**PEMROGRAMAN BERBASIS WEB**

**(GUI Netbeans)**

****

**Disusun Oleh:**

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**PROGRAM STUDI S-1 TEKNIK INFORMATIKA**

**FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM**

**UNIVERSITAS PADJADJARAN**

**JATINANGOR**

**2022**

1. Modul Materi
   1. Hello GUI
      1. Source Code:

/\*

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\* Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template

\*/

package gui.javagui;

/\*\*

\*

\* @author prame

\*/

public class JavaGUI extends javax.swing.JFrame {

/\*\*

\* Creates new form HelloGUINetbeans

\*/

public JavaGUI() {

initComponents();

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel4 = new javax.swing.JPanel();

lblHasil = new javax.swing.JLabel();

jPanel1 = new javax.swing.JPanel();

Judul = new javax.swing.JLabel();

jPanel3 = new javax.swing.JPanel();

lblNama = new javax.swing.JLabel();

lblNpm = new javax.swing.JLabel();

fldNama = new javax.swing.JTextField();

fldNpm = new javax.swing.JTextField();

btnBersihkan = new javax.swing.JButton();

btnTekanSaya = new javax.swing.JButton();

btnSelesai = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jPanel4.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Hasil", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.TOP, new java.awt.Font("Times New Roman", 0, 18))); // NOI18N

lblHasil.setFont(new java.awt.Font("Times New Roman", 0, 24)); // NOI18N

lblHasil.setText(" ");

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);

jPanel4.setLayout(jPanel4Layout);

jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel4Layout.createSequentialGroup()

.addGap(21, 21, 21)

.addComponent(lblHasil, javax.swing.GroupLayout.PREFERRED\_SIZE, 975, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(26, Short.MAX\_VALUE))

);

jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel4Layout.createSequentialGroup()

.addContainerGap()

.addComponent(lblHasil, javax.swing.GroupLayout.PREFERRED\_SIZE, 53, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(16, Short.MAX\_VALUE))

);

jPanel1.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));

Judul.setFont(new java.awt.Font("Times New Roman", 1, 48)); // NOI18N

Judul.setText("Hello GUI Netbeans");

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGap(0, 0, Short.MAX\_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(0, 0, Short.MAX\_VALUE)

.addComponent(Judul)

.addGap(0, 0, Short.MAX\_VALUE)))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGap(0, 76, Short.MAX\_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(0, 10, Short.MAX\_VALUE)

.addComponent(Judul)

.addGap(0, 10, Short.MAX\_VALUE)))

);

jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Input Data", javax.swing.border.TitledBorder.LEFT, javax.swing.border.TitledBorder.TOP, new java.awt.Font("Times New Roman", 0, 18))); // NOI18N

lblNama.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

lblNama.setText("Nama :");

lblNpm.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

lblNpm.setText("NPM :");

fldNama.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

fldNamaActionPerformed(evt);

}

});

fldNpm.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

fldNpmActionPerformed(evt);

}

});

btnBersihkan.setBackground(new java.awt.Color(242, 242, 242));

btnBersihkan.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

btnBersihkan.setText("Bersihkan");

btnBersihkan.setToolTipText("");

btnBersihkan.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));

btnBersihkan.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnBersihkanActionPerformed(evt);

}

});

btnTekanSaya.setBackground(new java.awt.Color(242, 242, 242));

btnTekanSaya.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

btnTekanSaya.setText("Tekan Saya");

btnTekanSaya.setToolTipText("");

btnTekanSaya.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));

btnTekanSaya.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnTekanSayaActionPerformed(evt);

}

});

btnSelesai.setBackground(new java.awt.Color(242, 242, 242));

btnSelesai.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

btnSelesai.setText("Selesai");

btnSelesai.setToolTipText("");

btnSelesai.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));

btnSelesai.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnSelesaiActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()

.addGap(36, 36, 36)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(lblNama, javax.swing.GroupLayout.DEFAULT\_SIZE, 90, Short.MAX\_VALUE)

.addComponent(lblNpm, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(fldNama, javax.swing.GroupLayout.DEFAULT\_SIZE, 500, Short.MAX\_VALUE)

.addComponent(fldNpm))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(btnTekanSaya, javax.swing.GroupLayout.PREFERRED\_SIZE, 200, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnSelesai, javax.swing.GroupLayout.PREFERRED\_SIZE, 200, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnBersihkan, javax.swing.GroupLayout.PREFERRED\_SIZE, 200, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(55, 55, 55))

