

LAMPIRAN

Berikut adalah *source code* yang terdapat pada sistem prediksi penjualan produk:

1. *Source code* halaman pertama (home)

```
@extends('layouts.app')
@section('title', '')

@section('css')
<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-
datepicker/1.9.0/css/bootstrap-datepicker.min.css"
integrity="sha512-
mSYUmp1HYZDFaVKK//63EcZq4iFWFjxSL+Z3T/aCt4IO9Cej
m03q3NKKYN6pFQzY0SBO8h+eCIAZHPCpZaNw=="
crossorigin="anonymous" referrerpolicy="no-referrer" />
<!-- Custom styles for this page -->
<link href="{{ asset('sb-
admin/vendor/datatables/dataTables.bootstrap4.min.css') }}"
rel="stylesheet">
@endsection

@php
function tgl_indo($tanggal){
    $bulan = array (
        1 => 'Januari',
        'Februari',
        'Maret',
        'April',
        'Mei',
        'Juni',
        'Juli',
        'Agustus',
        'September',
        'Oktober',
        'November',
        'Desember'
    );
    $pecahkan = explode('-', $tanggal);

    // variabel pecahkan 0 = tanggal
    // variabel pecahkan 1 = bulan
    // variabel pecahkan 2 = tahun

    return $bulan[ (int)$pecahkan[1] ] . ' ' . $pecahkan[0];
}
```

```

@endphp

@section('content')
<script src="{{ asset('sb-admin/vendor/chart.js/Chart.min.js')
}}"></script>

<div class="row mb-3 justify-content-center">
  <div class="col-md-12 text-center">
    <h3><b>Statistik Penjualan</b></h3>
  </div>
</div>

<div class="row justify-content-center item-align-center">
  @foreach ($menu as $item)
    @php
      $aktual = App\Models\ActualData::where('menu_id', $item-
>id)
        ->join('periods', 'actual_data.period_id', '=', 'periods.id')
        ->orderBy('periods.month', 'ASC')
        ->orderBy('periods.week', 'ASC')
        ->get();

      $label = array();
      $sact = array();

    @endphp
    <div class="col-md-6">
      <div class="card">
        <div class="card-header text-center text-white bg-
primary">
          {{ $item->menu_name }}
        </div>
        <div class="card body">
          @foreach ($aktual as $ak)
            @php
              array_push($label,      tgl_indo($ak->period->month).'
(Minggu ke-'. $ak->period->week.'));
              array_push($sact, $ak->actual);

            @endphp
          @endforeach
          <canvas id="{{ $item->id }}cr" style="width:
25%;"></canvas>

          <script>

```

```

var dataset = {!! json_encode($act) !!};
var labels = {!! json_encode($label) !!};
var nama = "{{ $item->id }}cr";

var data = {
  labels: labels,
  datasets: [{
    label: 'Total Penjualan',
    backgroundColor: '',
    borderColor: 'rgb(255, 99, 132)',
    data: dataset,
  }]
};

var config = {
  type: 'line',
  data,
  options: {}
};

var myChart = new Chart(
  document.getElementById(nama),
  config
);
</script>
</div>
</div>
</div>
@endforeach
</div>
@endsection

@section('js')
<!-- Page level plugins -->
<script src="{{ asset('sb-admin/vendor/datatables/jquery.dataTables.min.js') }}" ></script>
<script src="{{ asset('sb-admin/vendor/datatables/dataTables.bootstrap4.min.js') }}" ></script>

<!-- Page level custom scripts -->
<script src="{{ asset('sb-admin/js/demo/datatables-demo.js') }}" ></script>

<script src="https://cdn.jsdelivr.net/npm/bootstrap-

```

```
datepicker/1.9.0/js/bootstrap-datepicker.min.js" integrity="sha512-
T/tUfKSV1bihCnd+MxKD0Hm1uBBroVYBOYSk1knyvQ9VyZJ
pc/ALb4P0r6ubwVPSGB2GvjeoMAJJImBG12TiaQ=="
crossorigin="anonymous" referrerpolicy="no-referrer"></script>
```

```
<script>
```

```
</script>
```

```
@endsection
```

