**LAMPIRAN**

**SOURCE CODE**

1. **Index.php**

<!DOCTYPE html>

<?php

include "fungsimenu.php";

?>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<meta name="description" content="">

<meta name="author" content="">

<title>Clustering Penjualan</title>

<!-- core CSS -->

<link href="css/bootstrap.min.css" rel="stylesheet">

<link href="css/font-awesome.min.css" rel="stylesheet">

<link href="css/animate.min.css" rel="stylesheet">

<link href="css/prettyPhoto.css" rel="stylesheet">

<link href="css/main.css" rel="stylesheet">

<link href="css/responsive.css" rel="stylesheet">

<!--[if lt IE 9]>

<script src="js/html5shiv.js"></script>

<script src="js/respond.min.js"></script>

<![endif]-->

<link rel="shortcut icon" href="images/ico/favicon.ico">

<link rel="apple-touch-icon-precomposed" sizes="144x144" href="images/ico/apple-touch-icon-144-precomposed.png">

<link rel="apple-touch-icon-precomposed" sizes="114x114" href="images/ico/apple-touch-icon-114-precomposed.png">

<link rel="apple-touch-icon-precomposed" sizes="72x72" href="images/ico/apple-touch-icon-72-precomposed.png">

<link rel="apple-touch-icon-precomposed" href="images/ico/apple-touch-icon-57-precomposed.png">

</head><!--/head-->

<body class="homepage">

<header id="header">

<div class="top-bar">

<div class="container">

</div><!--/.container-->

</div><!--/.top-bar-->

<nav class="navbar navbar-inverse" role="banner">

<div class="container">

<div class="navbar-header">

<button type="button" class="navbar-toggle" data-toggle="collapse" data-target=".navbar-collapse">

<span class="sr-only">Toggle navigation</span>

<span class="icon-bar"></span>

<span class="icon-bar"></span>

<span class="icon-bar"></span>

</button>

<a class="navbar-brand" href="index.html"><img src="images/logo.png" alt="logo"></a>

</div>

<div class="collapse navbar-collapse navbar-right">

<?php

menu();

?>

</div>

</div><!--/.container-->

</nav><!--/nav-->

</header><!--/header-->

<section id="main-slider" class="no-margin">

<div class="carousel slide">

<div class="carousel-inner">

<div class="item active" style="background-image: url(images/slider/bg1.jpg)">

<div class="container">

<div class="row slide-margin">

<div class="col-sm-6">

<div class="carousel-content">

<h1 class="animation animated-item-1">Penerapan Data Mining Untuk Menentukan Strategi Penjualan </h1>

<h2 class="animation animated-item-2">Pada Toko Luxor Variasi Mobil Gorontalo Dengan Menggunakan Metode K-Means Clustering</h2>

<!--<a class="btn-slide animation animated-item-3" href="#">Lihat Hasil</a>-->

</div>

</div>

<div class="col-sm-6 hidden-xs animation animated-item-4">

<div class="slider-img">

<img src="images/slider/eliteglass\_cars\_home copy.png" class="img-responsive">

</div>

</div>

</div>

</div>

</div><!--/.item-->

</div><!--/.carousel-inner-->

</div><!--/.carousel-->

</section><!--/#main-slider-->

<section id="feature" >

<div class="container">

<div class="center wow fadeInDown">

<h2>Features</h2>

<p class="lead">Toko Luxor Variasi Mobil Gorontalo merupakan salah satu toko terbesar yang bergerak dibidang variasi mobil dengan produk utama seperti kaca film mobil, tape mobil, sarung jok mobil, dan aksesoris lainnya. toko luxor variasi mobil membutuhkan strategi-strategi penjualan untuk dapat menarik minat pembeli dan meningkatkan laba atau pendapatan perusahaan</p>

