

Latihan Pembelajaran Pertemuan 7

Nama: Siti Rohmah

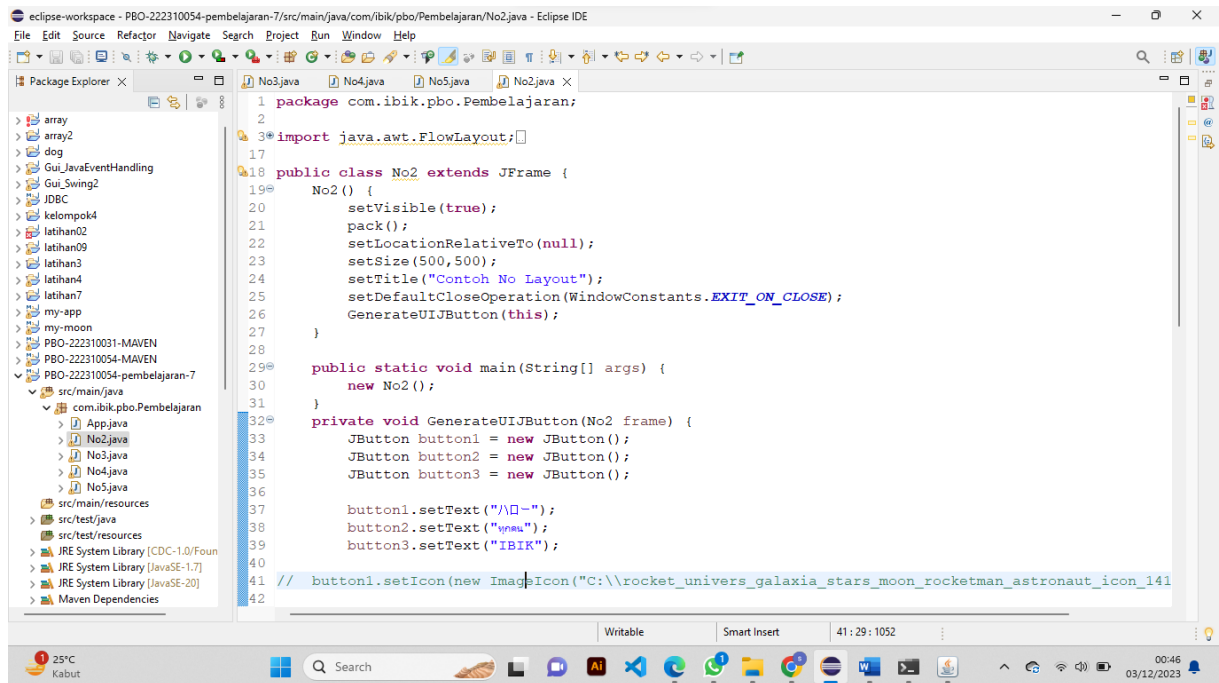
NPM: 222310054

Kelas: TI-22-PB

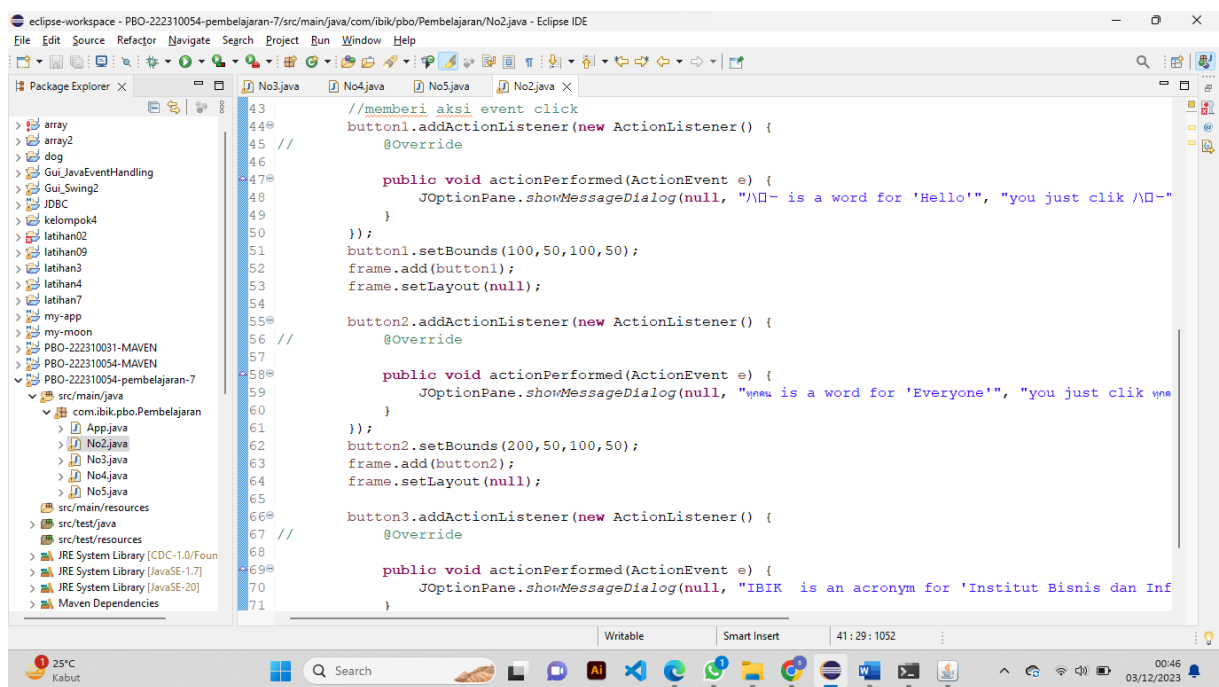
```
C:\Windows\System32\cmd.e  X  +  v

[INFO] -----[ pom ]-----
[INFO]
[INFO] >>> archetype:3.2.1:generate (default-cli) > generate-sources @ standalone-pom >>>
[INFO]
[INFO] <<< archetype:3.2.1:generate (default-cli) < generate-sources @ standalone-pom <<<
[INFO]
[INFO] --- archetype:3.2.1:generate (default-cli) @ standalone-pom ---
[INFO] Generating project in Batch mode
[INFO]
[INFO] -----
[INFO] Using following parameters for creating project from Archetype: maven-archetype-quickstart:1.4
[INFO] -----
[INFO] Parameter: groupId, Value: com.ibik.pbo.Pembelajaran
[INFO] Parameter: artifactId, Value: PBO_222310054_Pembelajaran_7
[INFO] Parameter: version, Value: 1.0-SNAPSHOT
[INFO] Parameter: package, Value: com.ibik.pbo.Pembelajaran
[INFO] Parameter: packageInPathFormat, Value: com/ibik/pbo/Pembelajaran
[INFO] Parameter: package, Value: com.ibik.pbo.Pembelajaran
[INFO] Parameter: groupId, Value: com.ibik.pbo.Pembelajaran
[INFO] Parameter: artifactId, Value: PBO_222310054_Pembelajaran_7
[INFO] Parameter: version, Value: 1.0-SNAPSHOT
[INFO] Project created from Archetype in dir: C:\PBO_222310054_Pembelajaran_7
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 14.248 s
[INFO] Finished at: 2023-12-03T00:42:46+07:00
[INFO] -----
```