);

jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(50, 50, 50)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(lblNama)

.addComponent(fldNama, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(29, 29, 29)

.addComponent(btnTekanSaya, javax.swing.GroupLayout.PREFERRED\_SIZE, 100, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(12, 12, 12)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(lblNpm)

.addComponent(fldNpm, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(1, 1, 1)

.addComponent(btnBersihkan, javax.swing.GroupLayout.PREFERRED\_SIZE, 100, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 57, Short.MAX\_VALUE)

.addComponent(btnSelesai, javax.swing.GroupLayout.PREFERRED\_SIZE, 100, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(58, 58, 58))

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(50, 50, 50)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addContainerGap(32, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(25, 25, 25)

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(58, 58, 58)

.addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(41, 41, 41))

);

pack();

}// </editor-fold>

private void fldNamaActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void fldNpmActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void btnBersihkanActionPerformed(java.awt.event.ActionEvent evt) {

fldNama.setText("");

fldNpm.setText("");

lblHasil.setText("");

fldNama.requestFocus(); //Agar kursor kembali ke field nama

}

private void btnTekanSayaActionPerformed(java.awt.event.ActionEvent evt) {

lblHasil.setText("Hi, perkenalkan nama saya " + fldNama.getText() + " dan NPM saya " + fldNpm.getText());

}

private void btnSelesaiActionPerformed(java.awt.event.ActionEvent evt) {

System.exit(0); //Keluar dari program

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(JavaGUI.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(JavaGUI.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(JavaGUI.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(JavaGUI.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new JavaGUI().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JLabel Judul;

private javax.swing.JButton btnBersihkan;

private javax.swing.JButton btnSelesai;

private javax.swing.JButton btnTekanSaya;

private javax.swing.JTextField fldNama;

private javax.swing.JTextField fldNpm;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel3;

private javax.swing.JPanel jPanel4;

private javax.swing.JLabel lblHasil;

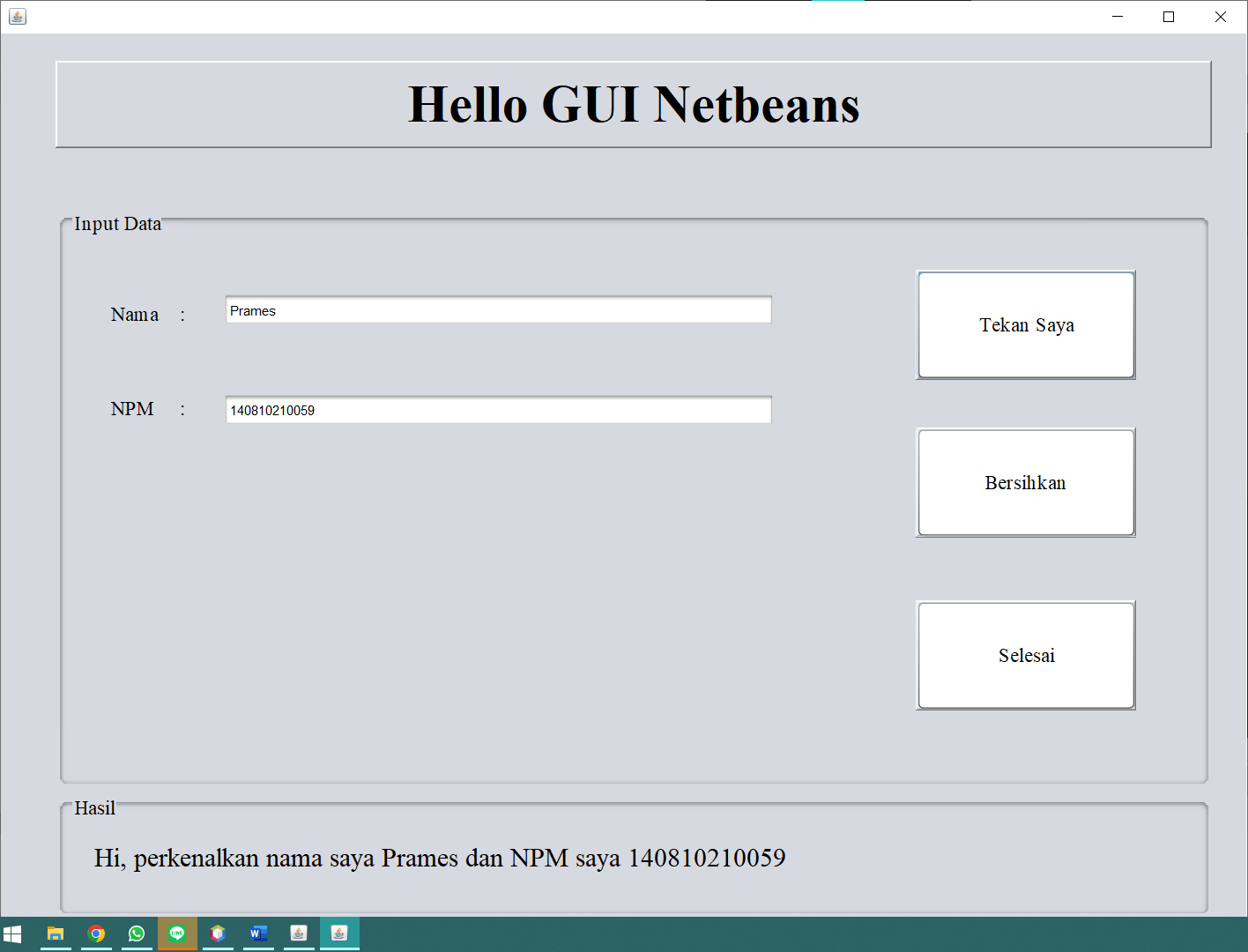
private javax.swing.JLabel lblNama;

