KOMPUTER GRAFIK LINE CHART

FITRI FATHULILAH 171011400928 06TPLE018



Buatlah JFrameForm dengan nama "Home_Nama", dan desain sebagai berikut

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Buatlah new jInternalFrame Form dengan nama "BarChart_Nama"

🔾 New JInternalFrame Form				
Steps	Name and Lo	cation	_	
 Choose File Type Name and Location 	Class Name:	BarChart_Fitrii		
	Project:	FitriFathulilah_171011400928		
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Pada class Home_Nama, masukkan source dibawah ini pada menu Bar Chart

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E - S FitiFathulilah_171011400928	
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e 📑 FibiFath_171011400928 😡 E import javax.swing.JFrame;	
🗍 [@] BarChart_Fitri,java 10	
Le Home_Fitri.java 11 - /**	_
e e trivifathulilah_Pertemuan1 12 *	
DiagramBarjava 13 * @author USER	
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avaBarChart.java 17 🗁 / * *	
- M JavaPieBarjava 18 * Creates new form Home	
C S Javahi Chart Java 19 C ×/	
Hirlathullan_Pertenuan2 20 [] public Home Fitri() {	
HTriathullan_Pertenuan3 21 initComponents();	
UNS_HIM-BAUMUADI/10114003 22 ///setextendedstate()[JFrame.MAXIMI2ED_BOIH);	
W = UIS_HUHAMUMAN/JU114009 23 SetLocationKelativero(null);	
Brige Loranes 23	_
trip iscurres 20 C / /**	
The supplication 27 and supplication 27 b b b control contro	
a swappinguoiz 20 * waxatars bo hor incurry this could find the content of this method is always	-
31 (SuppressWarnings("unchecked")	
32 + Generated Code	
private void bar fathActionPerformed(java.awt.event.ActionEvent evt) {	
91 BarChart Fitri fath = new BarChart Fitri();	
92 pane fath.add(fath);	
93 fath.setVisible(true);	
94 L }	
95	
S 96 ₽ /**	
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Pada class BarChart_Nama, masukkan struktur diagram bar, dan dapat dilihat sebagai berikut

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Home_Fitri.java	5 L */						
🖶 🔛 FitriFathulilah_Pertemuan1	6 package FitriFath 171011400928;	_					
DiagramBar.java	7						
DiagramPie,java	😪 📮 import java.awt.Color;						
Bilana ing	9 import javax.swing.SwingUtilities;	+					
lavaBarChart java	<pre>import javax.swing.UIManager;</pre>						
	<pre>import org.jfree.chart.ChartFactory;</pre>						
lavaPieChart java	12 import org.jfree.chart.ChartFrame;						
EitriEathulilab Pertemuan2	13 import org.jfree.chart.ChartPanel;						
EitriEathulilah Pertemuan3	14 import org.jfree.chart.JFreeChart;						
UAS FitriFathulilah1710114009	import org.jfree.chart.plot.CategoryPlot;						
⊕ 🛱 UTS FitriFathulilah 1710114009	<pre>16 import org.jfree.chart.plot.PlotOrientation;</pre>						
🕀 🚹 Test Packages	17 import org.jfree.data.category.CategoryDataset;						
🕀 🔓 Libraries	18 - import org.jfree.data.category.DefaultCategoryDataset;	-					
🗄 🚡 Test Libraries	19						
javaApplication1							
🖶 🍉 JavaApplication2							
🗄 💩 Tugas	22 - Gauthor Firkt FAROLIAN	-					
	23	-					
	26 public BarChart Fitri() {						
	27 initComponents();						
	<pre>28 this.setTitle("BAR CHART by FITRI FATHULILAH");</pre>						
	29 //membuat diagram/chart jfreechart						
	30 //Membuat/mengkakulasikan data char						
	<pre>31 CategoryDataset dataset_fit = buildData();</pre>						
	32 // Membuat chart berdasarkan data yang ada pada dataset						
	<pre>33 JFreeChart chart_fit = buildChart(dataset_fit, "Bar");</pre>						
< >	34 // Memasukan chart pada panel agar lebih mudah ditampilkan pada komponen swing containe	~					
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Method untuk Set nilai yang ingin ditampilkan pada grafik

```
private CategoryDataset buildData() {
```

```
DefaultCategoryDataset dataSet_fit = new DefaultCategoryDataset();
String[] Bulan = {"Januari", "Februari", "Maret", "April"};
int[] ODP_fit = {20,50,125,100};
int[] PDP_fit = {10,20,100,50};
int[] Sus_fit = {50,70,80,85};
int[] Pos_fit = {15,55,65,68};
```

```
int[] Death_fit = {5,45,60,74};
```

```
for (int i=0; i<Bulan.length; i++){
   String bln = String.valueOf(Bulan[i]);
   dataSet_fit.addValue(ODP_fit[i], "ODP", bln);
   dataSet_fit.addValue(PDP_fit[i], "PDP", bln);
   dataSet_fit.addValue(Sus_fit[i], "Suspect", bln);
   dataSet_fit.addValue(Pos_fit[i], "Positif", bln);
   dataSet_fit.addValue(Death_fit[i], "Kematian", bln);
}
return dataSet_fit;</pre>
```