No2

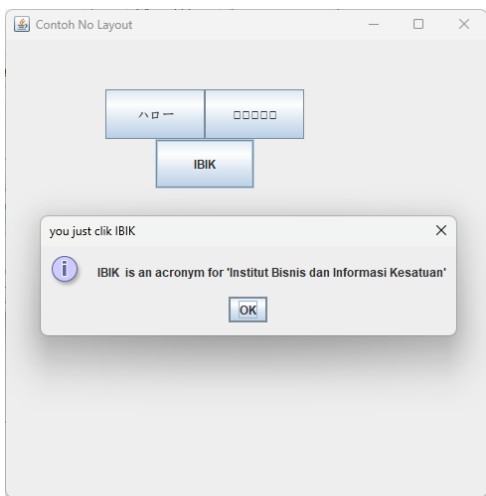
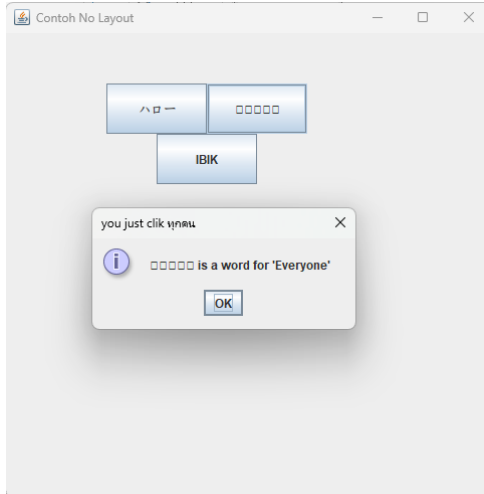
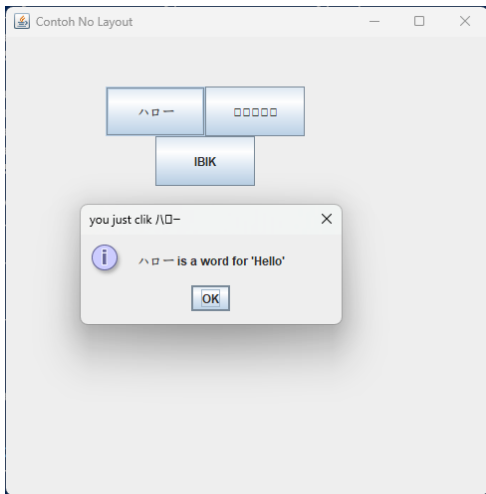


```
1 package com.ibik.pbo.Pembelajaran;
2
3 import java.awt.FlowLayout;
4
5 public class No2 extends JFrame {
6     No2() {
7         setVisible(true);
8         pack();
9         setLocationRelativeTo(null);
10        setSize(500,500);
11        setTitle("Contoh No Layout");
12        setDefaultCloseOperation(WindowConstants.EXIT_ON_CLOSE);
13        GenerateUIJButton(this);
14    }
15
16    public static void main(String[] args) {
17        new No2();
18    }
19
20    private void GenerateUIJButton(No2 frame) {
21        JButton button1 = new JButton();
22        JButton button2 = new JButton();
23        JButton button3 = new JButton();
24
25        button1.setText("/\\-");
26        button2.setText("ynnu");
27        button3.setText("IBIK");
28
29        // button1.setIcon(new ImageIcon("C:\\rocket_univers_galaxia_stars_moon_rocketman_astronaut_icon_141
30    }
31
32 }
```

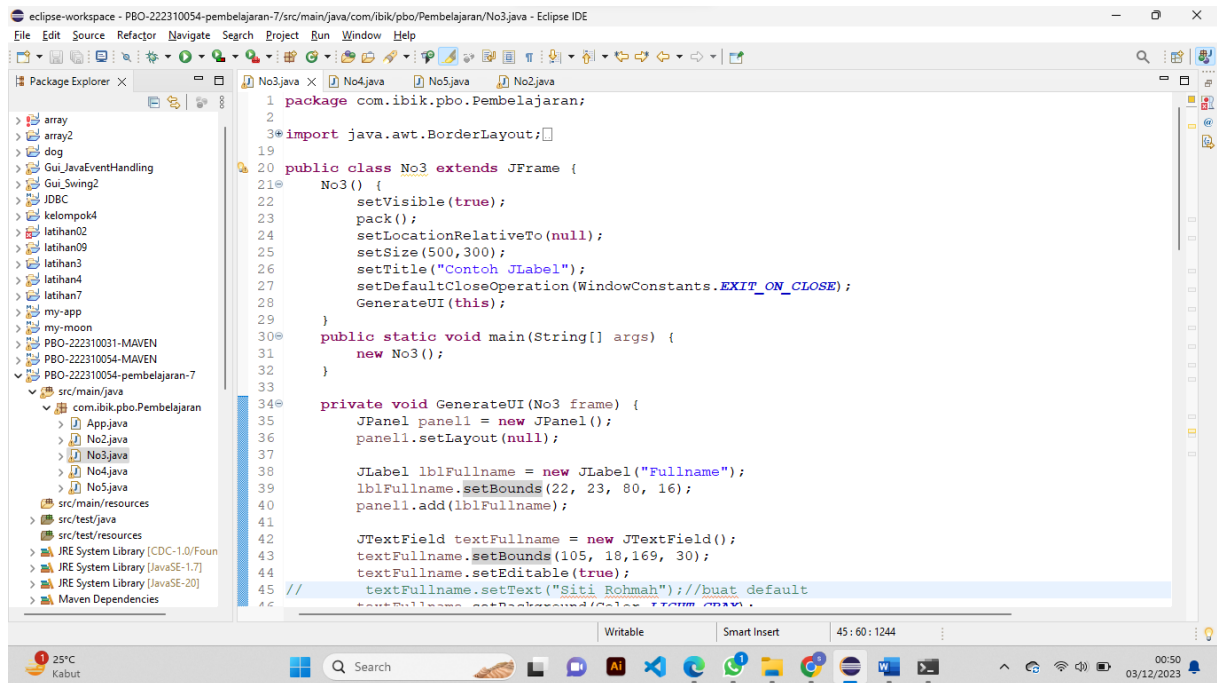


```
43 //memberi aksi event click
44 button1.addActionListener(new ActionListener() {
45     //
46     @Override
47     public void actionPerformed(ActionEvent e) {
48         JOptionPane.showMessageDialog(null, "/\\- is a word for 'Hello'", "you just klik /\\-");
49     }
50 });
51 button1.setBounds(100,50,100,50);
52 frame.add(button1);
53 frame.setLayout(null);
54
55 button2.addActionListener(new ActionListener() {
56     //
57     @Override
58     public void actionPerformed(ActionEvent e) {
59         JOptionPane.showMessageDialog(null, "ynnu is a word for 'Everyone'", "you just klik ynnu");
60     }
61 });
62 button2.setBounds(200,50,100,50);
63 frame.add(button2);
64 frame.setLayout(null);
65
66 button3.addActionListener(new ActionListener() {
67     //
68     @Override
69     public void actionPerformed(ActionEvent e) {
70         JOptionPane.showMessageDialog(null, "IBIK is an acronym for 'Institut Bisnis dan Inf");
71     }
72 }
```