2. Source code halaman periode

```
@extends('layouts.app')
@section('title', '')
@php
function tgl_indo($tanggal){
    $bulan = array (
        1 => 'Januari',
        'Februari',
        'Maret',
        'April',
        'Mei',
        'Juni',
        'Juli',
        'Agustus',
        'September',
        'Oktober',
        'November',
        'Desember'
    );
    $pecahkan = explode('-', $tanggal);
    return $bulan[ (int)$pecahkan[1] ] . ' ' . $pecahkan[0];
}
@endphp
@section('css')
<link href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-
datepicker/1.9.0/css/bootstrap-datepicker.min.css"
integrity="sha512-
mSYUmp1HYZDFaVKK//63EcZq4iFWFjxSL+Z3T/aCt4IO9Cej
m03q3NKKYN6pFQzY0SBO8h+eCIAZHPXcpZaNw=="
crossorigin="anonymous" referrerpolicy="no-referrer" />
<!-- Custom styles for this page -->
<link href="{{ asset('sb-
admin/vendor/datatables/dataTables.bootstrap4.min.css') }}"
rel="stylesheet">
@endsection
```

```
@section('content')
<div class="d-sm-flex align-items-center justify-content-between mb-4">
  <h1 class="h3 mb-0 text-gray-800">Periode</h1>
  <button class="btn btn-sm btn-primary" data-toggle="modal" data-target="#tambahData">Tambah Data</button>
</div>
```

```
<div class="modal fade" id="tambahData" tabindex="-1" aria-labelledby="tambahDataLabel" aria-hidden="true">
  <div class="modal-dialog">
    <div class="modal-content">
      <div class="modal-header">
        <h5 class="modal-title" id="tambahDataLabel">Tambah Data</h5>
        <button type="button" class="close" data-dismiss="modal" aria-label="Close">
          <span aria-hidden="true">&times;</span>
        </button>
      </div>
      <form action="{{ url('period') }}" method="POST">
        @csrf
        <div class="modal-body">
          <div class="form-group">
            <label>Bulan</label>
            <input type="text" name="month" class="form-control datepicker">
          </div>
        </div>
        <div class="modal-footer">
          <button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>
          <button type="submit" class="btn btn-primary">Simpan</button>
        </div>
      </form>
    </div>
  </div>
</div>
```

```
<div class="modal fade" id="ubahData" tabindex="-1" aria-labelledby="ubahDataLabel" aria-hidden="true">
  <div class="modal-dialog">
    <div class="modal-content">
      <div class="modal-header">
        <h5 class="modal-title" id="ubahDataLabel">Tambah
```

```

Data</h5>
    <button type="button" class="close" data-dismiss="modal"
aria-label="Close">
        <span aria-hidden="true">&times;</span>
    </button>
</div>
<form id="action" action="" method="POST">
    @csrf
    @method('PUT')
    <div class="modal-body">
        <div class="form-group">
            <label>Bulan</label>
            <input type="text" name="month" class="form-control
datepicker" id="month">
        </div>
        <div class="form-group">
            <label>Minggu Ke</label>
            <select type="text" name="week" class="form-control"
id="week">
                <option value="">Pilih Minggu</option>
                <option value="1">Minggu Ke-1</option>
                <option value="2">Minggu Ke-2</option>
                <option value="3">Minggu Ke-3</option>
                <option value="4">Minggu Ke-4</option>
            </select>
        </div>
    </div>
    <div class="modal-footer">
        <button type="button" class="btn btn-secondary" data-
dismiss="modal">Close</button>
        <button type="submit" class="btn btn-
primary">Simpan</button>
    </div>
</form>
</div>
</div>
</div>

```

```

<div class="row">
    <div class="col-md-12">
        <div class="card shadow mb-4">
            <div class="card-body">
                <div class="table-responsive">
                    <table class="table table-bordered" id="dataTb"
width="100%" cellspacing="0">