private javax.swing.JLabel lblNpm;

// End of variables declaration

}

* + 1. Screenshot:



* 1. Selection
     1. Source Code:

/\*

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\* Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template

\*/

package gui.javagui2;

/\*\*

\*

\* @author prame

\*/

public class JavaGUI2 extends javax.swing.JFrame {

/\*\*

\* Creates new form JavaGUI2

\*/

public JavaGUI2() {

initComponents();

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

buttonGroup1 = new javax.swing.ButtonGroup();

jPanel2 = new javax.swing.JPanel();

lblProdi = new javax.swing.JLabel();

lblAngkatan = new javax.swing.JLabel();

lblNoUrut = new javax.swing.JLabel();

fldProdi = new javax.swing.JComboBox<>();

rb2019 = new javax.swing.JRadioButton();

rb2020 = new javax.swing.JRadioButton();

rb2021 = new javax.swing.JRadioButton();

rb2022 = new javax.swing.JRadioButton();

fldNoUrut = new javax.swing.JTextField();

btnProses = new javax.swing.JButton();

jPanel4 = new javax.swing.JPanel();

lblHasilNPM = new javax.swing.JLabel();

lblOutputNPM = new javax.swing.JLabel();

btnSelesai = new javax.swing.JButton();

lblJudul = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jPanel2.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

lblProdi.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

lblProdi.setText("Prodi :");

lblProdi.setPreferredSize(new java.awt.Dimension(100, 20));

lblAngkatan.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

lblAngkatan.setText("Angkatan :");

lblAngkatan.setPreferredSize(new java.awt.Dimension(100, 20));

lblNoUrut.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

lblNoUrut.setText("No Urut :");

lblNoUrut.setPreferredSize(new java.awt.Dimension(100, 20));

fldProdi.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

fldProdi.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Matematika", "Kimia", "Fisika", "Biologi", "Statistika", "Geofisika", "Teknik Informatika", "Teknik Elektro", "Aktuaria", "Teknologi Industri Kimia" }));

fldProdi.setToolTipText("");

fldProdi.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

fldProdiActionPerformed(evt);

}

});

rb2019.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

rb2019.setText("2019");

rb2019.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

rb2019ActionPerformed(evt);

}

});

rb2020.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

rb2020.setText("2020");

rb2020.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

rb2020ActionPerformed(evt);

}

});

rb2021.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

rb2021.setText("2021");

rb2021.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

rb2021ActionPerformed(evt);

}

});

rb2022.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

rb2022.setText("2022");

rb2022.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

rb2022ActionPerformed(evt);

}

});

fldNoUrut.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

btnProses.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

btnProses.setText("Proses");

btnProses.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnProsesActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(21, 21, 21)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(lblProdi, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(31, 31, 31)

.addComponent(fldProdi, javax.swing.GroupLayout.PREFERRED\_SIZE, 251, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(lblAngkatan, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(lblNoUrut, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(31, 31, 31)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(fldNoUrut, javax.swing.GroupLayout.PREFERRED\_SIZE, 71, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(rb2019, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(rb2020, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(rb2021, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(rb2022, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addContainerGap(59, Short.MAX\_VALUE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(btnProses)

.addGap(28, 28, 28))