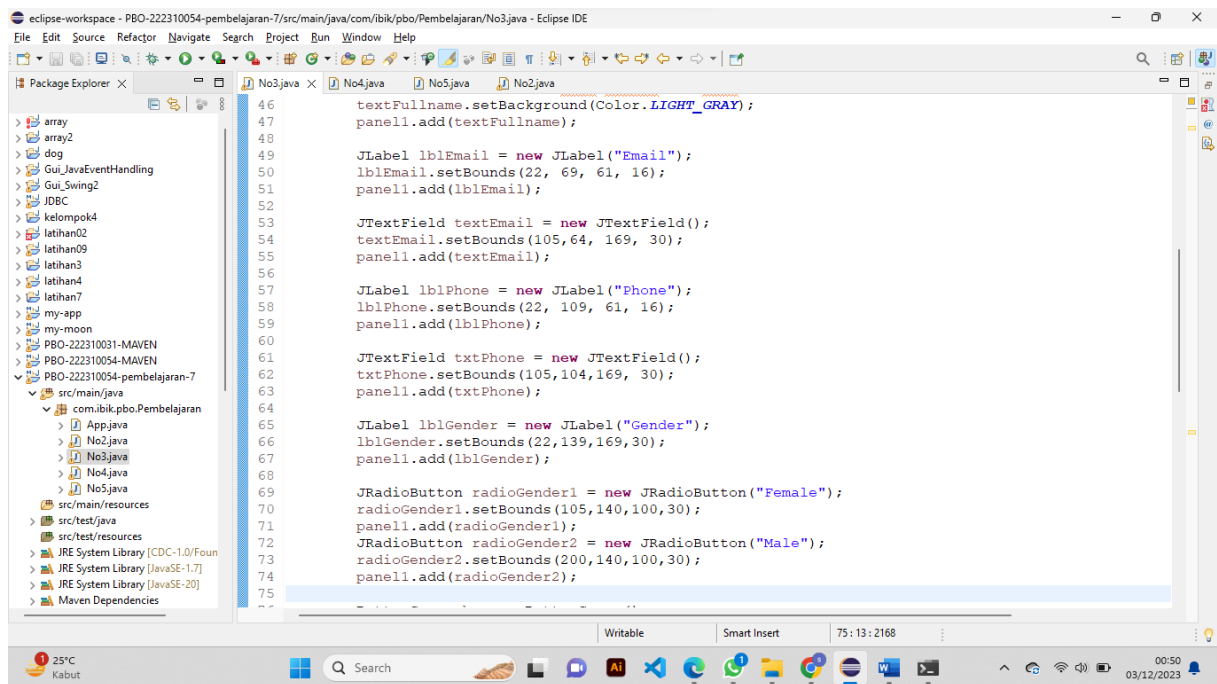
```
C:\PBO-222310054-pembelajaran-7>mvn exec:java -Dexec.mainClass="com.ibik.pbo.Pembelajaran.No2"
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.ibik.pbo.Pembelajaran:PBO-222310054-pembelajaran-7 >-----
[INFO] Building PBO-222310054-pembelajaran-7 1.0-SNAPSHOT
[INFO] from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- exec:3.1.0:java (default-cli) @ PBO-222310054-pembelajaran-7 ---
```