```



```

<thead class="text-center">
  <tr>
    <th>Bulan</th>
    <th>Minggu</th>
    <th colspan="2">Aksi</th>
  </tr>
  <tr style="display: none">
    <th></th>
    <th></th>
    <th></th>
    <th></th>
  </tr>
</thead>
<tbody class="text-center">
  @foreach ($periods as $item)
    <tr>
      <td>{{ tgl_indo($item->month) }}</td>
      <td>{{ $item->week }}</td>
      <td>
        <button value="{{ $item->id }}|{{ $item->month }}|{{ $item->week }}" class="btn btn-sm btn-info btn-block ubahdata" data-toggle="modal" data-target="#ubahData">
          Edit
        </button>
      </td>
      <td>
        <form action="{{ url('period/'.$item->id) }}" method="POST">
          @method('DELETE')
          @csrf
          <button type="submit" class="btn btn-sm btn-danger btn-block">Hapus</button>
        </form>
      </td>
    </tr>
  @endforeach
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
@endsection

@section('js')

```

```

<!-- Page level plugins -->
<script src="{{ asset('sb-admin/vendor/datatables/jquery.dataTables.min.js') }}"></script>
<script src="{{ asset('sb-admin/vendor/datatables/dataTables.bootstrap4.min.js') }}"></script>

<!-- Page level custom scripts -->
<script src="{{ asset('sb-admin/js/demo/datatables-demo.js') }}"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-datepicker/1.9.0/js/bootstrap-datepicker.min.js" integrity="sha512-T/tUfKSV1bihCnd+MxKD0Hm1uBBroVYBOYSk1knyvQ9VyZJpc/ALb4P0r6ubwVPSGB2GvjeoMAJJIImBG12TiaQ==" crossorigin="anonymous" referrerpolicy="no-referrer"></script>

<script>
    $('.datepicker').datepicker({
        format: "yyyy-mm",
        startView: "months",
        minViewMode: "months"
    });
</script>

<script>
    $(".ubahdata").on("click", function() {
        var data = $(this).attr('value');
        data = data.split('|');
        var url = "{{ url('period') }}";

        var tanggal = data[1];

        tanggal = tanggal.split('-');
        var tg = tanggal[0] + '-' + tanggal[1];

        $('#month').val(tg);
        $('#week').val(data[2]);

        $('#action').attr('action', url + '/' + data[0]);
    });

    $('table').dataTable();
</script>
@endsection

```



```

    </div>
    <div class="modal-footer">
        <button type="button" class="btn btn-secondary" data-
dismiss="modal">Close</button>
        <button type="submit" class="btn btn-
primary">Simpan</button>
    </div>
</form>
</div>
</div>
</div>
</div>

<div class="modal fade" id="ubahData" tabindex="-1" aria-
labelledby="ubahDataLabel" aria-hidden="true">
    <div class="modal-dialog">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title" id="ubahDataLabel">Ubah
Data</h5>
                <button type="button" class="close" data-dismiss="modal"
aria-label="Close">
                    <span aria-hidden="true">&times;</span>
                </button>
            </div>
            <form action="" id="action" method="POST">
                @csrf
                @method('PUT')
                <div class="modal-body">
                    <div class="form-group">
                        <label>Nama Menu</label>
                        <input type="text" name="menu_name" id="menu_name"
class="form-control">
                    </div>
                </div>
            </form>
            <div class="modal-footer">
                <button type="button" class="btn btn-secondary" data-
dismiss="modal">Close</button>
                <button type="submit" class="btn btn-
primary">Simpan</button>
            </div>
        </div>
    </div>
</div>
</div>
</div>
</div>

