group">
        <label for="nama_pemesan">Nama
Pemesan</label>
        <input type="text" class="form-
control" id="nama_pemesan" placeholder="Masukkan Nama
Pemesan" name="nama_pemesan" required>
    </div>
    <div class="form-group">
        <label for="alamat">Alamat</label>
        <input type="text" class="form-
control" id="alamat" placeholder="Masukkan Alamat"
name="alamat" required>
    </div>
    <div class="form-group">
        <label for="nohp">Nomor
Telepon</label>
        <input type="text" class="form-
control" id="nohp" placeholder="Masukkan Nomor Telepon"
name="nohp" required>
    </div>
</div>
</div>

```

```

        </div>
        <!-- /.card-body -->
        <div class="card-footer">
            <div class="d-flex flex-row-reverse">
                <button type="submit" class="btn btn-
primary">Submit</button>
            </div>
        </div>
    </form>
</div>
</div>
</div>
<!-- /.card -->
<script
src="//ajax.googleapis.com/ajax/libs/jquery/1.9.1/jquery.min
.js"></script>

<script>
function total_harga() {
    var jumlah = document.getElementById("jumlah").value;
    var harga = document.getElementById("harga").value;
    var total = parseFloat(jumlah) * parseFloat(harga);
    if (!isNaN(total)) {
        document.getElementById("total").value = total;
    } else {
        document.getElementById("total").value = harga;
    }
}
</script>

{{-- Ajax Nama_Barang --}}
<script>
$(document).ready(function() {

    $('dynamic').change(function() {
        if ($(this).val() != '') {
            var select = $(this).attr("id");
            var value = $(this).val();
            var dependent = $(this).data('dependent');
            var _token = $('input[name="_token"]').val();
            $.ajax({
                url: "{{ route('pemesanans.dependent')
}}",

                method: "POST",
                data: {
                    select: select,
                    value: value,
                    _token: _token,
                    dependent: dependent
                },
                success: function(result) {
                    $('#'+ dependent).html(result);
                }

            })
        }
    });
    $('#id').change(function() {

```

```

        $('#nama_barang').val('');
    });
</script>

{{-- Ajax for satuan --}}
<script>
    $(document).ready(function() {
        $('.dynamic').change(function() {
            if ($(this).val() != '') {
                var select = $(this).attr("id");
                var value = $(this).val();
                var dynamic = $(this).data('dynamic');
                var _token =
                $('#input[name="_token"]').val();
                $.ajax({
                    url: "{{ route('pemesanans.fetch1') }}",
                    method: "POST",
                    data: {
                        select: select,
                        value: value,
                        _token: _token,
                        dynamic: dynamic
                    },
                    success: function(result) {
                        $('#'+ dynamic).html(result);
                    }
                })
            }
        });

        $('#id').change(function() {
            $('#satuan').val('');
        });
    });
</script>

{{-- Ajax for harga --}}
<script>
    $(document).ready(function() {
        $('.dynamic').change(function() {
            if ($(this).val() != '') {
                var select = $(this).attr("id");
                var value = $(this).val();
                var dynamic1 = $(this).data('dynamic1');
                var _token =
                $('#input[name="_token"]').val();
                $.ajax({
                    url: "{{ route('pemesanans.fetch2') }}",
                    method: "POST",
                    data: {
                        select: select,
                        value: value,
                        _token: _token,
                        dynamic1: dynamic1
                    },
                    success: function(result) {

```

```
        $('#'+ dynamic1).html(result);
    }
    })
}
});

$('#id').change(function() {
    $('#harga').val('');
});
});
</script>
@endsection
```

## 22. Source Code View Pemesanan Edit Role Atasan

```
@extends('layout.layout-superadmin.layout')
@section('content')

@include('sweetalert::alert')
<div class="content-wrapper px-3">
  <!-- Content Header (Page header) -->
  <div class="content-header">
    <div class="container-fluid">
      <div class="row mb-2">
        <div class="col-sm-6">
          <h1 class="m-0">Data Pemesanan</h1>
        </div><!-- /.col -->
        <div class="col-sm-6">
          <ol class="breadcrumb float-sm-right">
            <li class="breadcrumb-item"><a href="#">Data
Pemesanan</a></li>
            <li class="breadcrumb-item active">Data
Pemesanan</li>
          </ol>
        </div><!-- /.col -->
      </div><!-- /.container-fluid -->
    </div>
    <div class="container-fluid">
      <div class="row">
        <div class="col-md-6">
          <!-- general form elements -->
          <div class="card card-primary">
            <div class="card-header">
              <h3 class="card-title">Edit Pemesanan </h3>
            </div>
            <!-- /.card-header -->
            <!-- form start -->
            <form action="{route('pemesanans.update', $pemesanans-
>id)}" method="POST" enctype="multipart/form-data">
              @csrf
              @method('PUT')
              <div class="card-body">
                <div class="row">
                  <div class="col-md-6">
                    <div class="form-group">
                      <label for="id">Pilih Barang</label>
                      <select name="id" id="id"
class="form-control input-lg dynamic" data-
dependent="nama_barang" data-dynamic="satuan" data-
dynamic1="harga">
                        <option disabled selected> ---
Pilih Barang --- </option>
                        @foreach ($barang as $barang)
                          <option value="{{ $barang-
>id }}" {{ $barang->nama_barang }} || {{ $barang-
>satuan }}</option>
                        @endforeach
                      </select>
                    </div>
                  </div>
                </div>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
</div>
```

