

	Modul 5	
	Tugas Komponen GUI Dasar	
	IF21W0508 – Praktikum Pemrograman II	
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Kelas	D	
URL Github Repository	https://github.com/dhiaullaturua/PP2_2025_233040171_D	

Perintah Tugas:

Tambahkan aksi yang sesuai untuk setiap JButton selain SOUTH pada Latihan 4 pada modul

CPMK Terkait:

Kode	Uraian
IF21W0508-CPMK03	Mampu menerapkan keilmuan pemrograman berorientasi objek dalam solusi berbasis komputing
IF21W0508-CPMK04	Mampu mengkontruksi solusi berbasis komputing menggunakan kakas pemrograman berorientasi objek

Bagian 1. Screenshot Semua Kode

Screenshot 1: NetBeans IDE showing the code for Tugas1.java. The code creates a JFrame with a BorderLayout. It adds four JButton components to the frame's panels based on their position (SOUTH, WEST, EAST, CENTER) and adds an ActionListener to each button to change the text of a JLabel component.

```

13  /*
14   * To change this license header, choose License Headers in Project Properties.
15   * To change this template file, choose Tools | Templates
16   * and open the template in the editor.
17   */
18   package com.mycompany.pp22025_233040171;
19
20   import javax.swing.JButton;
21   import javax.swing.JFrame;
22   import javax.swing.JLabel;
23   import javax.swing.JPanel;
24   import javax.swing.border.BorderLayout;
25   import java.awt.Container;
26   import java.awt.event.ActionListener;
27   import java.awt.event.ActionEvent;
28   import java.awt.GridLayout;
29   import java.awt.Window;
2
30   /**
31    * A simple Java application demonstrating the use of BorderLayout and
32    * ActionListeners.
33    */
34   public class Tugas1 {
35       /**
36        * The main method where the application starts.
37        */
38       public static void main(String[] args) {
39           SwingUtilities.invokeLater(new Runnable() {
40               public void run() {
41                   // 1. Atur Layout Manager ke Borderlayout
42                   // (Sebenarnya tidak perlu karena BorderLayout default)
43                   JFrame frame = new JFrame("Contoh BorderLayout");
44                   frame.setSize(400, 300);
45                   frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
46
47                   // 2. Buat Komponen
48                   JPanel label = new JPanel();
49                   JButton buttonSouth = new JButton("Tombol ada di bawah (SOUTH)");
50                   JButton buttonWest = new JButton("WEST");
51                   JButton buttonEast = new JButton("EAST");
52                   JButton buttonCenter = new JButton("CENTER");
53
54                   // 3. Tambahkan aksi ActionListener ke setiap tombol
55                   buttonSouth.addActionListener(e -> {
56                       label.setText("Tombol di SOUTH diklik!");
57                   });
58
59                   buttonWest.addActionListener(e -> {
60                       label.setText("Tombol di WEST diklik!");
61                   });
62
63                   buttonEast.addActionListener(e -> {
64                       label.setText("Tombol di EAST diklik!");
65                   });
66
67                   buttonCenter.addActionListener(e -> {
68                       label.setText("Tombol di CENTER diklik!");
69                   });
70
71                   // 4. Tambahkan komponen ke frame DENGAN POSISI
72                   frame.add(label, BorderLayout.NORTH);
73                   frame.add(buttonSouth, BorderLayout.SOUTH);
74                   frame.add(buttonWest, BorderLayout.WEST);
75                   frame.add(buttonEast, BorderLayout.EAST);
76                   frame.add(buttonCenter, BorderLayout.CENTER);
77
78                   // 5. Tampilkan jendela
79                   frame.setVisible(true);
80               }
81           });
82       }
83   }