```

```

<div class="row">
  <div class="col-md-12">
    <div class="card shadow mb-4">
      <div class="card-body">
        <div class="table-responsive">
          <table class="table table-bordered" id="dataTable"
width="100%" cellpadding="0">
            <thead class="text-center">
              <tr>
                <th>Nama Menu</th>
                <th colspan="2">Aksi</th>
              </tr>
              <tr style="display: none">
                <th></th>
                <th></th>
                <th></th>
              </tr>
            </thead>
            <tbody>
              @foreach ($menu as $item)
                <tr>
                  <td>{{ $item->menu_name }}</td>
                  <td>
                    <button value="{{ $item->id }}" class="btn btn-sm btn-info btn-block ubahdata"
data-toggle="modal" data-target="#ubahData">
                      Edit
                    </button>
                  </td>
                  <td>
                    <form action="{{ url('menu/'.$item->id)
}}" method="POST">
                      @method('DELETE')
                      @csrf
                      <button type="submit" class="btn btn-sm btn-danger btn-block">Hapus</button>
                    </form>
                  </td>
                </tr>
              @endforeach
            </tbody>
          </table>
        </div>
      </div>
    </div>
  </div>
</div>

```

```

</div>
@endsection

@section('js')
    <!-- Page level plugins -->
    <script src="{{ asset('sb-admin/vendor/datatables/jquery.dataTables.min.js') }}"></script>
    <script src="{{ asset('sb-admin/vendor/datatables/dataTables.bootstrap4.min.js') }}"></script>

    <!-- Page level custom scripts -->
    <script src="{{ asset('sb-admin/js/demo/datatables-demo.js') }}"></script>

    <script src="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-datepicker/1.9.0/js/bootstrap-datepicker.min.js" integrity="sha512-T/tUfKSV1bihCnd+MxKD0Hm1uBBroVYBOYSk1knyvQ9VyZJpc/ALb4P0r6ubwVPSGB2GvjeoMAJJIImBG12TiaQ==" crossorigin="anonymous" referrerpolicy="no-referrer"></script>

    <script>
        $(".ubahdata").on( "click", function() {
            var data = $(this).attr('value');
            data = data.split('|');
            var url = "{{ url('menu') }}";

            $('#menu_name').val(data[1]);

            $('#action').attr('action', url + '/' + data[0]);
        });
    </script>
@endsection

```

4. Source code halaman data aktual

```

@extends('layouts.app')
@section('title', '')
@php
function tgl_indo($tanggal){
    $bulan = array (
        1 => 'Januari',
        'Februari',
        'Maret',

```

```

        'April',
        'Mei',
        'Juni',
        'Juli',
        'Agustus',
        'September',
        'Oktober',
        'November',
        'Desember'
    );
    $pecahkan = explode('-', $tanggal);

    // variabel pecahkan 0 = tanggal
    // variabel pecahkan 1 = bulan
    // variabel pecahkan 2 = tahun

    return $bulan[ (int)$pecahkan[1] ] . ' ' . $pecahkan[0];
}
@endphp
@section('css')
<link href="" rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-
datepicker/1.9.0/css/bootstrap-datepicker.min.css"
integrity="sha512-
mSYUmp1HYZDFaVKK//63EcZq4iFWFjxSL+Z3T/aCt4IO9Cej
m03q3NKKYN6pFQzY0SBO8h+eCIAZHPXcpZaNw=="
crossorigin="anonymous" referrerpolicy="no-referrer" />
<!-- Custom styles for this page -->
<link href="" asset('sb-
admin/vendor/datatables/dataTables.bootstrap4.min.css')
rel="stylesheet">
@endsection
@section('content')
<div class="d-sm-flex align-items-center justify-content-between
mb-4">
    <h1 class="h3 mb-0 text-gray-800">Data Aktual</h1>
    <button class="btn btn-sm btn-primary" data-toggle="modal"
data-target="#tambahData">Tambah Data</button>
</div>

<div class="modal fade" id="tambahData" tabindex="-1" aria-
labelledby="tambahDataLabel" aria-hidden="true">
    <div class="modal-dialog">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title" id="tambahDataLabel">Tambah