```

        <label for="nama_barang">Nama
Barang</label>
        <select type="text" class="form-
control" id="nama_barang" value="{{ $pesanans->nama_barang }}"
name="nama_barang" required readonly style ="appearance:
none; -webkitappearance:none; -moz-appearance: none;">
        </select>
    </div>
    <div class="form-group">
        <label for="satuan">Satuan</label>
        <select type="text" class="form-
control" id="satuan" value="{{ $pesanans->satuan }}"
name="satuan" required readonly style ="appearance: none; -
webkitappearance:none; -moz-appearance: none;">
        </select>
    </div>
    <div class="form-group">
        <label for="harga">Harga</label>
        <select type="text" class="form-
control" id="harga" value="{{ $pesanans->harga }}" name="harga"
required onchange="total_harga();" readonly style
="appearance: none; -webkitappearance:none; -moz-appearance:
none;">
        </select>
    </div>
    <div class="form-group">
        <label for="jumlah">Jumlah</label>
        <input type="text" class="form-control"
id="jumlah" name="jumlah"onchange="total_harga();" required>
    </div>
    <div class="form-group">
        <label for="total">Total Harga</label>
        <input type="text" class="form-control"
id="total" name="total" required readonly>
    </div>
</div>
<div class="col-md-6">
    <div class="form-group">
        <label for="nama_pemesan">Nama
Pemesan</label>
        <input type="text" class="form-
control" id="nama_pemesan" value="{{ $pesanans-
>nama_pemesan }}" name="nama_pemesan" required>
    </div>
    <div class="form-group">
        <label for="alamat">Alamat</label>
        <input type="text" class="form-
control" id="alamat" value="{{ $pesanans->alamat }}"
name="alamat" required>
    </div>
    <div class="form-group">
        <label for="nohp">Nomor
Telepon</label>
        <input type="text" class="form-
control" id="nohp" value="{{ $pesanans->nohp }}" name="nohp"
required>
    </div>
</div>
</div>

```

```

        </div>
        <!-- /.card-body -->
        <div class="card-footer">
            <button type="submit" class="btn btn-
primary">Submit</button>
        </div>
    </form>
</div>
</div>
</div>
</div>
<!-- /.card -->
<script
src="//ajax.googleapis.com/ajax/libs/jquery/1.9.1/jquery.min
.js"></script>
<script>
    function total_harga() {
        var jumlah = document.getElementById("jumlah").value;
        var harga = document.getElementById("harga").value;
        var total = parseFloat(jumlah) * parseFloat(harga);
        if (!isNaN(total)) {
            document.getElementById("total").value = harga;
        } else {
            document.getElementById("total").value = total;
        }
    }
</script>
<script>
    $(document).ready(function() {

        $('#dynamic').change(function() {
            if ($(this).val() != '') {
                var select = $(this).attr("id");
                var value = $(this).val();
                var dependent = $(this).data('dependent');
                var _token = $('input[name="_token"]').val();
                $.ajax({
                    url: "{{ route('pemesanan.dependent')
}}",
                    method: "POST",
                    data: {
                        select: select,
                        value: value,
                        _token: _token,
                        dependent: dependent
                    },
                    success: function(result) {
                        $('#' + dependent).html(result);
                    }

                })
            }
        });
        $('#id').change(function() {
            $('#nama_barang').val('');
        });
    });
</script>
<!-- Ajax for satuan -->

```

```

<script>
$(document).ready(function() {
    $('#dynamic').change(function() {
        if ($(this).val() != '') {
            var select = $(this).attr("id");
            var value = $(this).val();
            var dynamic = $(this).data('dynamic');
            var _token = $('input[name="_token"]').val();
            $.ajax({
                url: "{{ route('pemesanan.fetch1') }}",
                method: "POST",
                data: {
                    select: select,
                    value: value,
                    _token: _token,
                    dynamic: dynamic
                },
                success: function(result) {
                    $('#'+ dynamic).html(result);
                }
            })
        }
    });