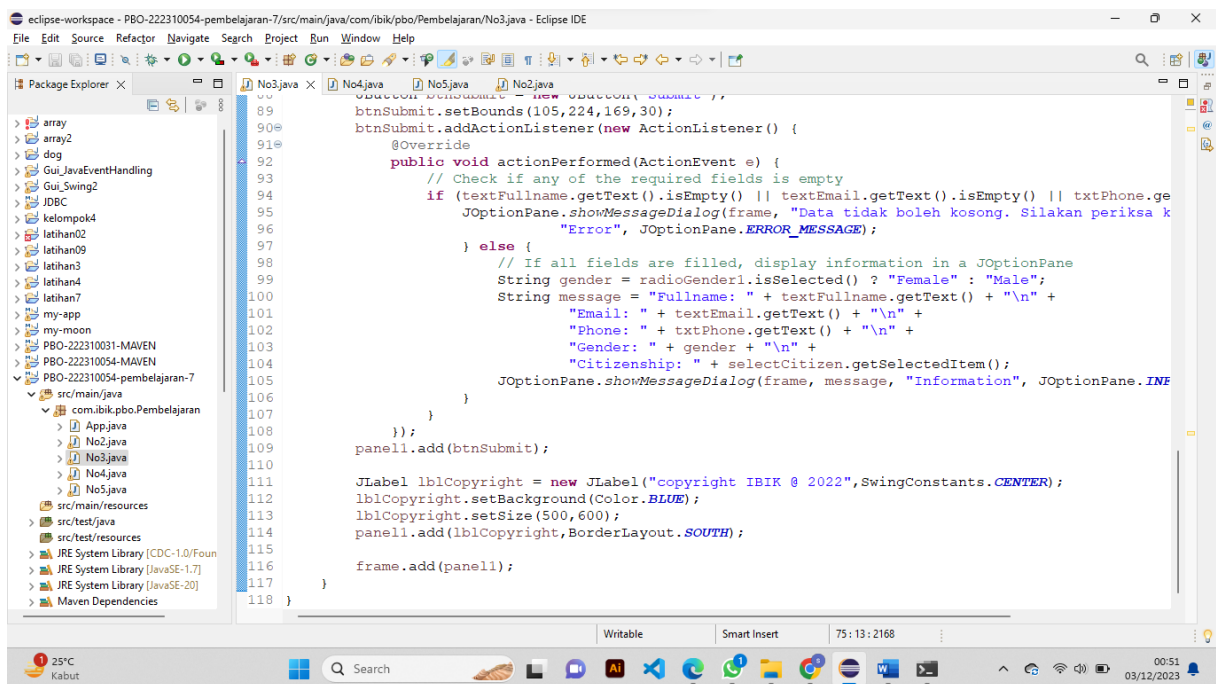
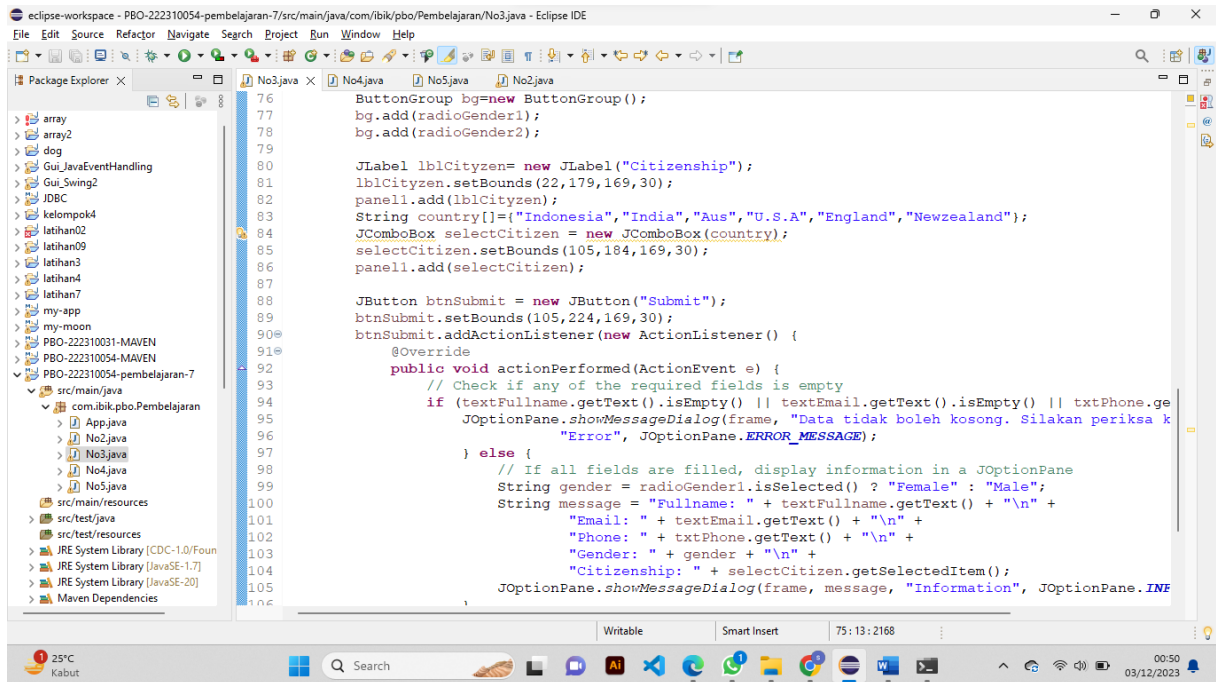
No3



```
1 package com.ibik.pbo.Pembelajaran;
2
3 import java.awt.BorderLayout;
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20 public class No3 extends JFrame {
21     No3() {
22         setVisible(true);
23         pack();
24         setLocationRelativeTo(null);
25         setSize(500,300);
26         setTitle("Contoh JLabel");
27         setDefaultCloseOperation(WindowConstants.EXIT_ON_CLOSE);
28         GenerateUI(this);
29     }
30     public static void main(String[] args) {
31         new No3();
32     }
33
34     private void GenerateUI(No3 frame) {
35         JPanel panell = new JPanel();
36         panell.setLayout(null);
37
38         JLabel lblFullname = new JLabel("Fullname");
39         lblFullname.setBounds(22, 23, 80, 16);
40         panell.add(lblFullname);
41
42         JTextField textFullname = new JTextField();
43         textFullname.setBounds(105, 18,169, 30);
44         textFullname.setEditable(true);
45         // textFullname.setText("Siti Rohmah");//buat default
46         textFullname.setBackground(Color.LIGHT_GRAY);
47         panell.add(textFullname);
48
49         JLabel lblEmail = new JLabel("Email");
50         lblEmail.setBounds(22, 69, 61, 16);
51         panell.add(lblEmail);
52
53         JTextField textEmail = new JTextField();
54         textEmail.setBounds(105,64, 169, 30);
55         panell.add(textEmail);
56
57         JLabel lblPhone = new JLabel("Phone");
58         lblPhone.setBounds(22, 109, 61, 16);
59         panell.add(lblPhone);
60
61         JTextField txtPhone = new JTextField();
62         txtPhone.setBounds(105,104,169, 30);
63         panell.add(txtPhone);
64
65         JLabel lblGender = new JLabel("Gender");
66         lblGender.setBounds(22,139,169,30);
67         panell.add(lblGender);
68
69         JRadioButton radioGender1 = new JRadioButton("Female");
70         radioGender1.setBounds(105,140,100,30);
71         panell.add(radioGender1);
72         JRadioButton radioGender2 = new JRadioButton("Male");
73         radioGender2.setBounds(200,140,100,30);
74         panell.add(radioGender2);
75     }
76 }
```