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(55, 55, 55)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(lblProdi, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(fldProdi, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(51, 51, 51)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(lblAngkatan, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(rb2019))

.addGap(18, 18, 18)

.addComponent(rb2020)

.addGap(18, 18, 18)

.addComponent(rb2021)

.addGap(18, 18, 18)

.addComponent(rb2022)

.addGap(60, 60, 60)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(lblNoUrut, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(fldNoUrut, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 96, Short.MAX\_VALUE)

.addComponent(btnProses)

.addGap(22, 22, 22))

);

jPanel4.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

lblHasilNPM.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

lblHasilNPM.setText("Hasil NPM anda adalah: ");

lblOutputNPM.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

lblOutputNPM.setText(" ");

btnSelesai.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

btnSelesai.setText("Selesai");

btnSelesai.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnSelesaiActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);

jPanel4.setLayout(jPanel4Layout);

jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel4Layout.createSequentialGroup()

.addGap(50, 50, 50)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(btnSelesai)

.addGroup(jPanel4Layout.createSequentialGroup()

.addComponent(lblHasilNPM, javax.swing.GroupLayout.PREFERRED\_SIZE, 202, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(lblOutputNPM, javax.swing.GroupLayout.PREFERRED\_SIZE, 202, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(28, Short.MAX\_VALUE))

);

jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel4Layout.createSequentialGroup()

.addGap(50, 50, 50)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(lblHasilNPM)

.addComponent(lblOutputNPM))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(btnSelesai)

.addGap(24, 24, 24))

);

lblJudul.setFont(new java.awt.Font("Times New Roman", 0, 48)); // NOI18N

lblJudul.setText("Proses Pembentukan NPM");

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(43, 43, 43)

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 40, Short.MAX\_VALUE)

.addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(43, 43, 43))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(lblJudul)

.addGap(280, 280, 280))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(49, 49, 49)

.addComponent(lblJudul)

.addGap(75, 75, 75)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addContainerGap(14, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>

private void fldProdiActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void rb2019ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void rb2020ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void rb2021ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void rb2022ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void btnProsesActionPerformed(java.awt.event.ActionEvent evt) {

String prodi = null;

String angkatan= null;

//Conditional Statement untuk pilihan prodi melalui ComboBox

if (fldProdi.getSelectedIndex() == 0) {

prodi = "01";

}

else if (fldProdi.getSelectedIndex() == 1) {

prodi = "02";

}

else if (fldProdi.getSelectedIndex() == 2) {

prodi = "03";

}

else if (fldProdi.getSelectedIndex() == 3) {

prodi = "04";

}

else if (fldProdi.getSelectedIndex() == 4) {

prodi = "06";

}

else if (fldProdi.getSelectedIndex() == 5) {

prodi = "07";

}

else if (fldProdi.getSelectedIndex() == 6) {

prodi = "08";

}

else if (fldProdi.getSelectedIndex() == 7) {

prodi = "09";

}

else if (fldProdi.getSelectedIndex() == 8) {

prodi = "10";

}

else if (fldProdi.getSelectedIndex() == 9) {

prodi = "11";

}

//Conditional Statement untuk pilihan angkatan melalui Radio Button

if (rb2019.isSelected()){

angkatan = "19";

}

else if (rb2020.isSelected()){

angkatan = "20";

}

else if (rb2021.isSelected()){

angkatan = "21";

}

else if (rb2022.isSelected()){

angkatan = "22";

}

lblOutputNPM.setText("14" + prodi + "10"+ angkatan + fldNoUrut.getText());

}

private void btnSelesaiActionPerformed(java.awt.event.ActionEvent evt) {

System.exit(0);

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(JavaGUI2.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(JavaGUI2.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(JavaGUI2.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(JavaGUI2.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new JavaGUI2().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnProses;

private javax.swing.JButton btnSelesai;

private javax.swing.ButtonGroup buttonGroup1;

private javax.swing.JTextField fldNoUrut;

private javax.swing.JComboBox<String> fldProdi;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

private javax.swing.JPanel jPanel4;

private javax.swing.JLabel lblAngkatan;

private javax.swing.JLabel lblHasilNPM;

private javax.swing.JLabel lblJudul;

private javax.swing.JLabel lblNoUrut;

private javax.swing.JLabel lblOutputNPM;

private javax.swing.JLabel lblProdi;

private javax.swing.JRadioButton rb2019;

private javax.swing.JRadioButton rb2020;

