

Source code no 1

```
package Praktikum_03_Swing_1;

import javax.swing.JOptionPane;

public class Latihan02 {

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

        JOptionPane.showMessageDialog(null, "Selamat Datang!");

        String nama = JOptionPane.showInputDialog(null, "Masukkan nama lengkap anda:", "Input nama", JOptionPane.QUESTION_MESSAGE);
        String usia = JOptionPane.showInputDialog(null, "Masukkan usia anda:", "Input usia", JOptionPane.QUESTION_MESSAGE);
        String alamat = JOptionPane.showInputDialog(null, "Masukkan alamat anda:", "Input alamat", JOptionPane.QUESTION_MESSAGE);

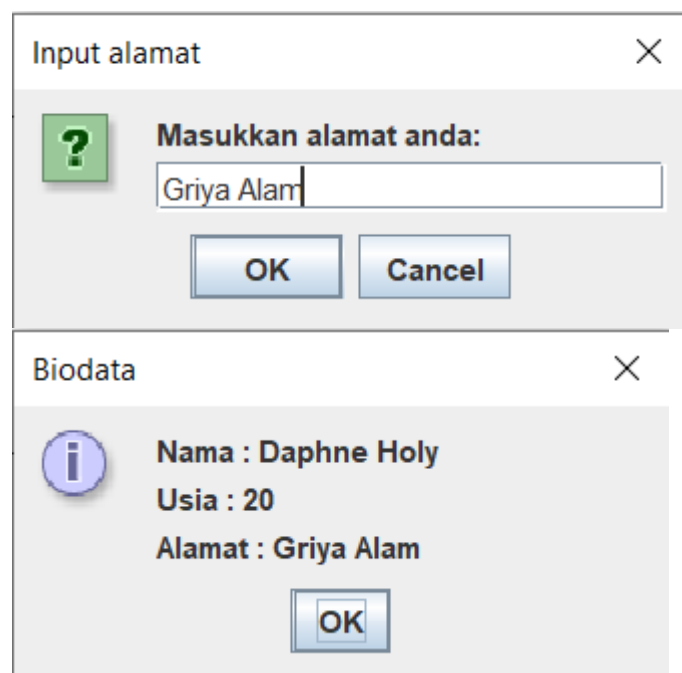
        int pUsia = Integer.parseInt(usia);

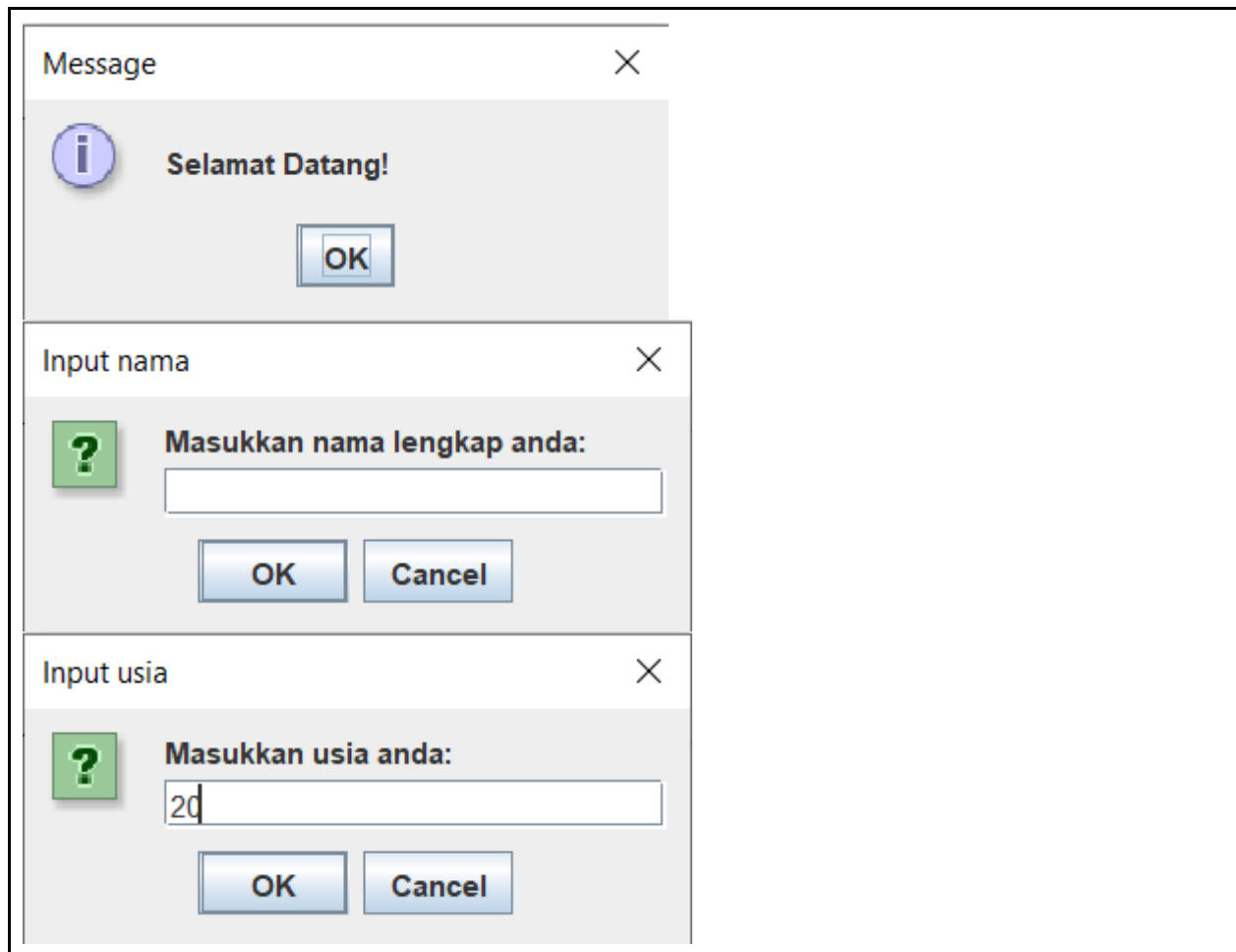
        JOptionPane.showMessageDialog(null, "Nama : " + nama + "\n" + "Usia : " + usia + "\n" + "Alamat : " + alamat + "\n", "Biodata", JOptionPane.INFORMATION_MESSAGE);

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

    }

}
```