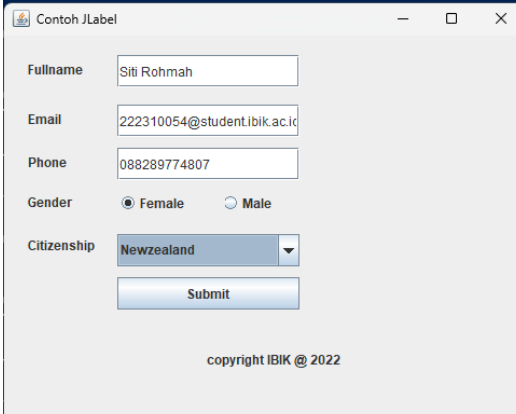
```
46 textFullname.setBackground(Color.LIGHT_GRAY);
47 panell.add(textFullname);
48
49 JLabel lblEmail = new JLabel("Email");
50 lblEmail.setBounds(22, 69, 61, 16);
51 panell.add(lblEmail);
52
53 JTextField textEmail = new JTextField();
54 textEmail.setBounds(105,64, 169, 30);
55 panell.add(textEmail);
56
57 JLabel lblPhone = new JLabel("Phone");
58 lblPhone.setBounds(22, 109, 61, 16);
59 panell.add(lblPhone);
60
61 JTextField txtPhone = new JTextField();
62 txtPhone.setBounds(105,104,169, 30);
63 panell.add(txtPhone);
64
65 JLabel lblGender = new JLabel("Gender");
66 lblGender.setBounds(22,139,169,30);
67 panell.add(lblGender);
68
69 JRadioButton radioGender1 = new JRadioButton("Female");
70 radioGender1.setBounds(105,140,100,30);
71 panell.add(radioGender1);
72 JRadioButton radioGender2 = new JRadioButton("Male");
73 radioGender2.setBounds(200,140,100,30);
74 panell.add(radioGender2);
75 }
```



```

C:\PBO-222310054-pembelajaran-7>mvn exec:java -Dexec.mainClass="com.ibik.pbo.Pembelajaran.No3"
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.ibik.pbo.Pembelajaran:PBO-222310054-pembelajaran-7 >-----
[INFO] Building PBO-222310054-pembelajaran-7 1.0-SNAPSHOT
[INFO]    from pom.xml
[INFO]
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- exec:3.1.0:java (default-cli) @ PBO-222310054-pembelajaran-7 ---

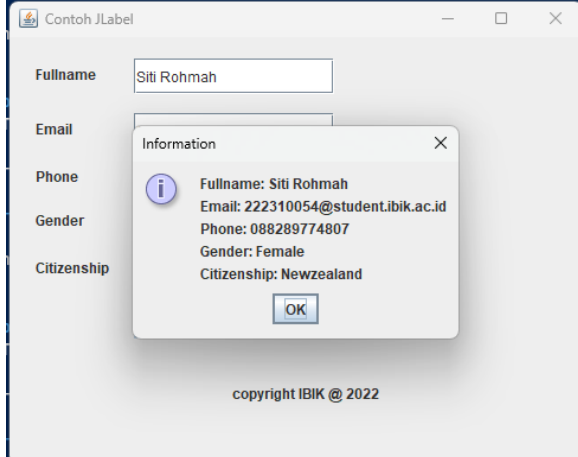
```



The screenshot shows a Java Swing window titled "Contoh JLabel". It contains a form with the following fields and controls:

- Fullname:** A text input field containing "Siti Rohmah".
- Email:** A text input field containing "222310054@student.ibik.ac.id".
- Phone:** A text input field containing "088289774807".
- Gender:** Two radio buttons, "Female" (selected) and "Male".
- Citizenship:** A dropdown menu showing "Newzealand".
- Submit:** A button at the bottom of the form.

At the bottom of the window, the text "copyright IBIK @ 2022" is displayed.