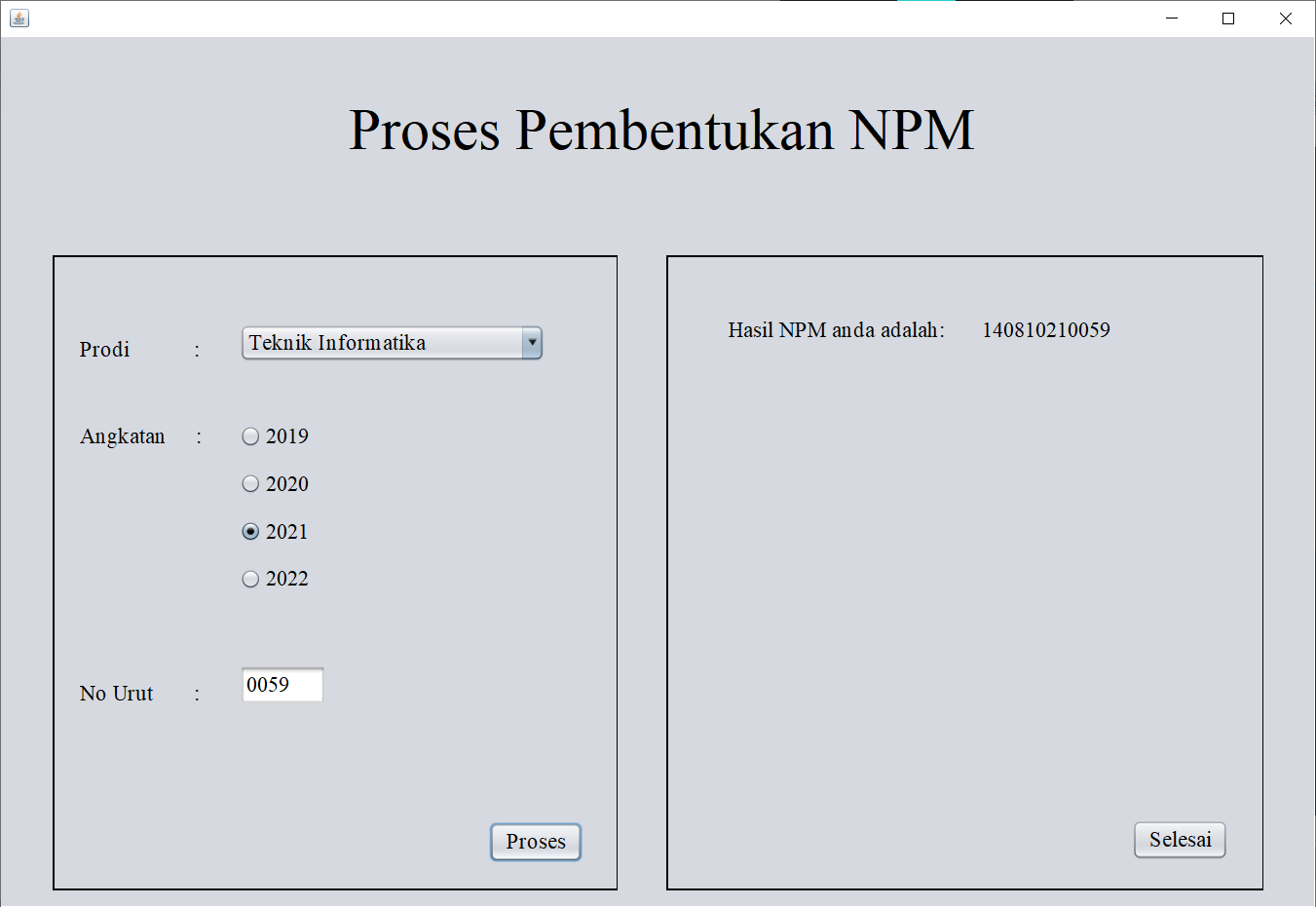
private javax.swing.JRadioButton rb2021;

private javax.swing.JRadioButton rb2022;

// End of variables declaration

}

* + 1. Screenshot:



* 1. Looping
     1. Source Code:

/\*

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\*/

package gui.javagui3;

/\*\*

\*

\* @author prame

\*/

public class JavaGUI3 extends javax.swing.JFrame {

/\*\*

\* Creates new form JavaGUI3

\*/

public JavaGUI3() {

initComponents();

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

lblinput = new javax.swing.JLabel();

fldInput = new javax.swing.JTextField();

jScrollPane1 = new javax.swing.JScrollPane();

tahasil = new javax.swing.JTextArea();

btnTekanSaya = new javax.swing.JButton();

btnSelesai = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

lblinput.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

lblinput.setText("Masukkan Angka :");

fldInput.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

fldInput.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

fldInputActionPerformed(evt);