</div>

<div class="row">

<div class="col-sm-6 col-md-4">

<div class="media services-wrap wow fadeInDown">

<div class="pull-left">

<img class="img-responsive" src="images/services/services3.png">

</div>

<div class="media-body">

<h3 class="media-heading">Accesoris Mobil</h3>

<p>Lorem ipsum dolor sit ame consectetur adipisicing elit</p>

</div>

</div>

</div>

<div class="col-sm-6 col-md-4">

<div class="media services-wrap wow fadeInDown">

<div class="pull-left">

<img class="img-responsive" src="images/services/services1.png">

</div>

<div class="media-body">

<h3 class="media-heading"><i>Clustering</i></h3>

<p>Lorem ipsum dolor sit ame consectetur adipisicing elit</p>

</div>

</div>

</div>

<div class="col-sm-6 col-md-4">

<div class="media services-wrap wow fadeInDown">

<div class="pull-left">

<img class="img-responsive" src="images/services/services4.png">

</div>

<div class="media-body">

<h3 class="media-heading">Algoritma <i>K-Means</i></h3>

<p>Lorem ipsum dolor sit ame consectetur adipisicing elit</p>

</div>

</div>

</div>

</div>

<div class="row">

<!--/.services-->

</div><!--/.row-->

</div><!--/.container-->

</section><!--/#feature-->

<?php

foot();

?>

<!--/#footer-->

<script src="js/jquery.js"></script>

<script src="js/bootstrap.min.js"></script>

<script src="js/jquery.prettyPhoto.js"></script>

<script src="js/jquery.isotope.min.js"></script>

<script src="js/main.js"></script>

<script src="js/wow.min.js"></script>

</body>

</html>

1. **login.php**

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>Login</title>

<link rel="shortcut icon" type="image/x-icon" href="spk\_admin/css/images/pavicon.png" />

<link rel="stylesheet" href="assets2/css/bootstrap.min.css">

<link rel="stylesheet" href="assets2/css/login.css">

<link rel="stylesheet" href="assets2/magic/magic.css">

</head>

<body>

<div class="container">

<div class="text-center">

<img src="assets2/img/logo.png" alt="Metis Logo">

</div>

<div class="tab-content">

<div id="login" class="tab-pane active">

<form action="proses\_login.php" class="form-signin" method="post">

<p class="muted text-center"><font color="white">

Login Terlebih Dahulu Untuk Menggunakan Aplikasi Ini

</font>

</p>

<input type="text" placeholder="Username" name="username" class="input-block-level">

<input type="password" placeholder="Password" name="password" class="input-block-level">

<button class="btn btn-large btn-primary btn-block" type="submit">Sign in</button>

</form>

</div>

<div id="forgot" class="tab-pane">

<form action="index.html" class="form-signin">

<p class="muted text-center">

Enter your valid e-mail

</p>

<input type="email" placeholder="mail@domain.com" required="required" class="input-block-level">

<br>

<br>

<button class="btn btn-large btn-danger btn-block" type="submit">Recover Password</button>

</form>

</div>

<div id="signup" class="tab-pane">

<form action="index.html" class="form-signin">

<input type="text" placeholder="username" class="input-block-level">

<input type="email" placeholder="mail@domain.com" class="input-block-level">

<input type="password" placeholder="password" class="input-block-level">

<button class="btn btn-large btn-success btn-block" type="submit">Register</button>

</form>

</div>

</div>

<div class="text-center">

<ul class="inline">

<li><a href="index.php" ><font color="white">Kembali</font></a></li>

</ul>

</div>

</div> <!-- /container -->

<script src="//ajax.googleapis.com/ajax/libs/jquery/1.10.1/jquery.min.js"></script>

<script>window.jQuery || document.write('<script src="assets2/js/vendor/jquery-1.10.1.min.js"><\/script>')</script>

<script type="text/javascript" src="assets2/js/vendor/bootstrap.min.js"></script>

<script>

$('.inline li > a').click(function() {

var activeForm = $(this).attr('href') + ' > form';

//console.log(activeForm);

$(activeForm).addClass('magictime swap');

