

Nama : Mahesa Alghifari

Kelas : 212310006

Kelas : 21 – TI – PA2

Source code **Biodata.java**

```
import javax.swing.JOptionPane;

public class Biodata {

    private String fullName, alamat;
    private int usia;

    void setData(String valNama, int valUsia, String valAlamat) {
        fullName = valNama;
        usia = valUsia;
        alamat = valAlamat;
    }

    void getData() {
        String output = "Biodata " + fullName + "\n\n"
            + "Nama : " + fullName + "\n"
            + "Usia : " + usia + "\n"
            + "Alamat : " + alamat + "\n";

        JOptionPane.showMessageDialog(null, output, "Data Biodata",
JOptionPane.INFORMATION_MESSAGE);
    }
}
```

Source code **Latihan02**

```
import javax.swing.JOptionPane;

public class Latihan02 {

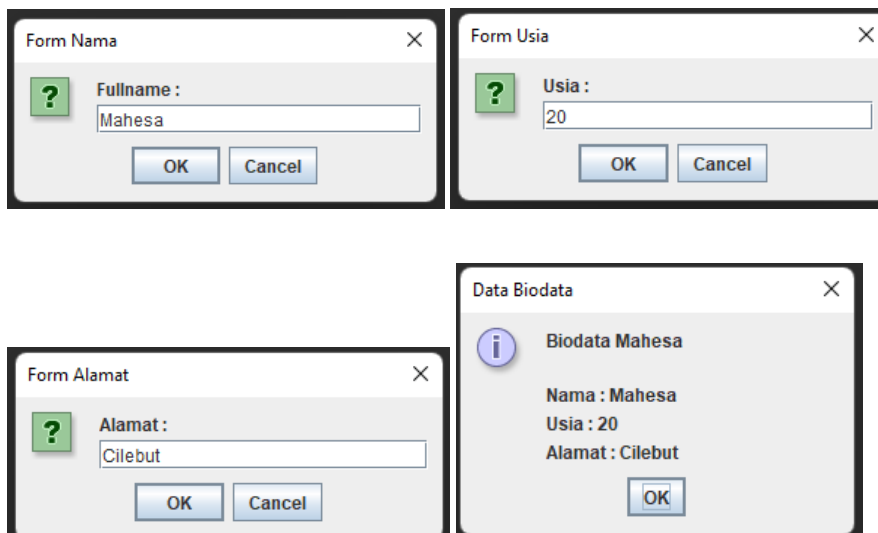
    public static void main(String[] args) {
        Biodata bio = new Biodata();

        String nama = JOptionPane.showInputDialog(null, "Fullname : ", "Form Nama",
JOptionPane.QUESTION_MESSAGE);
        String usia = JOptionPane.showInputDialog(null, "Usia : ", "Form Usia",
JOptionPane.QUESTION_MESSAGE);
        String alamat = JOptionPane.showInputDialog(null, "Alamat : ", "Form Alamat",
JOptionPane.QUESTION_MESSAGE);

        int pUsia = Integer.parseInt(usia);

        bio.setData(nama, pUsia, alamat);
        bio.getData();
    }
}
```