}

});

tahasil.setColumns(20);

tahasil.setRows(5);

jScrollPane1.setViewportView(tahasil);

btnTekanSaya.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

btnTekanSaya.setText("Tekan Saya");

btnTekanSaya.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnTekanSayaActionPerformed(evt);

}

});

btnSelesai.setFont(new java.awt.Font("Times New Roman", 0, 18)); // NOI18N

btnSelesai.setText("Selesai");

btnSelesai.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnSelesaiActionPerformed(evt);

}

});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(67, 67, 67)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addGroup(layout.createSequentialGroup()

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 948, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(btnSelesai, javax.swing.GroupLayout.PREFERRED\_SIZE, 114, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(layout.createSequentialGroup()

.addComponent(lblinput)

.addGap(18, 18, 18)

.addComponent(fldInput, javax.swing.GroupLayout.PREFERRED\_SIZE, 133, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(521, 521, 521)

.addComponent(btnTekanSaya)))

.addGap(42, 42, 42))))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(64, 64, 64)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(lblinput)

.addComponent(fldInput, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnTekanSaya))

.addGap(18, 18, 18)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 496, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(btnSelesai)

.addContainerGap(68, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>

private void fldInputActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void btnTekanSayaActionPerformed(java.awt.event.ActionEvent evt) {

int angka = Integer.parseInt(fldInput.getText());

for (int i=1; i<=angka ;i++){

tahasil.append(String.valueOf(i)+"\n");

}

cetakBintang(angka);

}

private void btnSelesaiActionPerformed(java.awt.event.ActionEvent evt) {

System.exit(0);

}

private void cetakBintang(int angka) {

tahasil.append("\nPencetakan Bintang\n");

for (int i= 1; i <= angka; i++) {

tahasil.append(String.valueOf(i) + ". ");

for (int j = 1; j <= i; j++) {

tahasil.append("\* ");

}

tahasil.append("\n");

}

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(JavaGUI3.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(JavaGUI3.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(JavaGUI3.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(JavaGUI3.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new JavaGUI3().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnSelesai;

private javax.swing.JButton btnTekanSaya;

private javax.swing.JTextField fldInput;

private javax.swing.JScrollPane jScrollPane1;

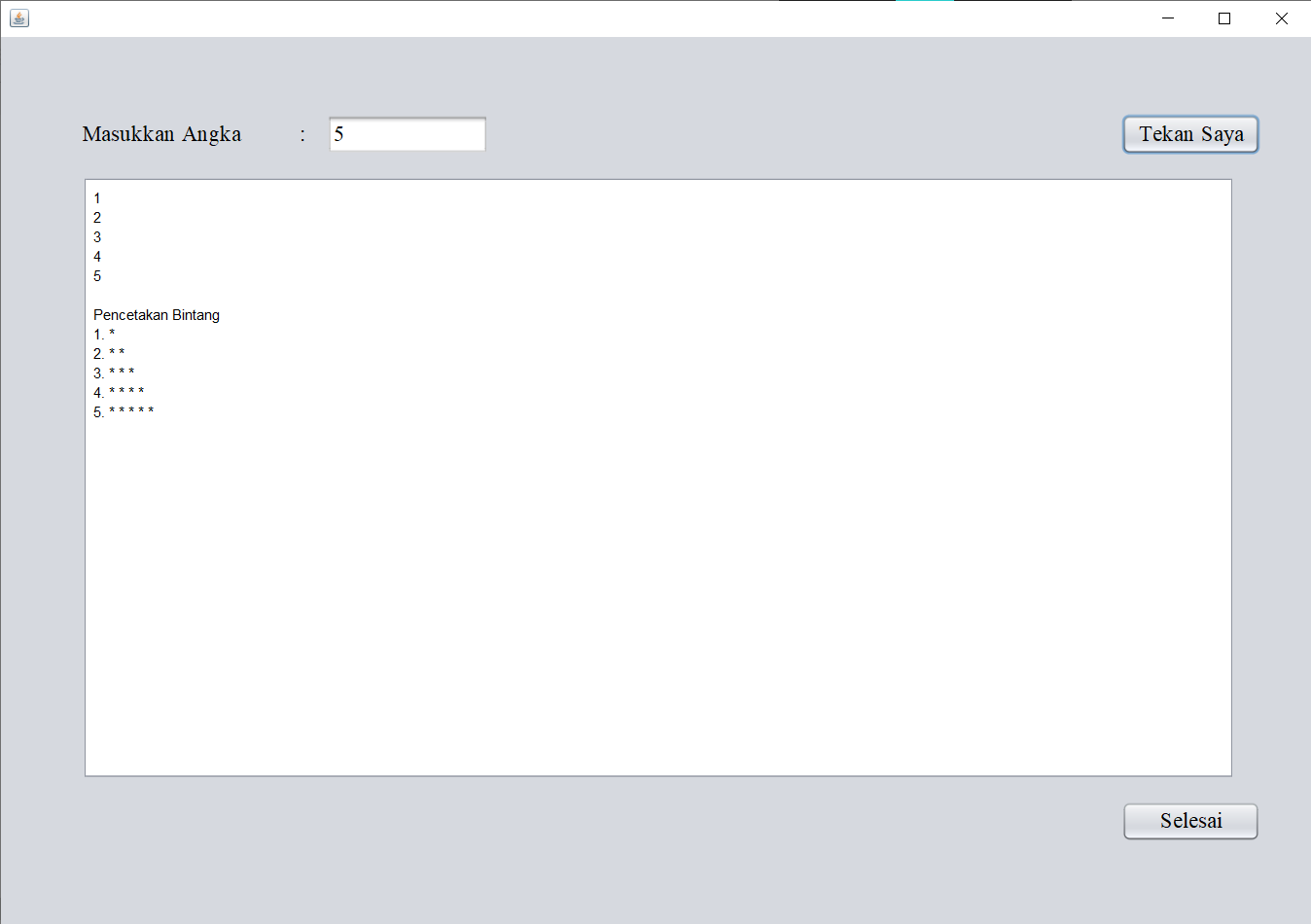
private javax.swing.JLabel lblinput;