```



```

Data</h5>
    <button type="button" class="close" data-dismiss="modal"
aria-label="Close">
        <span aria-hidden="true">&times;</span>
    </button>
</div>
<form action="{{ url('data') }}" method="POST">
    @csrf
    <div class="modal-body">
        <div class="form-group">
            <label>Nama Menu</label>
            <select type="text" name="menu_id" id="mn"
class="form-control" onchange="getval(this);">
                <option value="">Pilih Menu</option>
                @foreach ($menu as $item)
                    <option value="{{ $item->id }}">{{ $item-
>menu_name }}</option>
                @endforeach
            </select>
        </div>
        <div class="form-group">
            <label>Nama Periode</label>
            <select type="text" name="period_id" class="form-control"
id="pd">
                <option value="">Pilih Menu Terlebih Dahulu</option>
            </select>
        </div>
        <div class="form-group">
            <label>Jumlah Terjual</label>
            <input type="number" name="actual" class="form-
control">
        </div>
    </div>
    <div class="modal-footer">
        <button type="button" class="btn btn-secondary" data-
dismiss="modal">Close</button>
        <button type="submit" class="btn btn-
primary">Simpan</button>
    </div>
</form>
</div>
</div>

<div class="modal fade" id="ubahData" tabindex="-1" aria-
labelledby="ubahDataLabel" aria-hidden="true">

```



```

<div class="modal-dialog">
  <div class="modal-content">
    <div class="modal-header">
      <h5 class="modal-title" id="ubahDataLabel">Ubah
Data</h5>
      <button type="button" class="close" data-dismiss="modal"
aria-label="Close">
        <span aria-hidden="true">&times;</span>
      </button>
    </div>
    <form action="" id="action" method="POST">
      @csrf
      @method('PUT')
      <div class="modal-body">
        <div class="form-group">
          <label>Nama Periode</label>
          <select type="text" name="period_id" id="period_id"
class="form-control">
            <option value="">Pilih Periode</option>
            @foreach ($period as $item)
              <option value="{{ $item->id }}">{{ tgl_indo($item-
>month) }} (Minggu ke-{{ $item->week }})</option>
            @endforeach
          </select>
        </div>
        <div class="form-group">
          <label>Nama Menu</label>
          <select type="text" name="menu_id" id="menu_id"
class="form-control">
            <option value="">Pilih Menu</option>
            @foreach ($menu as $item)
              <option value="{{ $item->id }}">{{ $item->menu_name
}}</option>
            @endforeach
          </select>
        </div>
        <div class="form-group">
          <label>Jumlah Terjual</label>
          <input type="number" name="actual" id="actual"
class="form-control">
        </div>
      </div>
      <div class="modal-footer">
        <button type="button" class="btn btn-secondary" data-
dismiss="modal">Close</button>
        <button type="submit" class="btn btn-

```

```
primary">Simpan</button>
</div>
</form>
</div>
</div>
</div>
```

```
<div class="row">
  <div class="col-md-12">
    <div class="card shadow mb-4">
      <div class="card-body">
        <div class="table-responsive">
          <table class="table table-bordered" id="dataTable"
width="100%" cellspacing="0">
            <thead class="text-center">
              <tr>
                <th>Periode</th>
                <th>Nama Menu</th>
                <th>Jumlah Terjual</th>
                <th colspan="2">Aksi</th>
              </tr>
              <tr style="display: none">
                <th></th>
                <th></th>
                <th></th>
                <th></th>
                <th></th>
              </tr>
            </thead>
            <tbody>
              @foreach ($actual as $item)
                <tr>
                  <td>{{ tgl_indo($item->period->month) }}
(Minggu ke-{{ $item->period->week }})</td>
                  <td>{{ $item->menu->menu_name }}</td>
                  <td>{{ $item->actual }}</td>
                  <td>
                    <button value="{{ $item->id }}|{{ $item-
>period_id }}|{{ $item->menu_id }}|{{ $item->actual }}"
class="btn btn-sm btn-info btn-block ubahdata" data-
toggle="modal" data-target="#ubahData">
                      Edit
                    </button>
                  </td>
                </tr>
              @endforeach
            </tbody>
          </table>
        </div>
      </div>
    </div>
  </div>
</div>
```

```

        <form action="{{ url('data/.$item->id)
    }}" method="POST">
            @method('DELETE')
            @csrf
            <button type="submit" class="btn btn-
sm btn-danger btn-block">Hapus</button>
        </form>
    </td>
</tr>
@endforeach
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
@endsection
@section('js')
<!-- Page level plugins -->
<script src="{{ asset('sb-
admin/vendor/datatables/jquery.dataTables.min.js') }}"></script>
<script src="{{ asset('sb-
admin/vendor/datatables/dataTables.bootstrap4.min.js')
 }}"></script>
<!-- Page level custom scripts -->
<script src="{{ asset('sb-admin/js/demo/datatables-demo.js')
 }}"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-
datepicker/1.9.0/js/bootstrap-datepicker.min.js" integrity="sha512-
T/tUfKSV1bihCnd+MxKD0Hm1uBBroVYBOYSk1knyvQ9VyZJ
pc/ALb4P0r6ubwVPSGB2GvjeoMAJJImBG12TiaQ=="
crossorigin="anonymous" referrerpolicy="no-referrer"></script>
<script>
$(".ubahdata").on( "click", function() {
    var data = $(this).attr('value');
    data = data.split('|');
    var url = "{{ url('data') }}";

    $('#period_id').val(data[1]);
    $('#menu_id').val(data[2]);
    $('#actual').val(data[3]);