Hasil Program



Source code **Latihan03**

```
import javax.swing.JOptionPane;

public class Latihan03 {

    public static void main(String[] args) {
        Biodata bio = new Biodata();

        final String WARN = "PERINGATAN!";

        String nama = JOptionPane.showInputDialog(null, "Fullname : ", "Form Nama",
JOptionPane.QUESTION_MESSAGE);

        if(nama.isEmpty()) {
            JOptionPane.showMessageDialog(null, "Field Form Nama tidak boleh kosong!",
WARN, JOptionPane.WARNING_MESSAGE);
            System.exit(0);
        }

        String usia = JOptionPane.showInputDialog(null, "Usia : ", "Form Usia",
JOptionPane.QUESTION_MESSAGE);
        final String REG_NUMERIK = "[0-9]+";

        if(usia.isEmpty()) {
            JOptionPane.showMessageDialog(null, "Field Form Usia tidak boleh kosong!", WARN,
JOptionPane.WARNING_MESSAGE);
        } else if(!usia.matches(REG_NUMERIK)) {
            JOptionPane.showMessageDialog(null, "Isian Form Usia harus numerik!",
WARN, JOptionPane.WARNING_MESSAGE);
        }

        String alamat = JOptionPane.showInputDialog(null, "Alamat : ", "Form Alamat",
JOptionPane.QUESTION_MESSAGE);

        if(alamat.isEmpty()) {
```

```

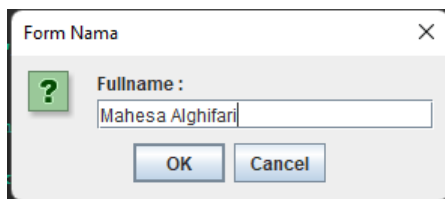
JOptionPane.showMessageDialog(null, "Field Form Alamat tidak boleh kosong!",
WARN, JOptionPane.WARNING_MESSAGE);
    } else if(alamat.length() < 10) {
        JOptionPane.showMessageDialog(null, "Masukkan alamat minimum 10
karakter!", WARN, JOptionPane.WARNING_MESSAGE);
    }

    int pUsia = Integer.parseInt(usia);

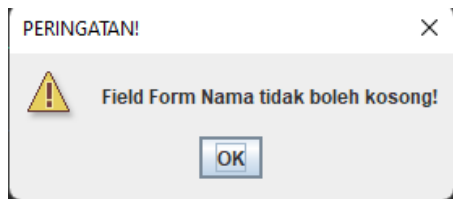
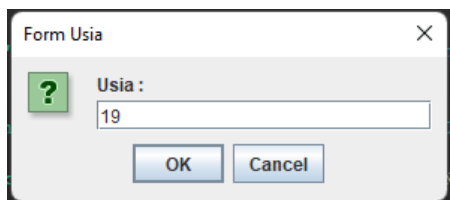
    bio.setData(nama, pUsia, alamat);
    bio.getData();
}
}

```

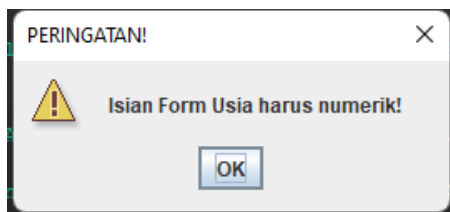
Hasil Program

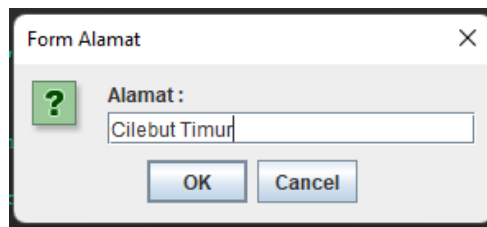


jika memiliki nilai kosong maka

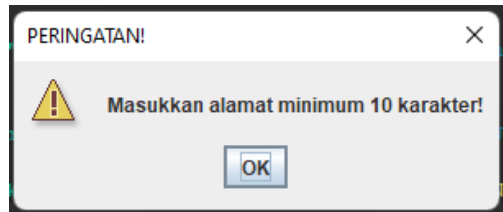
Jika nilai bukan numerik maka



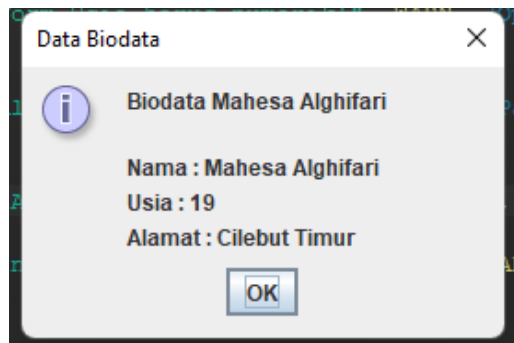


A dialog box titled "Form Alamat" with a close button (X) in the top right corner. On the left, there is a green square icon containing a white question mark. To the right of the icon, the label "Alamat :" is followed by a text input field containing the text "Cilebut Timur". Below the input field are two buttons: "OK" and "Cancel".

jika value yang diisi tidak memiliki nilai minimum batas character sebanyak 10, maka



A dialog box titled "PERINGATAN!" with a close button (X) in the top right corner. On the left, there is a yellow triangular warning icon. To the right of the icon, the text "Masukkan alamat minimum 10 karakter!" is displayed. Below the text is a single "OK" button.