private javax.swing.JTextArea tahasil;

// End of variables declaration

}

* + 1. Screenshot:



* 1. Event
     1. Source Code:

/\*

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\*/

package gui.javagui4;

import javax.swing.JOptionPane;

/\*\*

\*

\* @author prame

\*/

public class JavaGUI4 extends javax.swing.JFrame {

/\*\*

\* Creates new form JavaGUI4

\*/

public JavaGUI4() {

initComponents();

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jPanel2 = new javax.swing.JPanel();

btnProses = new javax.swing.JButton();

btnBersihkan = new javax.swing.JButton();

lblNamaFile = new javax.swing.JLabel();

btnSelesai = new javax.swing.JButton();

lblJudul = new javax.swing.JLabel();

lblSubJudul = new javax.swing.JLabel();

pnlInput = new javax.swing.JPanel();

lblPanjang = new javax.swing.JLabel();

lblLebar = new javax.swing.JLabel();

lblLuasPersegiPanjang = new javax.swing.JLabel();

fldPanjang = new javax.swing.JTextField();

fldLebar = new javax.swing.JTextField();

fldLuasPersegiPanjang = new javax.swing.JTextField();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jPanel1.setBackground(new java.awt.Color(255, 204, 51));

jPanel2.setBackground(new java.awt.Color(255, 255, 255));

btnProses.setBackground(new java.awt.Color(255, 204, 51));

btnProses.setFont(new java.awt.Font("Hack", 0, 18)); // NOI18N

btnProses.setText("PROSES");

btnProses.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnProsesActionPerformed(evt);

}

});

btnProses.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

btnProsesKeyPressed(evt);

}

});

btnBersihkan.setBackground(new java.awt.Color(255, 204, 51));

btnBersihkan.setFont(new java.awt.Font("Hack", 0, 18)); // NOI18N

btnBersihkan.setText("BERSIHKAN");

btnBersihkan.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnBersihkanActionPerformed(evt);

}

});

btnBersihkan.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

btnBersihkanKeyPressed(evt);

}

});

lblNamaFile.setFont(new java.awt.Font("Hack", 0, 8)); // NOI18N

lblNamaFile.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

lblNamaFile.setText("LuasPersegiPanjang.java");

btnSelesai.setBackground(new java.awt.Color(255, 204, 51));

btnSelesai.setFont(new java.awt.Font("Hack", 0, 18)); // NOI18N

btnSelesai.setText("SELESAI");

btnSelesai.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnSelesaiActionPerformed(evt);

}

});

btnSelesai.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

btnSelesaiKeyPressed(evt);

}

});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap()