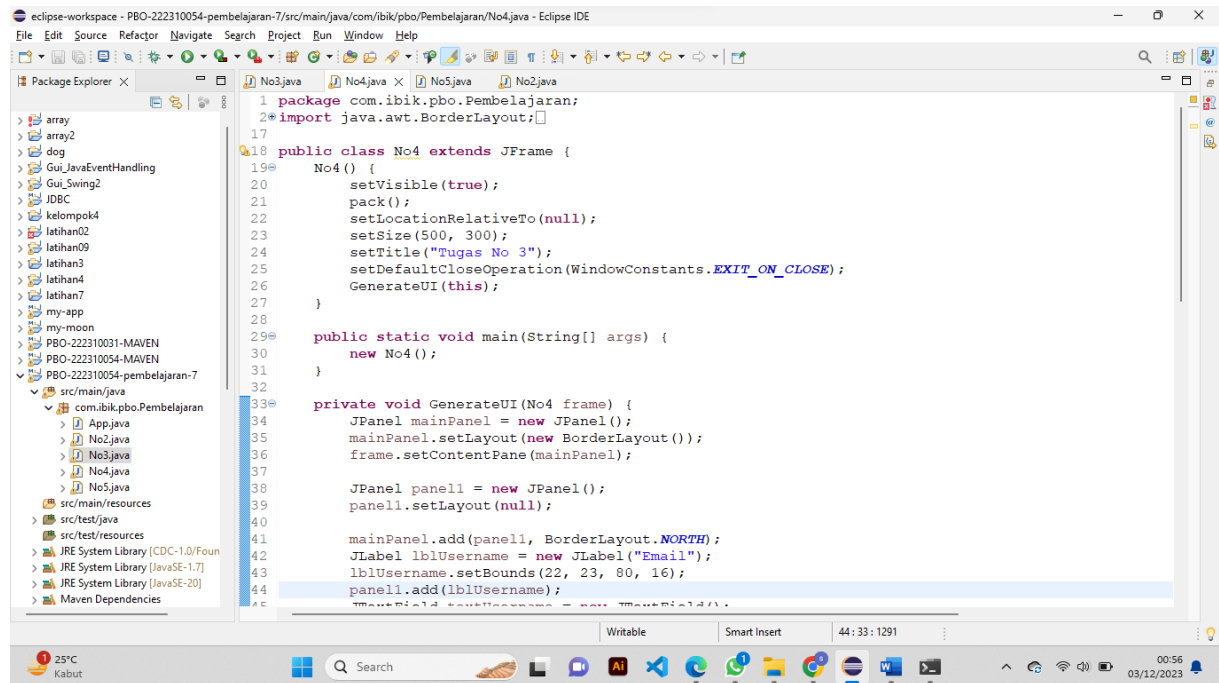


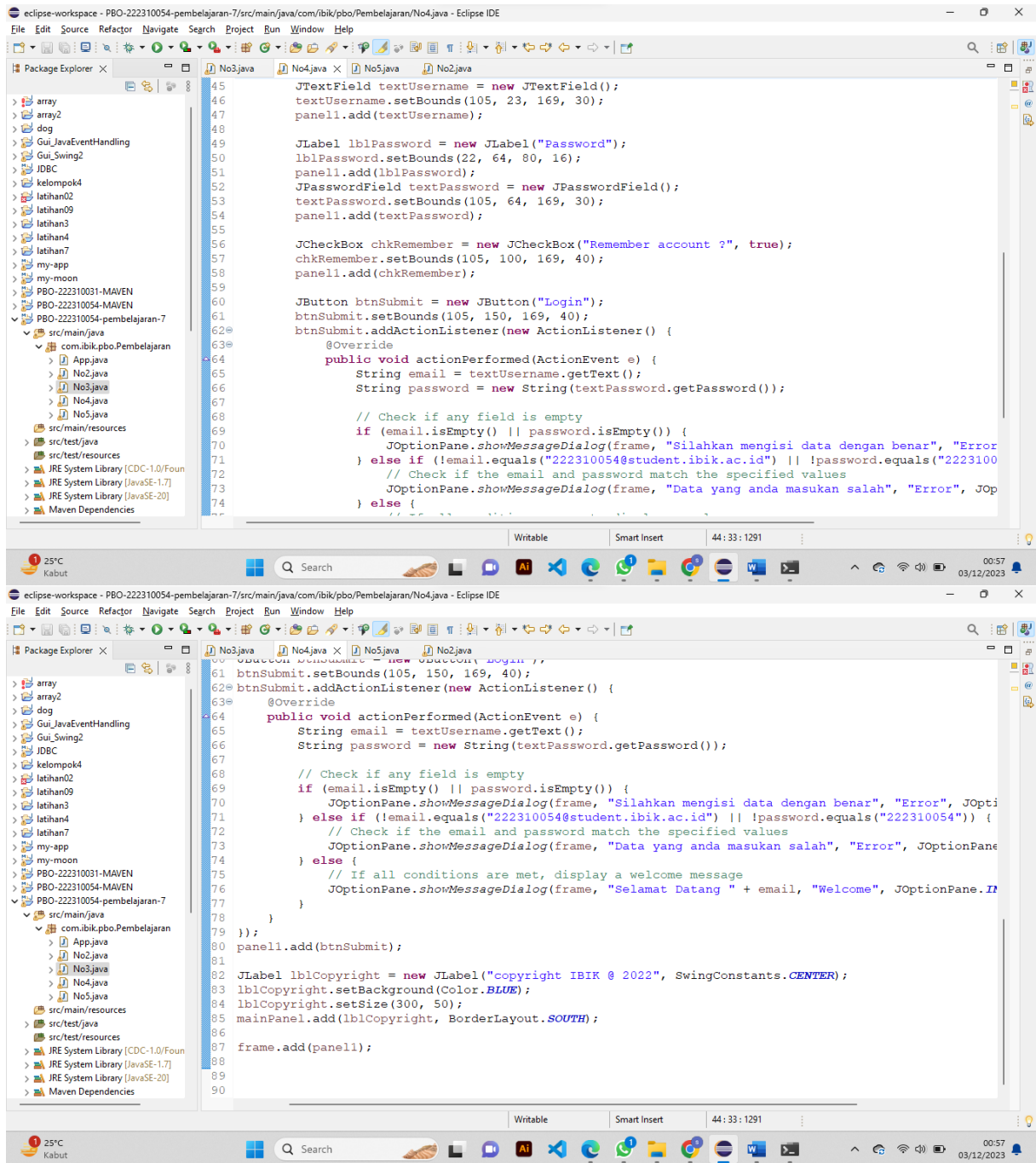
This screenshot shows the same "Contoh JLabel" application window, but with an "Information" dialog box open over it. The dialog box contains the following information:

- Fullname:** Siti Rohmah
- Email:** 222310054@student.Ibik.ac.id
- Phone:** 088289774807
- Gender:** Female
- Citizenship:** Newzealand

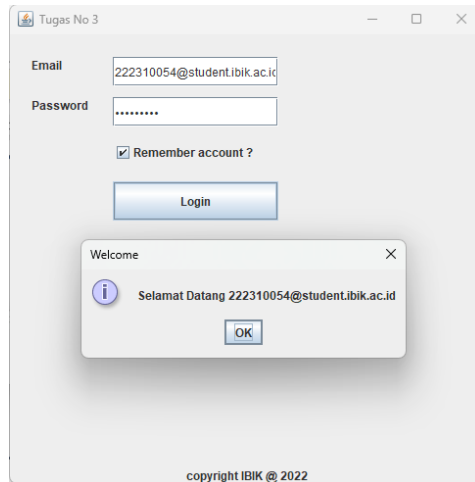
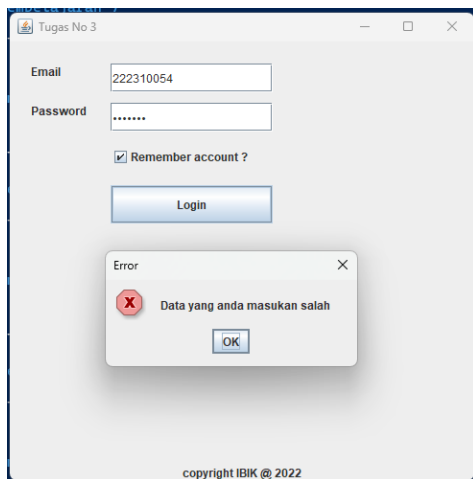
An "OK" button is located at the bottom of the dialog box. The background application window is partially visible behind the dialog.