//set timer to 1 seconds, after that, unload the magic animation

setTimeout(function() {

$(activeForm).removeClass('magictime swap');

}, 1000);

});

</script>

</body>

</html>

1. **Proses Login.php**

<?php

// include\_once ('../config/koneksi.php');

include\_once "../library/inc.connection.php";

include\_once "../library/inc.library.php";

// Baca Jam pada Komputer

date\_default\_timezone\_set("Asia/Jakarta");

?>

<?php

error\_reporting(0);

// memanggil file koneksi.php

//include "../config/koneksi.php";

// membuat variable dengan nilai dari form

$username = $\_POST['username']; // variablenya = username, dan nilainya sesuai yang dimasukkan di input name=”username” tadi

$password = $\_POST['password']; // variable password, dan nilainya sesuai yang dimasukkan di input name=”password” tadi

// md5 ada sebuah fungsi PHP untuk engkripsi. misalnya admin jadi 21232f297a57a5a743894a0e4a801fc3. untuk lengkapnya, silahkan googling tentang md5

// proses untuk login

// menyesuaikan dengan data di database

$perintah = "select \* from user WHERE username = '$username' AND password = '$password' AND status\_admin = 'aktif'";

$hasil = mysql\_query($perintah);

$row = mysql\_fetch\_array($hasil);

if ($row['username'] == $username AND $row['password'] == $password) {

session\_start(); // memulai fungsi session

$level=$row['level'];

$nama\_lengkap=$row['nama\_lengkap'];

$\_SESSION['username'] = $username;

$\_SESSION['nama\_lengkap'] = $nama\_lengkap;

$\_SESSION['level'] = $level;

header("location:index.php"); // jika berhasil login, maka masuk ke file home.php

}

else {

echo "Gagal Masuk"; // jika gagal, maka muncul teks gagal masuk

header("location:login.php?action=gagal");

}

?>

1. **Function\_KMeans.php**

<?php

include\_once "../library/inc.connection.php";

include\_once "../library/inc.library.php";

// Baca Jam pada Komputer

date\_default\_timezone\_set("Asia/Jakarta");

error\_reporting(0);

?>

<?php

$sql9 = mysql\_query("TRUNCATE TABLE min\_distance");

$sql9 = mysql\_query("TRUNCATE TABLE square\_distance");

//1. Mendefenisikan Centroid

$D1[]=0;

$D1[]=1;

$D1[]=1;

$D1[]=100000;

$D2[]=0;

$D2[]=3;

$D2[]=3;

$D2[]=350000;

$D3[]=0;

$D3[]=5;

$D3[]=16;

$D3[]=500000;

//2. Memanggil Data Training;

$sqla = mysql\_query("SELECT \* from training group by id\_training order by id\_training asc");

while ($dta = mysql\_fetch\_array($sqla))

{

$id\_training=$dta['id\_training'];

// echo "<br>";

$i=0;

$Tjarak1=0;

$Tjarak2=0;

$Tjarak3=0;

$sqlb = mysql\_query("SELECT \* from training where id\_training='$id\_training' ");

while ($dtb = mysql\_fetch\_array($sqlb)) {

$id\_variabel=$dtb['id\_variabel'];

//menghitung selisih data training dengan nilai centroid

$value=$dtb['value'];

$jarak1 = ($value-$D1[$i]);

$jarak2 = ($value-$D2[$i]);

$jarak3 = ($value-$D3[$i]);

// echo "$id\_training = ($value-$D1[$i])<br>";

$kjarak1=pow($jarak1,2);

$kjarak2=pow($jarak2,2);

$kjarak3=pow($jarak3,2);

$Tjarak1=$Tjarak1+$kjarak1;

$Tjarak2=$Tjarak2+$kjarak2;

$Tjarak3=$Tjarak3+$kjarak3;

$i=$i+1;

}

//menghitung kuadrat jarak tiap data

$jarak1d1=sqrt($Tjarak1);

$jarak2d2=sqrt($Tjarak2);