A dialog box titled "Data Biodata" with a close button (X) in the top right corner. On the left, there is a blue circular information icon. To the right of the icon, the text "Biodata Mahesa Alghifari" is displayed. Below this, the following details are listed: "Nama : Mahesa Alghifari", "Usia : 19", and "Alamat : Cilebut Timur". At the bottom of the dialog is a single "OK" button.

Source code **Latihan04**

```
import javax.swing.JOptionPane;

public class Latihan04 {

    public static void main(String[] args) {
        Biodata bio = new Biodata();

        final String WARN = "PERINGATAN!";
        boolean isLanjut = true;

        while(isLanjut) {
            String nama = JOptionPane.showInputDialog(null, "Fullname : ", "Form Nama",
JOptionPane.QUESTION_MESSAGE);

            if(nama.isEmpty()) {
                JOptionPane.showMessageDialog(null, "Field Form Nama tidak boleh
kosong!", WARN, JOptionPane.WARNING_MESSAGE);
                System.exit(0);
            }

            String usia = JOptionPane.showInputDialog(null, "Usia : ", "Form Usia",
JOptionPane.QUESTION_MESSAGE);
            final String REG_NUMERIK = "[0-9]+";

            if(usia.isEmpty()) {
                JOptionPane.showMessageDialog(null, "Field Form Usia tidak boleh kosong!",
WARN, JOptionPane.WARNING_MESSAGE);