```

```

    $('#action').attr('action', url +'/' + data[0]);
  });

  function convertDateTimeDBtoIndo(text){
    // contoh : 2019-01-30 10:20:20

    var bulan = ['', 'Januari', 'Februari', 'Maret', 'April', 'Mei', 'Juni',
    'Juli', 'Agustus', 'September', 'Oktober', 'November', 'Desember'];

    var date = text.split("-");

    var bb = parseInt(date[1]);

    return bulan[bb] + " " + date[0];
  }

  function getval(sel)
  {
    var id = sel.value;

    var url = "{{url('data-periode')}}/"+id;

    $.get(url, function( data ) {

      var tampung = "";

      $.each(data, function(k, v) {
        tampung += `<option
        value="`+v['id']+`">`+convertDateTimeDBtoIndo(v['month']+`
        (Minggu ke-`+v['week']+`)</option>`;
      });

      $('#pd').empty();
      $('#pd').append(tampung);
    });
  }
</script>
@endsection

```

5. *Source code* halaman peramalan

```

@extends('layouts.app')
@section('title', '')

@section('css')
<link rel="stylesheet"

```

```

href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-
datepicker/1.9.0/css/bootstrap-datepicker.min.css"
integrity="sha512-
mSYUmp1HYZDFaVKK//63EcZq4iFWFjxSL+Z3T/aCt4IO9Cej
m03q3NKKYN6pFQzY0SBOOr8h+eCIAZHPXcpZaNw=="
crossorigin="anonymous" referrerpolicy="no-referrer" />
<!-- Custom styles for this page -->
<link href="{{ asset('sb-
admin/vendor/datatables/dataTables.bootstrap4.min.css') }}"
rel="stylesheet">
@endsection

@php
$a = 0;
$ftm1 = 0;
$ft1 = 0;
$label = array();
$dataset = array();
$has_ramal = array(null);

function tgl_indo($tanggal){
    $bulan = array (
        1 => 'Januari',
        'Februari',
        'Maret',
        'April',
        'Mei',
        'Juni',
        'Juli',
        'Agustus',
        'September',
        'Oktober',
        'November',
        'Desember'
    );
    $pecahkan = explode('-', $tanggal);

    // variabel pecahkan 0 = tanggal
    // variabel pecahkan 1 = bulan
    // variabel pecahkan 2 = tahun

    return $bulan[ (int)$pecahkan[1] ] . ' ' . $pecahkan[0];
}
@endphp
@section('content')
<div class="d-sm-flex align-items-center justify-content-between