$jarak3d3=sqrt($Tjarak3);

//echo "$id\_training||C2=$jarak1d1||C2=$jarak2d2||C3=$jarak3d3<br>";

if (($jarak1d1<$jarak2d2)and ($jarak1d1<$jarak3d3))

{

$cluster="C1";

}

else if (($jarak2d2<$jarak1d1)and ($jarak2d2<$jarak3d3))

{

$cluster="C2";

}

else if (($jarak3d3<$jarak1d1)and ($jarak3d3<$jarak2d2))

{

$cluster="C3";

}

$jarakmin=min($jarak1d1,$jarak2d2,$jarak3d3);

//3. memasukkan hasil perhitungan jarak pada setiap datatraining ke tabel min\_distance.

$query = "INSERT INTO min\_distance (id\_training,jarak,Clustering) VALUES('$id\_training','$jarakmin','$cluster')";

$hasil = mysql\_query($query);

}

//4. Menghitung centrioid baru.

echo "menghitung centroid baru untuk C1<br>";

$sqlb3 = mysql\_query("SELECT \* from min\_distance where Clustering='C1' ");

while ($dtb3 = mysql\_fetch\_array($sqlb3))

{

$id\_training=$dtb3['id\_training'];

$sqlb3a = mysql\_query("SELECT \* from training where id\_training='$id\_training' and id\_variabel='VR02' ");

$dtb3a = mysql\_fetch\_array($sqlb3a);

$valuert[]=$dtb3a['value'];

$value1=$dtb3a['value'];

//echo "$id\_training nilai Vr01 adalah $value1<br>";

$sqlb3a2 = mysql\_query("SELECT \* from training where id\_training='$id\_training' and id\_variabel='VR03' ");

$dtb3a2 = mysql\_fetch\_array($sqlb3a2);

$valuert2[]=$dtb3a2['value'];

$sqlb3a3 = mysql\_query("SELECT \* from training where id\_training='$id\_training' and id\_variabel='VR04' ");

$dtb3a3 = mysql\_fetch\_array($sqlb3a3);

$valuert3[]=$dtb3a3['value'];

}

for ($i=0; $i<=count($valuert)-1; $i++)

{

$bilangan[$i]=$valuert[$i];

$jumlah=$jumlah+$bilangan[$i];

}

for ($i=0; $i<=count($valuert2)-1; $i++)

{

$bilangan2[$i]=$valuert2[$i];

$jumlah2=$jumlah2+$bilangan2[$i];

}

for ($i=0; $i<=count($valuert3)-1; $i++)

{

$bilangan3[$i]=$valuert3[$i];

$jumlah3=$jumlah3+$bilangan3[$i];

}

$perbaikanC1a=$jumlah/count($valuert);

$perbaikanC2a=$jumlah2/count($valuert2);

$perbaikanC3a=$jumlah3/count($valuert3);

echo "<br>=========Perbaikan Centroid 1 dimensi 1 $perbaikanC1a=====================";

echo "<br>=========Perbaikan Centroid 1 dimensi 2 $perbaikanC2a=====================";

echo "<br>=========Perbaikan Centroid 1 dimensi 3 $perbaikanC3a=====================";

////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////

echo "<br>menghitung centroid baru untuk C2<br>";

$sqlb3c2 = mysql\_query("SELECT \* from min\_distance where Clustering='C2' ");

while ($dtb3c2 = mysql\_fetch\_array($sqlb3c2))

{

$id\_trainingc2=$dtb3c2['id\_training'];

$sqlb3ac2 = mysql\_query("SELECT \* from training where id\_training='$id\_trainingc2' and id\_variabel='VR02' ");

$dtb3ac2 = mysql\_fetch\_array($sqlb3ac2);

$valuertc2[]=$dtb3ac2['value'];

$value1=$dtb3a['value'];

//echo "$id\_training nilai Vr01 adalah $value1<br>";

$sqlb3a2c2 = mysql\_query("SELECT \* from training where id\_training='$id\_trainingc2' and id\_variabel='VR03' ");