Source code no 2

```
package Praktikum_03_Swing_1;

import javax.swing.JOptionPane;

public class Latihan03 {

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

        JOptionPane.showMessageDialog(null, "Selamat Datang!");
        final String WARN = "PERINGATAN!";

        String nama = JOptionPane.showInputDialog(null, "Masukkan nama lengkap
anda:", "Input nama", JOptionPane.QUESTION_MESSAGE);

        if(nama.isEmpty()) {
            JOptionPane.showMessageDialog(null, "Nama harus diisi!", WARN,
JOptionPane.WARNING_MESSAGE);
```

```
        System.exit(0);
    }

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

    if(usia.isEmpty()) {
        JOptionPane.showMessageDialog(null, "Usia harus diisi!", WARN,
JOptionPane.WARNING_MESSAGE);
    } else if(!usia.matches(REG_NUMERIK)) {
        JOptionPane.showMessageDialog(null, "isian harus numerik!", WARN,
JOptionPane.WARNING_MESSAGE);
    }

    String alamat = JOptionPane.showInputDialog(null, "Masukkan alamat anda:",
"Input Alamat", JOptionPane.QUESTION_MESSAGE);

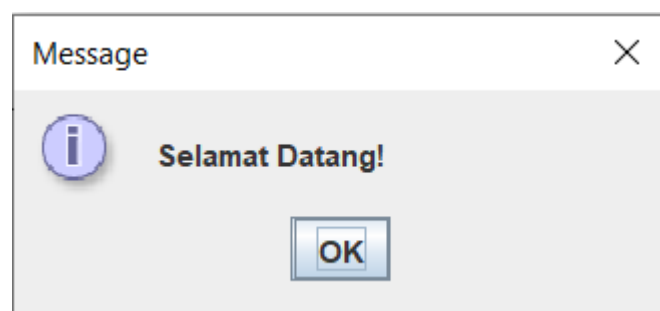
    if(alamat.isEmpty()) {
        JOptionPane.showMessageDialog(null, "Alamat harus diisi!", WARN,
JOptionPane.QUESTION_MESSAGE);
    } else if (alamat.length() < 10) {
        JOptionPane.showMessageDialog(null, "Masukkan alamat min. 10
karakter!", WARN, JOptionPane.WARNING_MESSAGE);
    }

    int pUsia = Integer.parseInt(usia);

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


}

}
```




The image displays four sequential Java Swing dialog boxes. The first three are for input: 'Input nama' (requesting full name), 'Input usia' (requesting age, with '20' entered), and 'Input alamat' (requesting address, with 'Griya Alam' entered). Each has a green question mark icon and 'OK'/'Cancel' buttons. The fourth, 'Biodata', has a purple information icon and displays the collected data: 'Nama : Daphne Holy', 'Usia : 20', and 'Alamat : Griya Alam', with an 'OK' button.

Input nama ✕

 Masukkan nama lengkap anda:


OK Cancel

Input usia ✕

 Masukkan usia anda:


OK Cancel

Input alamat ✕

 Masukkan alamat anda:

OK Cancel

Biodata ✕

 Nama : Daphne Holy
Usia : 20
Alamat : Griya Alam

OK

Source code no 3

```
package Praktikum_03_Swing_1;  
  
import javax.swing.JOptionPane;  
  
public class Latihan04 {  
  
    public static void main(String[] args) {  
        Biodata bio = new Biodata();  
    }  
}
```

```
JOptionPane.showMessageDialog(null, "Selamat Datang!");
final String WARN = "PERINGATAN!";
boolean isLanjut = true;

while(isLanjut) {
    String nama = JOptionPane.showInputDialog(null, "Masukkan Nama
lengkap anda:", "Input Nama", JOptionPane.QUESTION_MESSAGE);

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

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

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

    String alamat = JOptionPane.showInputDialog(null, "Masukkan Alamat
anda:", "Input Alamat", JOptionPane.QUESTION_MESSAGE);

    if(alamat.isEmpty()) {
        JOptionPane.showMessageDialog(null, "Alamat harus diisi!",
WARN, JOptionPane.WARNING_MESSAGE);
    } else if (alamat.length() < 10) {
        JOptionPane.showMessageDialog(null, "Masukkan Alamat min.
10 karakter!", WARN, JOptionPane.WARNING_MESSAGE);
    }

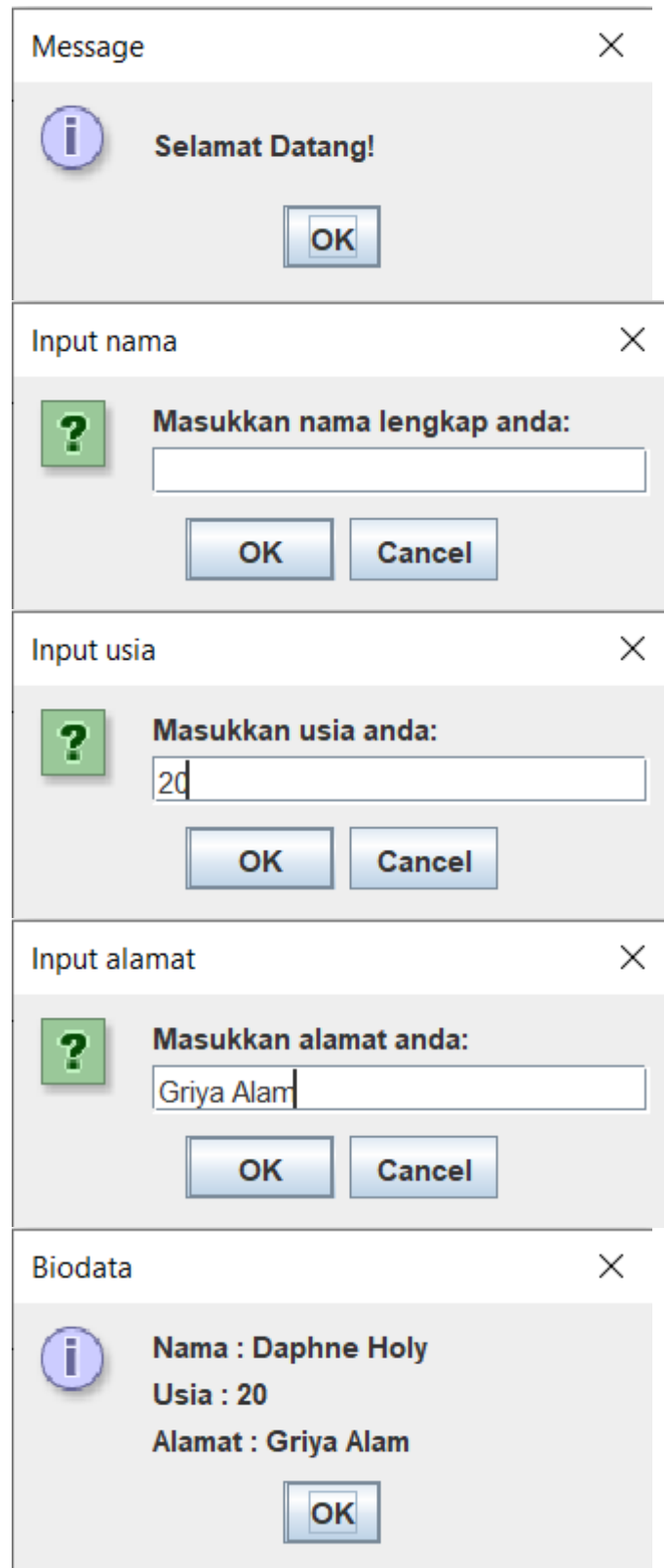
    int pUsia = Integer.parseInt(usia);

    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;
    }
}
```

```
}
    JOptionPane.showMessageDialog(null, "Terimakasih!");
}
```



The image displays a sequence of five Java Swing dialog boxes, each with a title bar and a close button (X).

- Message:** Features an information icon (i) and the text "Selamat Datang!". It has a single "OK" button.
- Input nama:** Features a question mark icon (?) and the text "Masukkan nama lengkap anda:". It includes a text input field and "OK" and "Cancel" buttons.
- Input usia:** Features a question mark icon (?) and the text "Masukkan usia anda:". It includes a text input field containing the value "20" and "OK" and "Cancel" buttons.
- Input alamat:** Features a question mark icon (?) and the text "Masukkan alamat anda:". It includes a text input field containing the value "Griya Alam" and "OK" and "Cancel" buttons.
- Biodata:** Features an information icon (i) and displays the collected data: "Nama : Daphne Holy", "Usia : 20", and "Alamat : Griya Alam". It has a single "OK" button.

Source code Biodata

```
package Praktikum_03_Swing_1;

import javax.swing.JOptionPane;
public class Biodata {

    private String Fullname, alamat;
    private int usia;

    void setData(String valName, int valUsia, String valAlamat) {

        Fullname = valName;
        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);
    }
}
```

