1. Create Database

Give name to database as dbline, where it contain five fields and data as shown by script sql below :

CREATE TABLE IF NOT EXISTS `comodity` (

`id` int(5) NOT NULL AUTO\_INCREMENT,

`month` varchar(20) NOT NULL,

`sugar` int(11) NOT NULL,

`rice` int(11) NOT NULL,

`wheat\_flour` int(11) NOT NULL,

PRIMARY KEY (`id`)

) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO\_INCREMENT=13 ;

INSERT INTO `comodity` (`id`, `month`, `sugar`, `rice`, `wheat\_flour`) VALUES

(1, 'Jan', 6415, 5442, 6759),

(2, 'Feb', 6430, 5457, 7921),

(3, 'Mar', 6437, 5376, 7291),

(4, 'Apr', 6301, 5398, 7627),

(5, 'May', 6440, 5363, 7641),

(6, 'Jun', 6502, 5501, 7704),

(7, 'Jul', 6441, 5471, 7744),

(8, 'Aug', 6465, 5400, 7820),

(9, 'Sep', 6446, 5420, 7790),

(10, 'Oct', 6700, 5900, 7850),

(11, 'Nov', 6650, 5460, 7320),

(12, 'Dec', 6680, 5789, 7867);

2. Create file dataline.php

In this file we establish a connection to the database,do query on each commodity like query to sugar, rice and wheat\_flour. Results of data query will be formatted in JSON.

<?php

$con=mysqli\_connect("localhost","root","","dbline");

if (!$con) {

die('Could not connect: ' . mysql\_error());

}

// Data for Sugar

$query = mysqli\_query($con,"SELECT sugar FROM comodity");

$rows = array();

$rows['name'] = 'Sugar';

while($tmp= mysqli\_fetch\_array($query)) {

$rows['data'][] = $tmp['sugar'];

}

// Data for Rice

$query = mysqli\_query($con,"SELECT rice FROM comodity");

$rows1 = array();

$rows1['name'] = 'Rice';

while($tmp = mysqli\_fetch\_array($query)) {

$rows1['data'][] = $tmp['rice'];

}

// Data for Wheat Flour

$query = mysqli\_query($con,"SELECT wheat\_flour FROM comodity");

$rows2 = array();

$rows2['name'] = 'Wheat Flour';

while($tmp = mysqli\_fetch\_array($query)) {

$rows2['data'][] = $tmp['wheat\_flour'];

}

$result = array();

array\_push($result,$rows);

array\_push($result,$rows1);

array\_push($result,$rows2);

print json\_encode($result, JSON\_NUMERIC\_CHECK);

mysqli\_close($con);

?>

3. Call JSON data and make property of line chart

In step 3, we will call the JSON data from the file of dataline.php. Then, we would set the type of graph with the line. Define the names of the months on the code of xAxis:{categories:[' '] and the price at yAxis:{ title: {text: 'Price (Rp)'}. If you want to display the legend vertically, do it on the code legend: {layout: 'vertical', because by default if we do not make the code, the legend will be horizontally by position below.

<script type="text/javascript">

$(function () {

var chart;

$(document).ready(function() {

$.getJSON("dataline.php", function(json) {

chart = new Highcharts.Chart({

chart: {

renderTo: 'mygraph',

type: 'line'

},

title: {

text: 'Comparison of Sugar, Rice and Wheat Flour'

},

subtitle: {

text: '(Price In 2008)'

},

xAxis: {

categories: ['Jan', 'Feb', 'Mar', 'Apr', 'May', 'Jun', 'Jul', 'Aug', 'Sep', 'Oct', 'Nov', 'Dec']

},

yAxis: {

title: {

text: 'Price (Rp)'

},

plotLines: [{

value: 0,

width: 1,

color: '#808080'

}]

},

tooltip: {

formatter: function() {

return '<b>'+ this.series.name +'</b><br/>'+

this.x +': '+ this.y;

}

},

legend: {

layout: 'vertical',

align: 'right',

verticalAlign: 'top',

x: -10,

y: 120,

borderWidth: 0

},

series: json

});

});

});

});

</script>

<script src="assets/js/highcharts.js"></script>

<script src="assets/js/exporting.js"></script>

4. Call id unique with div element

<div class="panel panel-primary">

<div class="panel-heading">The Graph of Browser Trends January 2015</div>

<div class="panel-body">

<div id ="mygraph"></div>

</div>

</div>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

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

<meta name="author" content="ilmu-detil.blogspot.com">

<title>Bootstrap Graph Using Highcharts </title>

<!-- Bagian css -->

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

<link rel="stylesheet" href="assets/css/ilmudetil.css">

<script src="assets/js/jquery-1.10.1.min.js"></script>

<script type="text/javascript">

$(function () {

var chart;

$(document).ready(function() {

$.getJSON("dataline.php", function(json) {

chart = new Highcharts.Chart({

chart: {

renderTo: 'mygraph',

type: 'line'

},

title: {

text: 'Comparison of Sugar, Rice and Wheat Flour'

},

subtitle: {

text: '(Price In 2008)'

},

xAxis: {

categories: ['Jan', 'Feb', 'Mar', 'Apr', 'May', 'Jun', 'Jul', 'Aug', 'Sep', 'Oct', 'Nov', 'Dec']

},

yAxis: {

title: {

text: 'Price (Rp)'

},

plotLines: [{

value: 0,

width: 1,

color: '#808080'

}]

},

tooltip: {

formatter: function() {

return '<b>'+ this.series.name +'</b><br/>'+

this.x +': '+ this.y;

}

},

legend: {

layout: 'vertical',

align: 'right',

verticalAlign: 'top',

x: -10,

y: 120,

borderWidth: 0

},

series: json

});

});

});

});

</script>

<script src="assets/js/highcharts.js"></script>

<script src="assets/js/exporting.js"></script>

</head>

<body>

<nav class="navbar navbar-default navbar-fixed-top">

<div class="container">

<div class="navbar-header">

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

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

</button>

<a class="navbar-brand" href="index.html">

Pusat Ilmu Secara Detil</a>

</div>

<div class="navbar-collapse collapse">

<ul class="nav navbar-nav navbar-left">

<li class="clr1 active"><a href="index.html">Home</a></li>

<li class="clr2"><a href="">Programming</a></li>

<li class="clr3"><a href="">English</a></li>

</ul>

</div>

</div>

</nav>

</br></br></br></br>

<!--- Bagian Judul-->

<div class="container" style="margin-top:20px">

<div class="col-md-10">

<div class="panel panel-primary">

<div class="panel-heading">Commodity Price Graphs</div>

<div class="panel-body">

<div id ="mygraph"></div>

</div>

</div>

</div>

</div>

<script src="assets/js/highcharts.js"></script>

<script src="assets/js/jquery-1.10.1.min.js"></script>

<div class="navbar navbar-default navbar-fixed-bottom footer-bottom">

<div class="container text-center">

<p class="text-center">Copyright &copy; 2016, DTC. Developed by <a href="https://ilmu-detil.blogspot.com/">Pusat Ilmu</a></p>

</div>

</div>

</body>

</html>