$dtb3a2c2 = mysql\_fetch\_array($sqlb3a2c2);

$valuert2c2[]=$dtb3a2c2['value'];

$sqlb3a3c2 = mysql\_query("SELECT \* from training where id\_training='$id\_trainingc2' and id\_variabel='VR04' ");

$dtb3a3c2 = mysql\_fetch\_array($sqlb3a3c2);

$valuert3c2[]=$dtb3a3c2['value'];

}

for ($i=0; $i<=count($valuertc2)-1; $i++)

{

$bilanganc2[$i]=$valuertc2[$i];

$jumlahc2=$jumlahc2+$bilanganc2[$i];

}

for ($i=0; $i<=count($valuert2c2)-1; $i++)

{

$bilangan2c2[$i]=$valuert2c2[$i];

$jumlah2c2=$jumlah2c2+$bilangan2c2[$i];

}

for ($i=0; $i<=count($valuert3c2)-1; $i++)

{

$bilangan3c2[$i]=$valuert3c2[$i];

$jumlah3c2=$jumlah3c2+$bilangan3c2[$i];

}

$perbaikanC1b=$jumlahc2/count($valuertc2);

$perbaikanC2b=$jumlah2c2/count($valuert2c2);

$perbaikanC3b=$jumlah3c2/count($valuert3c2);

echo "<br>=========Perbaikan Centroid 2 dimensi 1 $perbaikanC1b=====================";

echo "<br>=========Perbaikan Centroid 2 dimensi 2 $perbaikanC2b=====================";

echo "<br>=========Perbaikan Centroid 2 dimensi 3 $perbaikanC3b=====================";

//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////

echo "<br>menghitung centroid baru untuk C2<br>";

$sqlb3c3 = mysql\_query("SELECT \* from min\_distance where Clustering='C3' ");

while ($dtb3c3 = mysql\_fetch\_array($sqlb3c3))

{

$id\_trainingc3=$dtb3c3['id\_training'];

$sqlb3ac3 = mysql\_query("SELECT \* from training where id\_training='$id\_trainingc3' and id\_variabel='VR02' ");

$dtb3ac3 = mysql\_fetch\_array($sqlb3ac3);

$valuertc3[]=$dtb3ac3['value'];

//$value1=$dtb3a['value'];

//echo "$id\_training nilai Vr01 adalah $value1<br>";

$sqlb3a2c3 = mysql\_query("SELECT \* from training where id\_training='$id\_trainingc3' and id\_variabel='VR03' ");

$dtb3a2c3 = mysql\_fetch\_array($sqlb3a2c3);

$valuert2c3[]=$dtb3a2c3['value'];

$sqlb3a3c3 = mysql\_query("SELECT \* from training where id\_training='$id\_trainingc3' and id\_variabel='VR04' ");

$dtb3a3c3 = mysql\_fetch\_array($sqlb3a3c3);

$valuert3c3[]=$dtb3a3c3['value'];

}

for ($i=0; $i<=count($valuertc3)-1; $i++)

{

$bilanganc3[$i]=$valuertc3[$i];

$jumlahc3=$jumlahc3+$bilanganc3[$i];

}

for ($i=0; $i<=count($valuert2c3)-1; $i++)

{

$bilangan2c3[$i]=$valuert2c3[$i];

$jumlah2c3=$jumlah2c3+$bilangan2c3[$i];

}

for ($i=0; $i<=count($valuert3c3)-1; $i++)

{

$bilangan3c3[$i]=$valuert3c3[$i];

$jumlah3c3=$jumlah3c3+$bilangan3c3[$i];

}

$perbaikanC1c=$jumlahc3/count($valuertc3);

$perbaikanC2c=$jumlah2c3/count($valuert2c3);