```

```

mb-4">
  <h1 class="h3 mb-0 text-gray-800">Peramalan</h1>
</div>

<div class="row">
  <div class="col-md-12 text-center">
    <form method="POST" action="{{ url('forecasting') }}">
      @csrf
      <div class="row">
        <div class="col-md-6">
          <select type="text" class="form-control"
name="menu_id" value="{{ $menu_id }}">
            <option value="">Pilih Menu</option>
            @foreach ($menu as $item)
              <option value="{{ $item->id }}" {{ ($menu_id ==
$item->id) ? 'selected' : '' }}>{{ $item->menu_name }}</option>
            @endforeach
          </select>
        </div>
        <div class="col-md-2">
          <select type="text" class="form-control" name="alpha"
value="" id="alpha">
            <option value="">Pilih Alpha</option>
            @for ($i=0;$i < 9;$i++)
              @php
                $a += 0.1;
              @endphp
              <option value="{{ $a }}">{{ $a }}</option>
            @endfor
          </select>
        </div>
        <div class="col-md-2">
          <input type="number" class="form-control"
name="jumlah" value="{{ ($jumlah!=0) ? $jumlah : '' }}"
id="jumlah" placeholder="Jumlah Minggu">
        </div>
        <div class="col-md-2">
          <button type="submit" class="btn btn-primary btn-
block">Lihat Peramalan</button>
        </div>
      </div>
    </form>
  </div>
</div>

@if (count($data) > 0)

```



```

<div class="row justify-content-center mt-5 mb-3">
  <div class="col-md-3 mb-3">
    <div class="card">
      <div class="card-header text-center font-weight-bold bg-
primary text-white border-bottom">
        <h5>Peramalan Penjualan Minggu Depan</h5>
      </div>
      <div class="card-body text-lg-center font-weight-bold bg-
white">
        @php
          $jum = count($data) - 1;
          $fweek = ($alpha * $data[$jum]->actual) + ((1-
$alpha) * $data[$jum-1]->actual);
        @endphp

        <span id="op"></span> {{ $produk->menu_name }}
      </div>
    </div>
  </div>

  <div class="col md-9">
    <div class="card">
      <div class="card-header text-center font-weight-bold bg-
primary text-white border-bottom">
        <h5>Trend {{ $produk->menu_name }}</h5>
      </div>
      <div class="card-body">
        <canvas id="myChart" style="width: 25%;"></canvas>
      </div>
    </div>
  </div>
</div>
@endif

<div class="row justify-content-center py-5">
  <div class="col-md-12 table-responsive">
    <table class="table table-stripped table-bordered">
      <thead class="text-center bg-primary text-white">
        <tr>
          {{ -- <th>No</th> -- }}
          <th>Periode</th>
          <th>X</th>
          <th>Ft+1</th>
          <th>Xt-Ft</th>
          <th>(Xt-Ft)^2</th>
          <th>Absolut</th>

```

```

<th>Error</th>
<tr>
</thead>
<tbody>
  @forelse ($data as $key => $item)
  @php
    if($key != 0) {
      if($key > 1){
        $ft1 = ($alpha * $item->actual) + ((1-$alpha) *
$ftm1);
        // $ft1 = ($alpha * $data[$key-1]->actual) + ((1-
$alpha) * $ftm1);
      }
      else {
        $ft1 = $data[$key-1]->actual;
      }
    }
    else {
      $ft1 = 0;
    }

    if($key > 1) {
      $xtft = $item->actual - $ft1;
    }
    else {
      $xtft = 999999;
    }

    $ftm1 = $ft1;

    array_push($label,  tgl_indo($item->period->month).'
(Minggu ke-'. $item->period->week.'));
    array_push($dataset, $item->actual);
    array_push($has_ramal, ($ft1!=0) ? round($ft1) : null);
  @endphp
  <tr class="text-center">
    {{-- <td>{{ $loop->iteration }}.</td> --}}
    <td>{{ tgl_indo($item->period->month) }} (Minggu
ke-{{ $item->period->week }})</td>
    <td>{{ $item->actual }}</td>
    <td>{{ ($ft1!=0) ? round($ft1) : " }}</td>
    <td>{{ ($xtft!=999999) ? $xtft : " }}</td>
    <td class="sum1">{{ ($xtft!=999999) ? pow($xtft, 2) :
" }}</td>