    $('#id').change(function() {
        $('#satuan').val('');
    });
});
</script>

{{-- Ajax for harga --}}
<script>
$(document).ready(function() {
    $('#dynamic').change(function() {
        if ($(this).val() != '') {
            var select = $(this).attr("id");
            var value = $(this).val();
            var dynamic1 = $(this).data('dynamic1');
            var _token = $('input[name="_token"]').val();
            $.ajax({
                url: "{{ route('pemesanan.fetch2') }}",
                method: "POST",
                data: {
                    select: select,
                    value: value,
                    _token: _token,
                    dynamic1: dynamic1
                },
                success: function(result) {
                    $('#'+ dynamic1).html(result);
                }
            })
        }
    });

    $('#id').change(function() {
        $('#harga').val('');
    });
});

```



```
</script>  
@endsection
```

### 23. Source Code View Peramalan Role Atasan

```
@extends('layout.layout-superadmin.layout')
@section('content')
@include('sweetalert::alert')

<div class="content-wrapper px-3">
  <!-- Content Header (Page header) -->
  <div class="content-header">
    <div class="container-fluid">
      <div class="row mb-2">
        <div class="col-sm-6">
          <h1 class="m-0">Peramalan</h1>
        </div><!-- /.col -->
        <div class="col-sm-6">
          <ol class="breadcrumb float-sm-right">
            <li class="breadcrumb-item"><a href="/">Home</a></li>
            <li class="breadcrumb-item active">Peramalan</li>
          </ol>
        </div><!-- /.col -->
      </div><!-- /.row -->
    </div><!-- /.container-fluid -->
  </div>
  <div class="d-flex flex-row-reverse px-2 py-2" >
    <form class="needs-validation"
      action="{{route('peramalan.proses')}}" method="POST"
      enctype="multipart/form-data">
      @csrf
      <div class="card">
        <div class="card-body">
          <div class="row">
            <div class="col-md-6">
              <div class="form-group">
                <label for="id">Pilih
                Barang</label>
                <select name="nama_barang"
                  id="id" class="form-control input-lg dynamic" data-
                  dependent="nama_barang">
                  <option disabled selected> --
                  - Pilih Barang --- </option>
                  @foreach ($barangs as
                  $barang)
                    <option
                    value="{{ $barang->nama_barang }}">{{ $barang-
                    >nama_barang }}</option>
                  @endforeach
                </select>
              </div>
              <div class="form-group">
                <label for="alpha">Alpha</label>
                <input type="text" class="form-
                control" placeholder="0 < alpha < 1" name="alpha" required>
              </div>
              <div class="form-group">
                <label for="tahun">Tahun</label>

```

```

                <input type="text" class="form-
control" placeholder="Masukkan Tahun" name="tahun" required>
            </div>
            <button type="submit" class="btn btn-
primary">Hitung</button>
        </div>
        <div class="col-md-6 ">
            <p> <strong>Penjelasan</strong></p>
            <p>
                1. Silahkan pilih barang yang akan
diramalkan <br>
                2. Untuk nilai alpha silahkan
inputkan mulai dari 0 sampai dengan 1 seperti contoh nilai
alpha = 0.3
            </p>
        </div>
    </div>
</div>
</div>
</form>
@if($_SERVER['REQUEST_METHOD'] == 'POST')
<div class="row">
    <div class="col-12 col-lg-12">
        <table class="table table-bordered table-striped
table-hover">
            <thead style="text-align: center">
                <div class="d-flex flex-row-reverse px-2 py-
2" >
                    </div>
                <tr>
                    <th rowspan="2">No</th>
                    <th rowspan="2">Nama Barang</th>
                    <th rowspan="2">Bulan</th>
                    <th rowspan="2">Tahun</th>
                    <th rowspan="2">Aktual</th>
                    <th rowspan="2">Forecast</th>
                    <th rowspan="2">MAD</th>
                    <th rowspan="2">MSE</th>
                    <th rowspan="2">MAPE</th>
                </tr>
            </thead>
            <tbody>
                <?php
                $no = 1;
                $id = 0;
                ?>
                @foreach ($data as $d)
                    <tr style="text-align: left">
                        <td><?= $no++?></td>
                        <td>{{ $nama_barang }}</td>
                        <td>{{ $bulan[$id] }}</td>
                        <td>{{ $d->tahun }}</td>
                        <td>{{ $d->penjualan }}</td>
                        <td>{{ $result[$id] }}</td>
                        <td>{{ $mad[$id] }}</td>
                        <td>{{ $mse[$id] }}</td>
                        <td>{{ number_format($mape[$id],1) }}%</td>
                    </tr>
                </tbody>
            </table>
        </div>
    </div>
</div>

```