$perbaikanC3c=$jumlah3c3/count($valuert3c3);

echo "<br>=========Perbaikan Centroid 3 dimensi 1 $perbaikanC1c=====================";

echo "<br>=========Perbaikan Centroid 3 dimensi 2 $perbaikanC2c=====================";

echo "<br>=========Perbaikan Centroid 3 dimensi 3 $perbaikanC3c=====================";

//4. Mengulang Proses Clustrer.

unset($D1);

unset($D2);

unset($D3);

unset($dta);

unset($dtb);

$D1[]=0;

$D1[]=$perbaikanC1a;

$D1[]=$perbaikanC2a;

$D1[]=$perbaikanC2a;

$D2[]=0;

$D2[]=$perbaikanC1b;

$D2[]=$perbaikanC2b;

$D2[]=$perbaikanC3b;

$D3[]=0;

$D3[]=$perbaikanC1c;

$D3[]=$perbaikanC2c;

$D3[]=$perbaikanC3c;

//2. Memanggil Data Training;

$sqla = mysql\_query("SELECT \* from training group by id\_training order by id\_training asc");

while ($dta = mysql\_fetch\_array($sqla))

{

$id\_training=$dta['id\_training'];

// echo "<br>";

$i=0;

$Tjarak1=0;

$Tjarak2=0;

$Tjarak3=0;

$sqlb = mysql\_query("SELECT \* from training where id\_training='$id\_training' ");

while ($dtb = mysql\_fetch\_array($sqlb)) {

$id\_variabel=$dtb['id\_variabel'];

//menghitung selisih data training dengan nilai centroid

$value=$dtb['value'];

$jarak1 = ($value-$D1[$i]);

$jarak2 = ($value-$D2[$i]);

$jarak3 = ($value-$D3[$i]);

// echo "$id\_training = ($value-$D1[$i])<br>";

$kjarak1=pow($jarak1,2);

$kjarak2=pow($jarak2,2);

$kjarak3=pow($jarak3,2);

$Tjarak1=$Tjarak1+$kjarak1;

$Tjarak2=$Tjarak2+$kjarak2;

$Tjarak3=$Tjarak3+$kjarak3;

$i=$i+1;

}

//menghitung kuadrat jarak tiap data

$jarak1d1=sqrt($Tjarak1);

$jarak2d2=sqrt($Tjarak2);

$jarak3d3=sqrt($Tjarak3);

//echo "$id\_training||C2=$jarak1d1||C2=$jarak2d2||C3=$jarak3d3<br>";

if (($jarak1d1<$jarak2d2)and ($jarak1d1<$jarak3d3))

{

$cluster="C1";

}

else if (($jarak2d2<$jarak1d1)and ($jarak2d2<$jarak3d3))

{

$cluster="C2";

}

else if (($jarak3d3<$jarak1d1)and ($jarak3d3<$jarak2d2))

{

$cluster="C3";

}

$jarakmin=min($jarak1d1,$jarak2d2,$jarak3d3);

//3. memasukkan hasil perhitungan jarak pada setiap datatraining ke tabel min\_distance.

$query = "INSERT INTO square\_distance (id\_training,jarak,Clustering) VALUES('$id\_training','$jarakmin','$cluster')";

$hasil = mysql\_query($query);

}

// header('Location:detail.php');

?>

1. **Tabel\_Clustering.php**

<?php

include\_once "../library/inc.connection.php";

include\_once "../library/inc.library.php";

// Baca Jam pada Komputer

date\_default\_timezone\_set("Asia/Jakarta");

include\_once "fungsimenu.php";

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1">

<title>Simple Dashboard</title>

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<meta name="layout" content="main"/>

<script type="text/javascript" src="http://www.google.com/jsapi"></script>

<script src="js/jquery/jquery-1.8.2.min.js" type="text/javascript" ></script>

<link href="css/customize-template.css" type="text/css" media="screen, projection" rel="stylesheet" />

<style>

</style>

</head>

<body>

<div class="navbar navbar-fixed-top">

<div class="navbar-inner">

<div class="container">

<button class="btn btn-navbar" data-toggle="collapse" data-target="#app-nav-top-bar">