```

```

        <td class="sum2">{{ ($xftf!=999999) ? abs($xftf) : "
    }}</td>
        <td class="sum3">{{ ($xftf!=999999) ? (abs($xftf) /
    $item->actual) : " }}</td>
    </tr>
    @empty
    <tr class="text-center">
        <td colspan="7">Data Belum Ada</td>
    </tr>
    @endforelse

    @if (count($data) > 0)
    <tr class="text-center">
        <th colspan="4">Total</th>
        <th id="sum1">0</th>
        <th id="sum2">0</th>
        <th id="sum3">0</th>
    </tr>
    <tr class="text-center">
        <th colspan="4">MSE</th>
        <th id="mse">0</th>
        <th id=""></th>
        <th id=""></th>
    </tr>
    <tr class="text-center">
        <th colspan="4">MAE</th>
        <th id=""></th>
        <th id="mae">0</th>
        <th id=""></th>
    </tr>
    <tr class="text-center">
        <th colspan="4">MAPE</th>
        <th id=""></th>
        <th id=""></th>
        <th id="mape">0</th>
    </tr>
    @endif
</tbody>
</table>
</div>
</div>
@php
    array_push($has_ramal, '0');
    array_push($label, 'Minggu Depan');
@endphp

```

```
<input type="hidden" value="{{ round($ft1) }}" id="hrm">
@endsection

@section('js')
    <!-- Page level plugins -->
    <script src="{{ asset('sb-admin/vendor/datatables/jquery.dataTables.min.js') }}"></script>
    <script src="{{ asset('sb-admin/vendor/datatables/dataTables.bootstrap4.min.js') }}"></script>

    <script src="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-datepicker/1.9.0/js/bootstrap-datepicker.min.js" integrity="sha512-T/tUfKSV1bihCnd+MxKD0Hm1uBBroVYBOYSk1knyvQ9VyZJpc/ALb4P0r6ubwVPSGB2GvjeoMAJJIImBG12TiaQ==" crossorigin="anonymous" referrerpolicy="no-referrer"></script>

    <script>
        var totaldata = parseInt("{{ count($data) }}") - 2;

        var sum1 = 0;
        $('.sum1').each(function(){
            if(isNaN(parseFloat($(this).text().trim()))){
                {
                    sum1 += 0;
                }
            }
            else {
                sum1 += parseFloat($(this).text().trim());
            }
        });

        var sum2 = 0;
        $('.sum2').each(function(){
            if(isNaN(parseFloat($(this).text().trim()))){
                {
                    sum2 += 0;
                }
            }
            else {
                sum2 += parseFloat($(this).text().trim());
            }
        });

        var sum3 = 0;
        $('.sum3').each(function(){
            if(isNaN(parseFloat($(this).text().trim()))){
                {
```

```
        sum3 += 0;
    }
    else {
        sum3 += parseFloat($(this).text().trim());
    }
});
```

```
$('#sum1').text(sum1);
$('#sum2').text(sum2);
$('#sum3').text(sum3);
$('#mse').text((sum1/totaldata).toFixed(2));
$('#mae').text((sum2/totaldata).toFixed(2));
var persen = (sum3/totaldata).toFixed(2);
```

```
$('#mape').text((persen * 100) + ' %');
```

```
$('#op').text($('#hrm').val());
@if($alpha != 0)
$('#alpha').val("{{ $alpha }}");
@endif
```

```
</script>
```

```
<script src="{{ asset('sb-admin/vendor/chart.js/Chart.min.js')
}}"></script>
```

```
<script>
```

```
var has_ramal = {!! json_encode($has_ramal) !!};
var dataset = {!! json_encode($dataset) !!};
const labels = {!! json_encode($label) !!};
```

```
console.log(labels);
console.log(dataset);
console.log(has_ramal);
```

```
const data = {
  labels: labels,
  datasets: [{
    label: 'Data Aktual',
    backgroundColor: "",
    borderColor: 'rgb(255, 99, 132)',
    data: dataset,
  }],
  {
    label: 'Hasil Peramalan',
    backgroundColor: "",
    borderColor: 'rgb(20, 0, 132)',
```

```
        data: has_ramal,  
      },  
    ]  
  };  
  
  const config = {  
    type: 'line',  
    data,  
    options: {}  
  };  
  
  var myChart = new Chart(  
    document.getElementById('myChart'),  
    config  
  );  
</script>  
@endsection
```