```

        @php
            $id++;
        @endphp
    @endforeach
</tbody>
</table>

<div class="card-body">
    <div class="row">
        <div class="col-md-6">
            <div class="warning-box bg-gradient-warning"
style="opacity: 80%">

                <div class="warning-box-content">
                    <div class="p-3" style="font-size: 18px">
                        <strong> Mape</strong> <br>
                        Merupakan nilai kesalahan prediksi yang
dihitung dengan cara membandingkan nilai aktual dengan nilai
peramalan. <br>
                            <strong>Nilai Mape</strong><br>
                            <strong>< 10% : Sangat Baik
</strong><br>
                            <strong>10% - 20% : Baik </strong> <br>
                            <strong>20% - 50% : Cukup </strong> <br>
                            <strong>> 50% : Buruk </strong>
                    </div>
                </div>
            </div>
            <div class="col-md-6">
                <div class="success-box bg-gradient-success"
style="opacity: 90%">
                    <div class="success-box-content">
                        <div class="p-3" style="font-size: 18px">
                            Anda Memilih Barang : <br>
                            <strong>{{ $nama_barang }}</strong> <br>
                            @php
                                $id = 0;
                            @endphp
                            Hasil Peramalan : <br>
                            @foreach ($hasil as $h)
                                <strong> {{ $bulan_sekarang[$id] }}
{{ $tahun }} : {{ $h }}</strong><br>
                                    @php
                                        $id++;
                                    @endphp
                                @endforeach
                                    MAPE : <br>
<strong>{{ number_format($sum_mape_3_bulan,1) }} %</strong>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</div>
<div class="card-footer">
    <div class="d-flex flex-row-reverse">

```

```
        <a          href="{{route('peramalan.index')}}"  
class="btn btn-primary" >Reset</a>&nbsp;    
        <a          href="{{route('peramalan.create')}}"  
class="btn btn-primary">Simpan</a>  
    </div>  
    </div>  
    </div>  
    </div>  
    @endif  
</div>  
@endsection
```

## 24. Source Code View Peramalan Hasil Role Atasan

```
@extends('layout.layout-superadmin.layout')
@section('content')

@include('sweetalert::alert')
<div class="content-wrapper px-3">
  <!-- Content Header (Page header) -->
  <div class="content-header">
    <div class="container-fluid">
      <div class="row mb-2">
        <div class="col-sm-6">
          <h1 class="m-0">Hasil Peramalan</h1>
        </div><!-- /.col -->
        <div class="col-sm-6">
          <ol class="breadcrumb float-sm-right">
            <li class="breadcrumb-item"><a href="/">Home</a></li>
            <li class="breadcrumb-item active">Hasil Peramalan</li>
          </ol>
        </div><!-- /.col -->
      </div><!-- /.row -->
    </div><!-- /.container-fluid -->
  </div>

  <table class="table table-bordered table-striped table-hover">
    <thead style="text-align: center">
      <div class="d-flex flex-row-reverse px-2 py-2" >
        </div>
      <tr>
        <th rowspan="2">No</th>
        <th rowspan="2">Nama Barang</th>
        <th rowspan="2">Bulan</th>
        <th rowspan="2">Tahun</th>
        <th rowspan="2">Hasil Peramalan</th>
        <th rowspan="2">MAPE</th>
      </tr>
    </thead>
    <tbody>
      <?php
      $no = 1;
      ?>
      @foreach ($hasil_peramalans as $hasil )
        <tr style="text-align: center">
          <td><?= $no++?></td>
          <td>{{ $hasil->nama_barang }}</td>
          <td>{{ $hasil->bulan }}</td>
          <td>{{ $hasil->tahun }}</td>
          <td>{{ number_format($hasil->hasil_peramalan,0) }}</td>
          <td>{{ number_format($hasil->mape) }}%</td>
        </tr>
      @endforeach
    </tbody>
  </table>
```

```
<div class="warning-box bg-gradient-warning" style="opacity: 80%">
  <div class="warning-box-content">
    <div class="p-3" style="font-size: 18px">
      <strong> Mape</strong> <br>
      Merupakan nilai kesalahan prediksi yang dihitung dengan cara membandingkan nilai aktual dengan nilai peramalan.
    <br>
      <strong>< 10% : Sangat Baik </strong><br>
      <strong>10% - 20% : Baik </strong><br>
      <strong>20% - 50% : Cukup </strong><br>
      <strong>> 50% : Buruk </strong>
    </div>
  </div>
</div>
@endsection
```