Dapat dilihat sebagai berikut

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BarChart_Fitri.java	26	P		public BarChart_Fitri() {		_	
Home_Fitri.java	27			<pre>initComponents();</pre>			
🕀 🔛 FitriFathulilah_Pertemuan1	28			this.setTitle("BAR CHART by FITRI FATHULILAH");		_	
FitriFathulilah_Pertemuan2	29			//membuat diagram/chart jfreechart			
FitriFathulilah_Pertemuan3	30			//Membuat/mengkakulasikan data char			
OAS_FitriFathulilah1/10114009	31			CategoryDataset dataset_fit = buildData();			
OIS_FitriFathulilah1/10114009	32			// Membuat chart berdasarkan data yang ada pada dataset			
	33			<pre>JFreeChart chart_fit = buildChart(dataset_fit, "Bar");</pre>			
Test Libraries	34			// Memasukan chart pada panel agar lebih mudah ditampikan pada komponen swing containe			
Est Libraries	35			ChartPanel parchart_itt = new ChartPanel(Chart_itt);		-	
JavaApplication1	36			//memasukan chart panel kegalam jpanel			
B SavaApplication2	37			this.setContentPane(Darchart_IIt);			
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	39			prime (storouwDetect buildDete() (
	41	Т		Defail CategoryDataset durisdat () (Defail CategoryDataset durisdat () (-	
	42			String[] Bulan = ("Innuari" "Echouari" "Marat" Unril".			
	43			int[] ODP fit = (20.50.125.100).			
	44			int[] ODF_II = (10,20,100,100);			
	45			int[] Sug fit = (10,20,100,00,0);		_	
	46			int[] Pos fit = {15,55,65,68};		_	
	47			int[] Death fit = {5,45,60,74}:			
	48						
	49			<pre>for (int i=0; i<bulan.length; i++)="" pre="" {<=""></bulan.length;></pre>			
	50			<pre>String bln = String.valueOf(Bulan[i]);</pre>			
	51			<pre>dataSet fit.addValue(ODP fit[i], "ODP", bln);</pre>			
	52			<pre>dataSet fit.addValue(PDP fit[i], "PDP", bln);</pre>			
	53			<pre>dataSet_fit.addValue(Sus_fit[i], "Suspect", bln);</pre>			
	54			<pre>dataSet_fit.addValue(Pos_fit[i], "Positif", bln);</pre>			
	55			<pre>dataSet_fit.addValue(Death_fit[i], "Kematian", bln);</pre>			
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🛄 🖨 📔 Source Packages	40	-	private CategoryDataset buildData() {		
🖃 🔜 FitriFath_171011400928	41		DefaultCategoryDataset dataSet fit = new DefaultCategoryDataset();		
···· 📄 [@] BarChart_Fitri.java	42		<pre>String[] Bulan = {"Januari", "Februari", "Maret", "April"};</pre>		_
💼 Home_Fitri.java	43		int[] ODP_fit = {20,50,125,100};		
🕀 🔠 FitriFathulilah_Pertemuan1	44		int[] PDP_fit = {10,20,100,50};		_
FitriFathulilah_Pertemuan2	45		int[] Sus_fit = {50,70,80,85};		
FitriFathulilah_Pertemuan3	46		int[] Pos_fit = {15,55,65,68};		
UAS_FitriFathulilah1710114009	47		<pre>int[] Death_fit = {5,45,60,74};</pre>		
The second	48				
Hereiter	49		<pre>for (int i=0; i<bulan.length; i++)="" pre="" {<=""></bulan.length;></pre>		
	50		<pre>String bln = String.valueOf(Bulan[i]);</pre>		
	51		<pre>dataSet_fit.addValue(ODP_fit[i], "ODP", bln);</pre>		
JavaApplication1	52		<pre>dataSet_fit.addValue(PDP_fit[i], "PDP", bln);</pre>		
Bridden Street	53		<pre>dataSet_fit.addValue(Sus_fit[i], "Suspect", bln);</pre>		
🖽 🖉 Tugas	54		<pre>dataSet_fit.addValue(Pos_fit[i], "Positif", bln);</pre>		
	55		<pre>dataSet_fit.addValue(Death_fit[i], "Kematian", bln);</pre>		
	56		}		—
	57		return dataSet_fit;		
	58	L	}		
	59	_			
	60	-	private JFreeChart buildChart(CategoryDataset dataset, String judul) {		_
	61		JFreeChart chart = ChartFactory.createBarChart("Data Kasus Virus Corona",		
	62		"Bulan", "Jumlah Kasus", dataset, Plotorientation. VERTICAL, true, true, true);		
	63		ChartFrame cf = new ChartFrame("BAR CHART", chart);		
	64		return chart;		
	65	-	3		
	60	-			
	6/		public static void main(String[] args) (
	60		uly (UIManager setLockAndFeel/UIManager setSustemLockAndFeelClassNarr());		
	09		<pre>Ofmanage1.getBookAndreet(Ofmanage1.getSystemBookAndreetClassName()); }</pre>		
	71				
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Running Program

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Hasil program ketika Bar Chart di click



Tampilan Internal Frame Grafik Bar