```

Screenshot 2: NetBeans IDE showing the code for Tugas1.java. The code is identical to Screenshot 1, but the output window shows a warning message: "Nothing to compile - all classes are up to date." This indicates that the code has been previously compiled and no changes are detected.

```

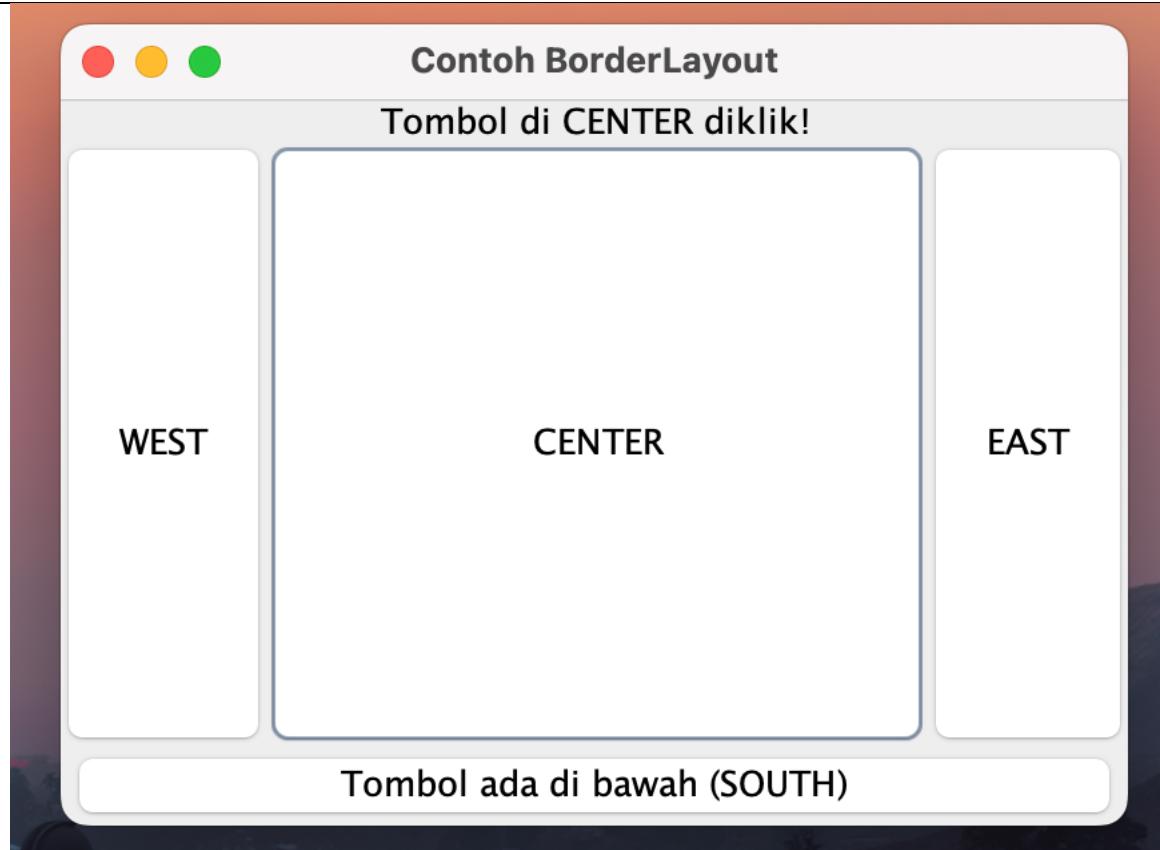
dhiaulhaqaturra - /Users/dhiaulhaqaturra
Run (Tugas1) [ jar ]
-----[ jar ]-----
resources:3.3.1:resources (default-resources) @ PP22025_233040171
skip non existing resourceDirectory /Users/dhiaulhaqaturra/NetBeansProjects/PP22025_233040171/src/main/resources
compiler:3.13.0:compile (default-compile) @ PP22025_233040171
Nothing to compile - all classes are up to date.
exec:3.1.0:exec (default-cli) @ PP22025_233040171

```

Bagian 2. Penjelasan Kode

Hanya menambahkan komponen untuk EAST, WEST dan CENTER. Dan juga tambahin SwingConstant.CENTER supaya teks dalam labelnya dia ditengah dan horizontal

Bagian 3. Hasil Running



Bagian 4. Penjelasan Hasil Running

Beginilah hasilnya Ketika di klik tombolnya langsung ada tulisannya dan tulisannya dia di center