            } else if(!usia.matches(REG_NUMERIK)) {
                JOptionPane.showMessageDialog(null, "Isian Form Usia harus
numerik!", WARN, JOptionPane.WARNING_MESSAGE);
                System.exit(0);
            }

            String alamat = JOptionPane.showInputDialog(null, "Alamat : ", "Form Alamat",
JOptionPane.QUESTION_MESSAGE);
```

```

        if(alamat.isEmpty()) {
            JOptionPane.showMessageDialog(null, "Field Form Alamat tidak boleh
kosong!", WARN, JOptionPane.WARNING_MESSAGE);
        } else if(alamat.length() < 10) {
            JOptionPane.showMessageDialog(null, "Masukkan alamat minimum
10 karakter!", WARN, JOptionPane.WARNING_MESSAGE);
        }

        int pUsia = Integer.parseInt(usia);

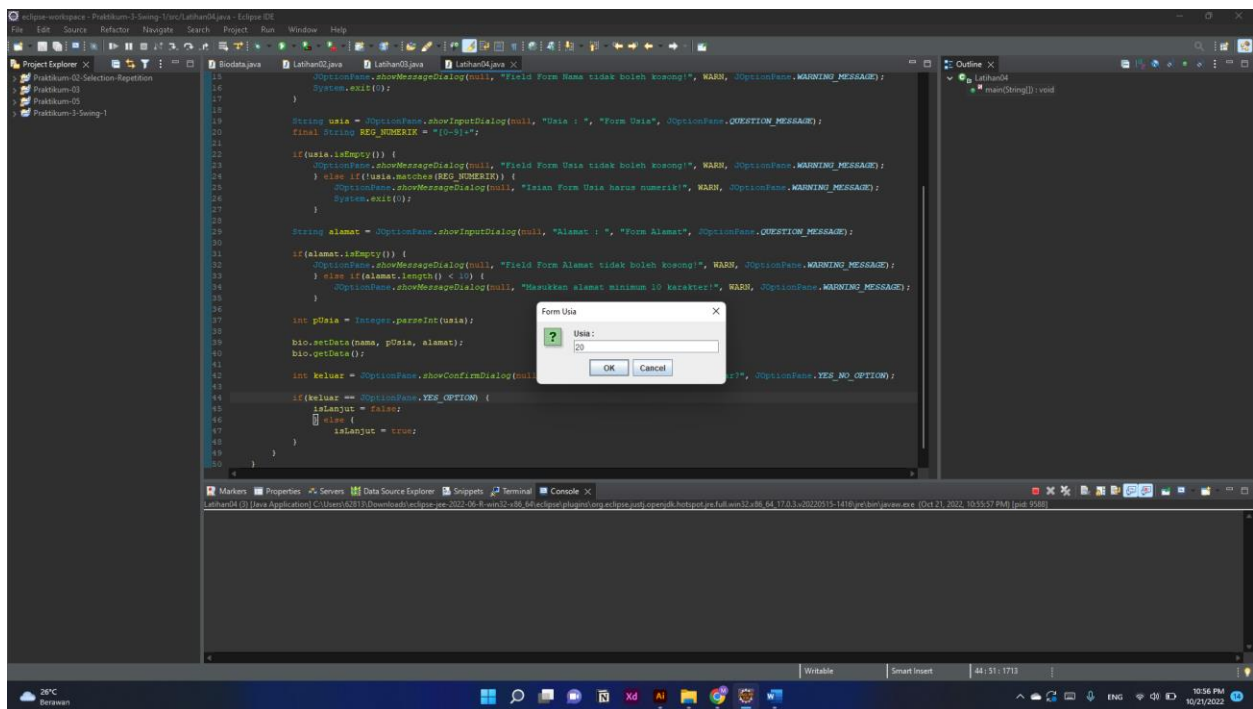
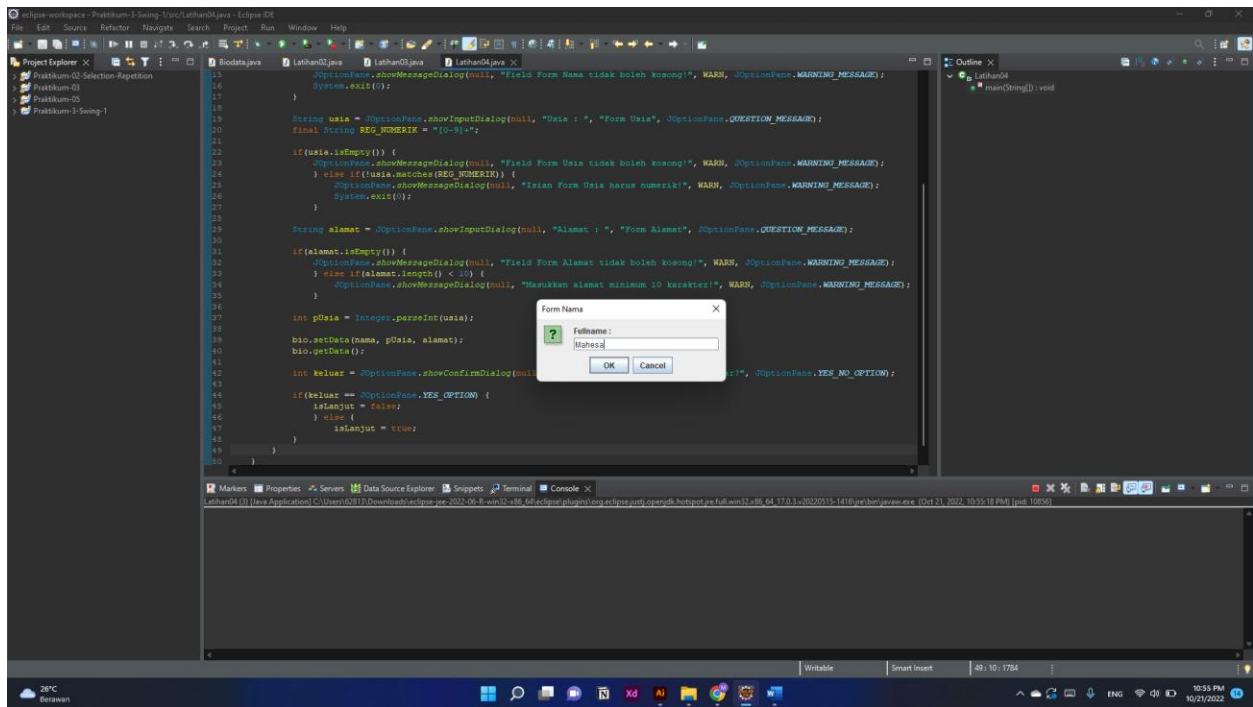
        bio.setData(nama, pUsia, alamat);
        bio.getData();

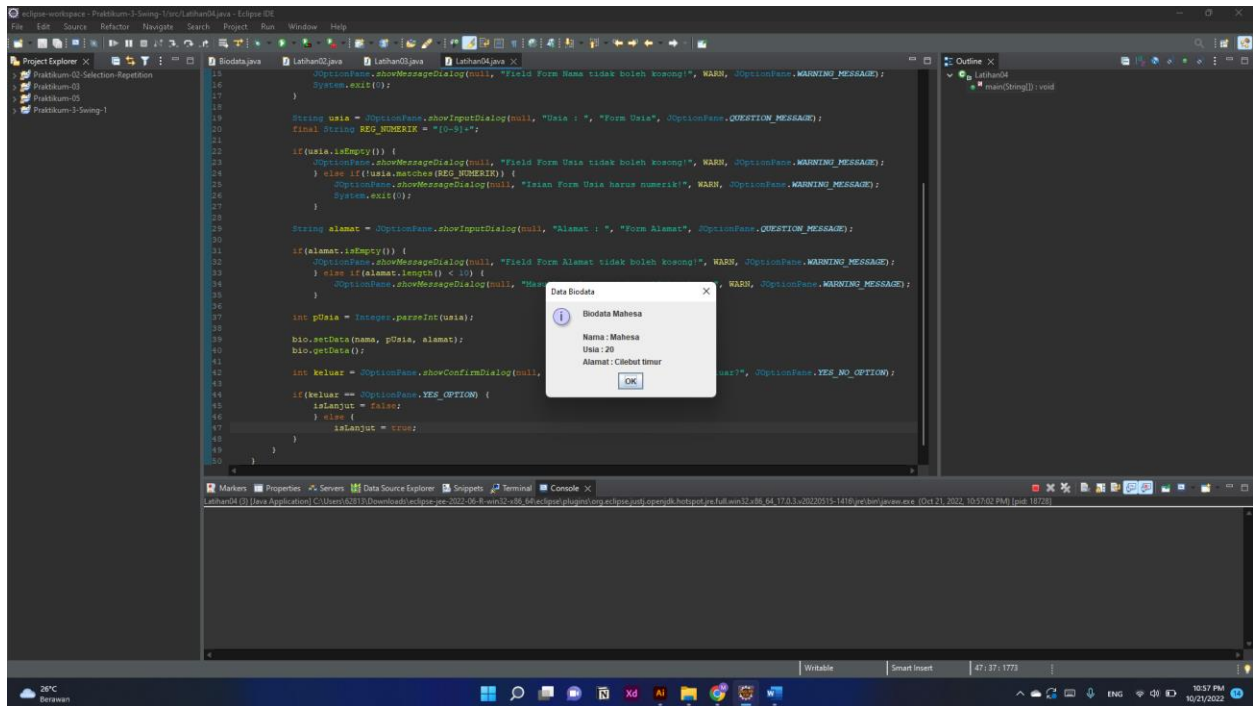
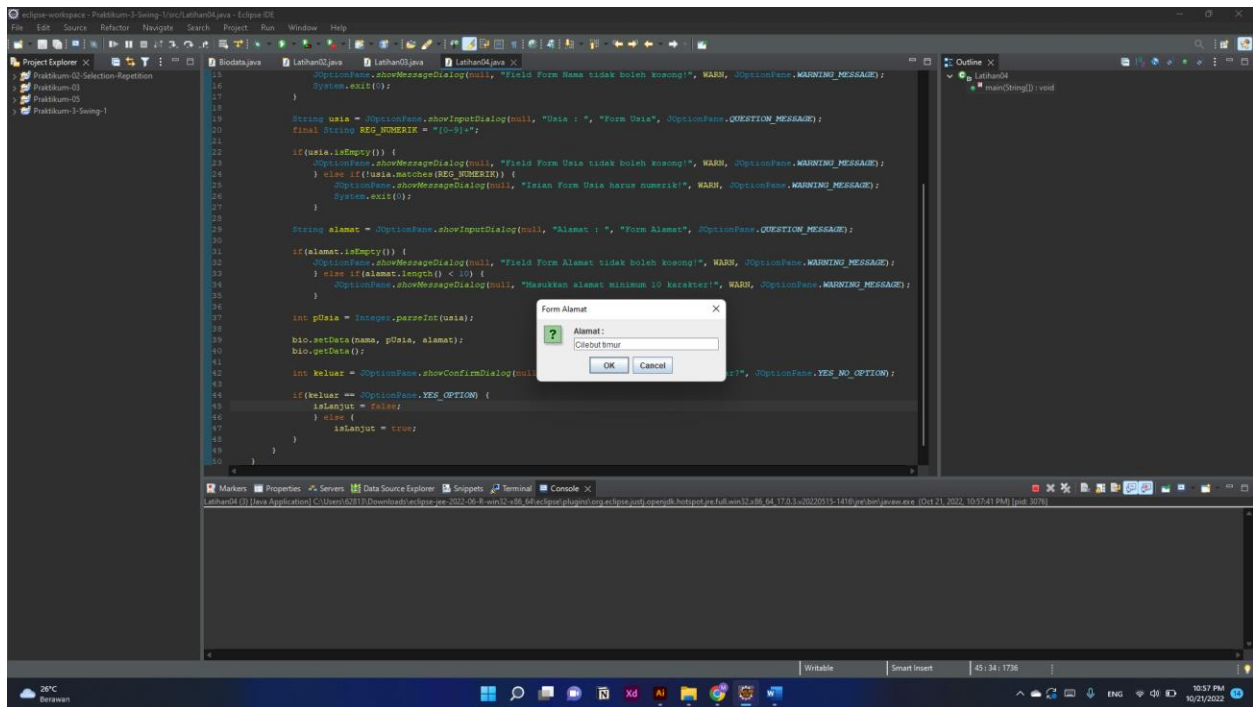
        int keluar = JOptionPane.showConfirmDialog(null, "Apakah Anda ingin keluar?",
"Keluar?", JOptionPane.YES_NO_OPTION);

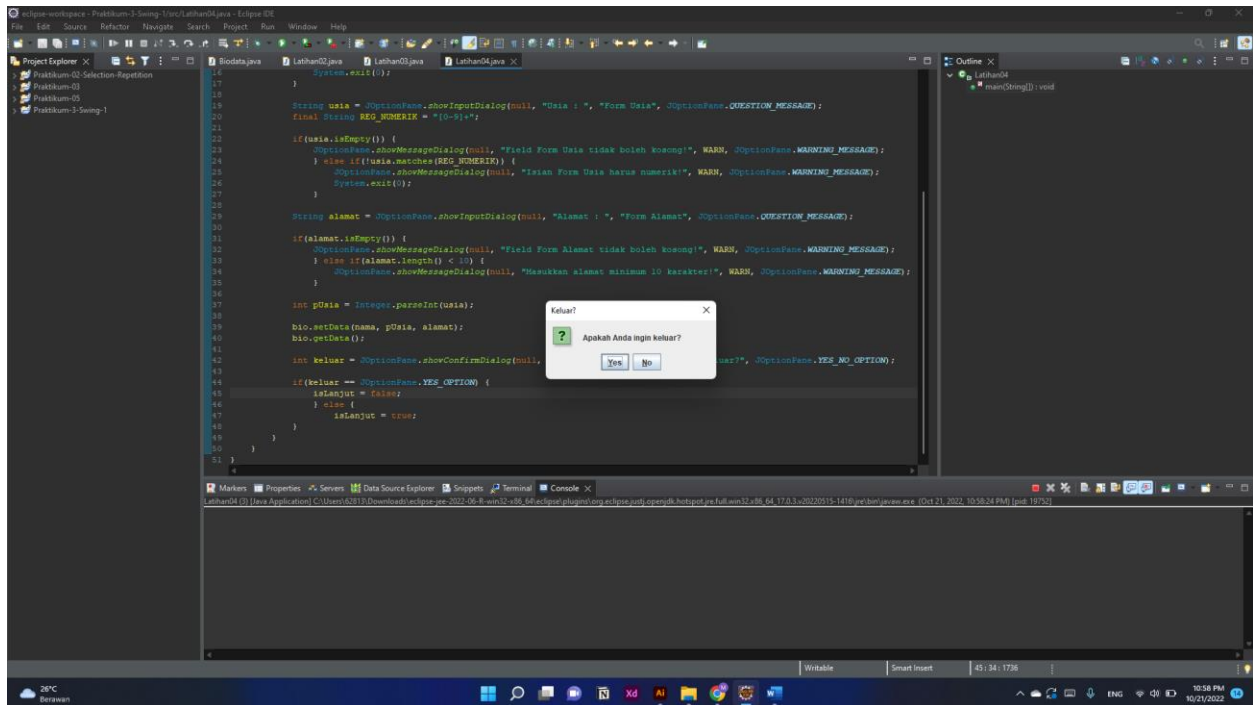
        if(keluar == JOptionPane.YES_OPTION) {
            isLanjut = false;
        } else {
            isLanjut = true;
        }
    }
}
}

```

Hasil Program







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