<span class="icon-bar"></span>

<span class="icon-bar"></span>

<span class="icon-bar"></span>

</button>

<a href="dashboard.html" class="brand"><i>Halaman Administrator Website</i></a>

<div id="app-nav-top-bar" class="nav-collapse">

<ul class="nav pull-right">

<?php

logout();

?>

</ul>

</div>

</div>

</div>

</div>

<div id="body-container">

<div id="body-content">

<?php

menu();

?>

<section class="nav nav-page">

<div class="container">

<div class="row">

<div class="span7">

<header class="page-header">

</header>

</div>

<div class="page-nav-options">

<div class="span9">

<ul class="nav nav-pills">

<li>

<header class="page-header">

<h3>Selamat Datang<br/>

<small><?php echo "$nama\_lengkap" ?></small>

</h3>

</header>

</li>

</ul>

</div>

</div>

</div>

</div>

</section>

<section class="page container">

<div class="row">

<div class="span17">

<div class="box">

<div class="box-header">

<i class="icon-folder-open"></i>

<h5>Hasil Clustering</h5>

</div>

<div class="box-content">

<p>

<table id="sample-table" class="table table-hover table-bordered tablesorter" width="100%">

<thead>

<?php

echo '<tr bgcolor="#1e3377">';

echo '<th width="10" rowspan="2"><font color="white">No</th>';

echo '<th width="200" rowspan="2"><center><font color="white">nama Barang</th>';

//echo '<th width="200" rowspan="2"><center><font color="white">Jumlah Transaksi </th>';

//echo '<th width="200" rowspan="2"><center><font color="white">Jumlah Set/Buah (qty)</th>';

//echo '<th width="200" rowspan="2"><center><font color="white"> Harga (Rp)</th>';

echo '<th width="200" colspan="3"><center><font color="white">Centroid 1</th>';

echo '<th width="200" colspan="3"><center><font color="white">Centroid 2</th>';

echo '<th width="200" colspan="3"><center><font color="white">Centroid 3</th>';

echo '<th width="100" rowspan="2" ><font color="white">Cluster 1</th>';

echo '<th width="100" rowspan="2"><font color="white">Cluster 2</th>';

echo '<th width="100" rowspan="2"><font color="white">Cluster 3</th>';

echo '</tr>';

echo '<tr bgcolor="#1e3377">';

echo '<th ><center><font color="white">1.446</th><th ><center><font color="white">1.765</th><th><center><font color="white">107553.191</th>';

echo '<th ><center><font color="white">1.969</th><th ><center><font color="white">2.484</th><th><center><font color="white">407196.96</th>';

echo '<th ><center><font color="white">1.257</th><th ><center><font color="white">1.542</th><th><center><font color="white">1367142.85</th>';

echo '</tr>';

?>

</thead>

<tbody>

<?php

$query = mysql\_query("SELECT \* FROM clustering");

if(!$query){

die( mysql\_error() );

}

$i=1;

while($row = mysql\_fetch\_array($query))

{

$i++;

?>

<tr>

<td><?php echo $row['id']; ?></td>

<?php

echo '<td>';

echo $row['nama\_barang'];

echo '</td>';

//echo '<td>';

//echo $row['jumlah\_transaksi'];

//echo '</td>';

//echo '<td>';

//echo $row['jumlah\_set'];

//echo '</td>';

//echo '<td>';

//echo $row['Harga'];

//echo '</td>';

echo '<td colspan="3" bgcolor="silver">';

echo $row['centroid1'];

echo '</td>';

echo '<td colspan="3" bgcolor="silver">';

echo $row['centroid2'];

echo '</td>';

echo '<td colspan="3" bgcolor="silver">';

echo $row['centroid3'];

echo '</td>';

echo '<td td bgcolor="yellow">';

echo $row['c1'];

echo '</td>';

echo '<td td bgcolor="yellow">';

echo $row['c2'];

echo '</td>';

echo '<td bgcolor="yellow">';

echo $row['c3'];

echo '</td>';