No4





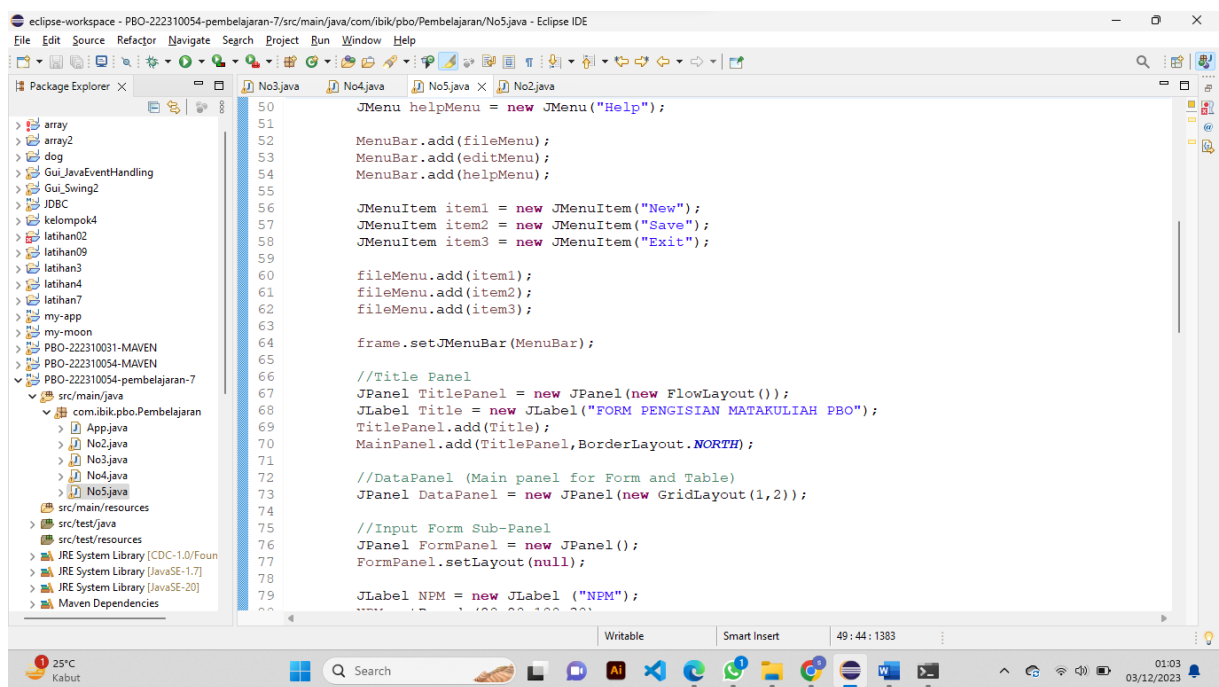
```
C:\PBO-222310054-pembelajaran-7>mvn exec:java -Dexec.mainClass="com.ibik.pbo.Pembelajaran.No4"
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.ibik.pbo.Pembelajaran:PBO-222310054-pembelajaran-7 >-----
[INFO] Building PBO-222310054-pembelajaran-7 1.0-SNAPSHOT
[INFO] from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- exec:3.1.0:java (default-cli) @ PBO-222310054-pembelajaran-7 ---
```

The screenshot shows the Eclipse IDE interface. On the left, the Package Explorer displays the project structure for 'PBO-222310054-pembelajaran-7'. The main editor window shows the source code for 'No5.java' in the 'com.ibik.pbo.Pembelajaran' package. The code defines a class 'No5' with static variables for 'getNPM', 'getNama', and 'NilaiGroup', and a 'main' method that creates a 'JFrame' window titled 'Latihan 04' with a 'JPanel' containing a 'JMenuBar' with 'File', 'Edit', and 'Help' menus.

```

1 package com.ibik.pbo.Pembelajaran;
2
3 import java.awt.BorderLayout;
4
5 public class No5 {
6
7     private static JTextField getNPM;
8     private static JTextField getNama;
9     private static ButtonGroup NilaiGroup;
10
11     public static void main(String args[]) {
12         JFrame frame = new JFrame();
13         frame.setVisible(true);
14         frame.pack();
15         frame.setLocationRelativeTo(null);
16         frame.setSize(300, 300);
17         frame.setTitle("Latihan 04");
18         frame.setDefaultLookAndFeelDecorated(WindowConstants.EXIT_ON_CLOSE);
19
20         //Data or Information Variables
21         String [][]Informasi = {};
22         String [] Column = {"NPM", "Nama", "Score"};
23
24         //Main Panel
25         JPanel MainPanel = new JPanel(new BorderLayout());
26
27         //Menu Bar
28         JMenuBar MenuBar = new JMenuBar();
29
30         JMenu fileMenu = new JMenu("File");
31         JMenu editMenu = new JMenu("Edit");
32         JMenu helpMenu = new JMenu("Help");
    
```



eclipse-workspace - PBO-222310054-pembelajaran-7/src/main/java/com/ibik/pbo/Pembelajaran/No5.java - Eclipse IDE

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

Package Explorer

- array
- array2
- dog
- Gui_JavaEventHandling
- Gui_Swing2
- JDBC
- kelompok4
- latihan02
- latihan09
- latihan3
- latihan4
- latihan7
- my-app
- my-moon
- PBO-222310031-MAVEN
- PBO-222310054-MAVEN
- PBO-222310054-pembelajaran-7
 - src/main/java
 - com.ibik.pbo.Pembelajaran
 - App.java
 - No2.java
 - No3.java
 - No4.java
 - No5.java
 - src/main/resources
 - src/test/java
 - src/test/resources
 - JRE System Library [CDC-1.0/Foundation 1.7]
 - JRE System Library [JavaSE-1.7]
 - JRE System Library [JavaSE-20]
 - Maven Dependencies

```
79 JLabel NPM = new JLabel ("NPM");
80 NPM.setBounds(20,20,100,30);
81 getNPM = new JTextField();
82 getNPM.setBounds(20,50,350,30);
83
84 JLabel Nama = new JLabel ("Nama");
85 Nama.setBounds(20,100,100,30);
86 getNama = new JTextField();
87 getNama.setBounds(20,130,350,30);
88
89 //Radio Buttons for "Nilai"
90 JLabel Nilai = new JLabel ("Nilai");
91 Nilai.setBounds(20,180,100,30);
92 JRadioButton NilaiA = new JRadioButton("A");
93 NilaiA.setBounds(20,210,50,30);
94 JRadioButton NilaiB = new JRadioButton("B");
95 NilaiB.setBounds(80,210,50,30);
96 JRadioButton NilaiC = new JRadioButton("C");
97 NilaiC.setBounds(140,210,50,30);
98 JRadioButton NilaiD = new JRadioButton("D");
99 NilaiD.setBounds(200,210,50,30);
100 JRadioButton NilaiE = new JRadioButton("E");
101 NilaiE.setBounds(260,210,50,30);
102 JRadioButton NilaiF = new JRadioButton("F");
103 NilaiF.setBounds(320,210,50,30);
104 ButtonGroup NilaiGroup = new ButtonGroup();
105 NilaiGroup.add(NilaiA);
106 NilaiGroup.add(NilaiB);
107 NilaiGroup.add(NilaiC);
108 NilaiGroup.add(NilaiD);
```