?>

<?php

$i=$i+1;

echo "</tr>";

}

mysql\_close();

?>

</tbody>

</table>

</p>

<p> setelah dilakukan proses clustering dengan menentukan cluster sebanyak 3, dari clustering tersebut terbentuk 3 kelompok yakni <br>1. kelompok barang dengan harga yang rendah dan dimanti konsumen (c1), <br>2. kelompok barang dengan harga yang sedang dan diminati Konsumen dan <br>3. kelompok Barang dengan harga tinggi dan tidak terlalu sering dibeli konsumen(c3)<br>

<p>Strategi penjualan yang berbeda dapat diterapkan pada ketiga jenis klaster tersebut dengan memberikan potongan atau diskon 10% pada barang yang masuk cluster 1, sedangkan pada clustering 2 perlu dilakukan promosi-promosi melalui media cetak dan koran,sedangkan pada clustering 3 perlu dilakukan penambahan stok dan inovasi dalam pelayanan untuk menarik minat dari para konsumen

</div>

</div>

</div>

</section>

</div>

</div>

<div id="spinner" class="spinner" style="display:none;">

Loading&hellip;

</div>

<footer class="application-footer">

<div class="container">

<p>Ayub Ismail</p>

<div class="disclaimer">

<p>Fakultas ilmu komputer Universitas ichsan .</p>

<p>Fikom © Unisan 2017</p>

</div>

</div>

</footer>

<script src="js/bootstrap/bootstrap-transition.js" type="text/javascript" ></script>

<script src="js/bootstrap/bootstrap-alert.js" type="text/javascript" ></script>

<script src="js/bootstrap/bootstrap-modal.js" type="text/javascript" ></script>

<script src="js/bootstrap/bootstrap-dropdown.js" type="text/javascript" ></script>

<script src="js/bootstrap/bootstrap-scrollspy.js" type="text/javascript" ></script>

<script src="js/bootstrap/bootstrap-tab.js" type="text/javascript" ></script>

<script src="js/bootstrap/bootstrap-tooltip.js" type="text/javascript" ></script>

<script src="js/bootstrap/bootstrap-popover.js" type="text/javascript" ></script>

<script src="js/bootstrap/bootstrap-button.js" type="text/javascript" ></script>

<script src="js/bootstrap/bootstrap-collapse.js" type="text/javascript" ></script>

<script src="js/bootstrap/bootstrap-carousel.js" type="text/javascript" ></script>

<script src="js/bootstrap/bootstrap-typeahead.js" type="text/javascript" ></script>

<script src="js/bootstrap/bootstrap-affix.js" type="text/javascript" ></script>

<script src="js/bootstrap/bootstrap-datepicker.js" type="text/javascript" ></script>

<script src="js/jquery/jquery-tablesorter.js" type="text/javascript" ></script>

<script src="js/jquery/jquery-chosen.js" type="text/javascript" ></script>

<script src="js/jquery/virtual-tour.js" type="text/javascript" ></script>

<script type="text/javascript">

$(function() {

$('#sample-table').tablesorter();

$('#datepicker').datepicker();

$(".chosen").chosen();

});

</script>

<script type="text/javascript">

$(function() {

$('#person-list.nav > li > a').click(function(e){

if($(this).attr('id') == "view-all"){

$('div[id\*="Person-"]').fadeIn('fast');

}else{

var aRef = $(this);

var tablesToHide = $('div[id\*="Person-"]:visible').length > 1

? $('div[id\*="Person-"]:visible') : $($('#person-list > li[class="active"] > a').attr('href'));

tablesToHide.hide();

$(aRef.attr('href')).fadeIn('fast');

}

$('#person-list > li[class="active"]').removeClass('active');

$(this).parent().addClass('active');

e.preventDefault();

});

$(function(){

$('table').tablesorter();

$("[rel=tooltip]").tooltip();

});

});

</script>

</body>

</html>