Writable Smart Insert 49:44:1383

25°C Kabut 01:03 03/12/2023

eclipse-workspace - PBO-222310054-pembelajaran-7/src/main/java/com/ibik/pbo/Pembelajaran/No5.java - Eclipse IDE

```
File Edit Source Refactor Navigate Search Project Run Window Help
```

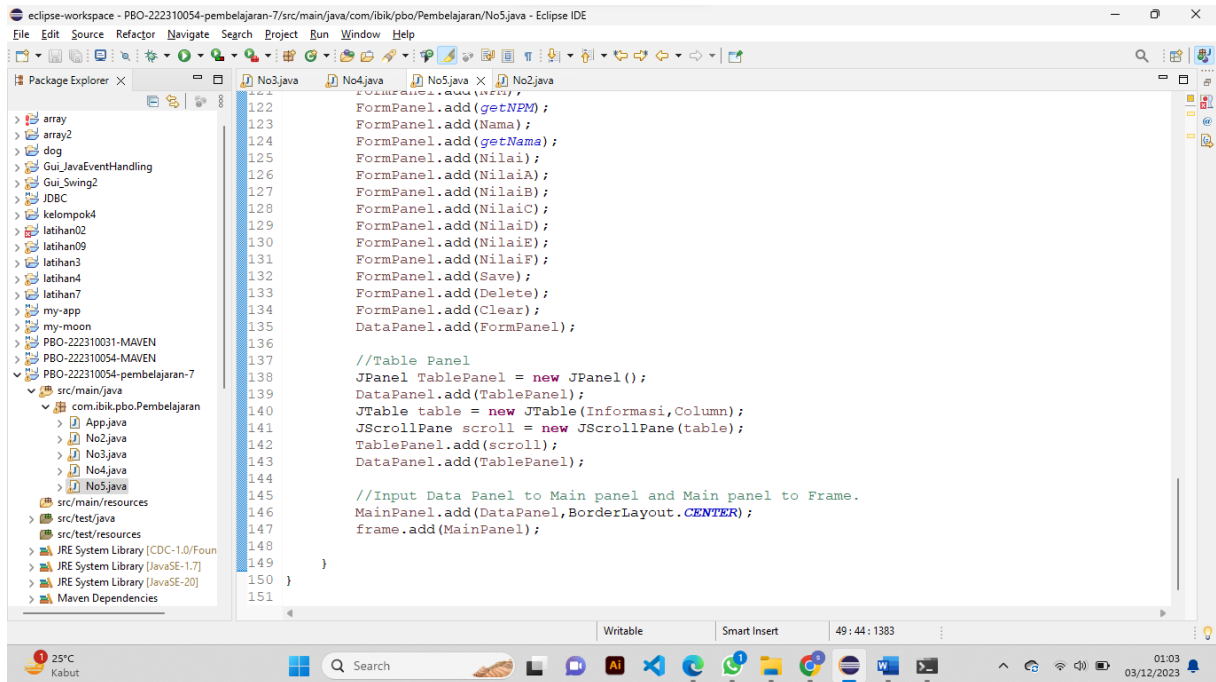
Package Explorer

- array
- array2
- dog
- Gui_JavaEventHandling
- Gui_Swing2
- JDBC
- kelompok4
- latihan02
- latihan09
- latihan3
- latihan4
- latihan7
- my-app
- my-moon
- PBO-222310031-MAVEN
- PBO-222310054-MAVEN
- PBO-222310054-pembelajaran-7
 - src/main/java
 - com.ibik.pbo.Pembelajaran
 - App.java
 - No2.java
 - No3.java
 - No4.java
 - No5.java
 - src/main/resources
 - src/test/java
 - src/test/resources
 - JRE System Library [CDC-1.0/Foundation 1.7]
 - JRE System Library [JavaSE-1.7]
 - JRE System Library [JavaSE-20]
 - Maven Dependencies

```
110 NilaiGroup.add(NilaiF);
111
112 //Creat Buttons for save, delete, and clear
113 JButton Save = new JButton("Save");
114 Save.setBounds(20,260,110,50);
115 JButton Delete = new JButton("Delete");
116 Delete.setBounds(140,260,110,50);
117 JButton Clear = new JButton("Clear");
118 Clear.setBounds(260,260,110,50);
119
120 //Add all element for Form into FormPanel
121 FormPanel.add(NPM);
122 FormPanel.add(getNPM);
123 FormPanel.add(Nama);
124 FormPanel.add(getNama);
125 FormPanel.add(Nilai);
126 FormPanel.add(NilaiA);
127 FormPanel.add(NilaiB);
128 FormPanel.add(NilaiC);
129 FormPanel.add(NilaiD);
130 FormPanel.add(NilaiE);
131 FormPanel.add(NilaiF);
132 FormPanel.add(Save);
133 FormPanel.add(Delete);
134 FormPanel.add(Clear);
135 DataPanel.add(FormPanel);
136
137 //Table Panel
138 JPanel TablePanel = new JPanel();
139 DataPanel.add(TablePanel);
```

Writable Smart Insert 49:44:1383

25°C Kabut 01:03 03/12/2023



Latihan 04

File Edit Help

New
Save
Exit

FORM PENGISIAN MATAKULIAH PBO

NPM	Nama	Score
222310054	Siti Rohmah	

Nama

Siti Rohmah

Nilai

☒ A ☐ B ☐ C ☐ D ☐ E ☐ F

Save Delete Clear