.addComponent(lblNamaFile, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(32, 32, 32)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(btnSelesai, javax.swing.GroupLayout.PREFERRED\_SIZE, 221, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnBersihkan, javax.swing.GroupLayout.PREFERRED\_SIZE, 221, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnProses, javax.swing.GroupLayout.PREFERRED\_SIZE, 221, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(47, Short.MAX\_VALUE))

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(189, 189, 189)

.addComponent(btnProses)

.addGap(18, 18, 18)

.addComponent(btnBersihkan)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(btnSelesai)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(lblNamaFile)

.addContainerGap())

);

lblJudul.setFont(new java.awt.Font("Hack", 1, 36)); // NOI18N

lblJudul.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

lblJudul.setText("PROGRAM PENCARI LUAS");

lblJudul.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);

lblSubJudul.setFont(new java.awt.Font("Hack", 0, 18)); // NOI18N

lblSubJudul.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

lblSubJudul.setText("PERSEGI PANJANG");

lblSubJudul.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);

pnlInput.setBackground(new java.awt.Color(255, 204, 51));

pnlInput.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0))), "Input", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Hack", 0, 18))); // NOI18N

lblPanjang.setFont(new java.awt.Font("Hack", 0, 14)); // NOI18N

lblPanjang.setText("Panjang :");

lblLebar.setFont(new java.awt.Font("Hack", 0, 14)); // NOI18N

lblLebar.setText("Lebar :");

lblLuasPersegiPanjang.setFont(new java.awt.Font("Hack", 0, 14)); // NOI18N

lblLuasPersegiPanjang.setText("Luas Persegi Panjang :");

fldPanjang.setFont(new java.awt.Font("Hack", 0, 14)); // NOI18N

fldPanjang.addFocusListener(new java.awt.event.FocusAdapter() {

public void focusLost(java.awt.event.FocusEvent evt) {

fldPanjangFocusLost(evt);

}

});

fldPanjang.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

fldPanjangActionPerformed(evt);

}

});

fldPanjang.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

fldPanjangKeyPressed(evt);

}

});

fldLebar.setFont(new java.awt.Font("Hack", 0, 14)); // NOI18N

fldLebar.addFocusListener(new java.awt.event.FocusAdapter() {

public void focusLost(java.awt.event.FocusEvent evt) {

fldLebarFocusLost(evt);

}

});

fldLebar.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

fldLebarKeyPressed(evt);

}

});

fldLuasPersegiPanjang.setEditable(false);

fldLuasPersegiPanjang.setFont(new java.awt.Font("Hack", 0, 14)); // NOI18N

fldLuasPersegiPanjang.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

fldLuasPersegiPanjangActionPerformed(evt);

}

});

javax.swing.GroupLayout pnlInputLayout = new javax.swing.GroupLayout(pnlInput);

pnlInput.setLayout(pnlInputLayout);

pnlInputLayout.setHorizontalGroup(

pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(pnlInputLayout.createSequentialGroup()

.addGap(28, 28, 28)

.addGroup(pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(pnlInputLayout.createSequentialGroup()

.addGroup(pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(lblLuasPersegiPanjang, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(lblLebar, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(fldLebar, javax.swing.GroupLayout.PREFERRED\_SIZE, 350, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(fldLuasPersegiPanjang, javax.swing.GroupLayout.PREFERRED\_SIZE, 350, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(pnlInputLayout.createSequentialGroup()

.addComponent(lblPanjang, javax.swing.GroupLayout.PREFERRED\_SIZE, 212, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(fldPanjang, javax.swing.GroupLayout.PREFERRED\_SIZE, 350, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(130, Short.MAX\_VALUE))

);

pnlInputLayout.setVerticalGroup(

pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(pnlInputLayout.createSequentialGroup()

.addGap(40, 40, 40)

.addGroup(pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(lblPanjang, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(fldPanjang, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(49, 49, 49)

.addGroup(pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(lblLebar, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(fldLebar, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 111, Short.MAX\_VALUE)

.addGroup(pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(lblLuasPersegiPanjang, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(fldLuasPersegiPanjang, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(43, 43, 43))

);

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(38, 38, 38)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(lblJudul, javax.swing.GroupLayout.PREFERRED\_SIZE, 702, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(lblSubJudul, javax.swing.GroupLayout.PREFERRED\_SIZE, 702, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(20, 20, 20)

.addComponent(pnlInput, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(0, 16, Short.MAX\_VALUE))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel2, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(29, 29, 29)

.addComponent(lblJudul, javax.swing.GroupLayout.PREFERRED\_SIZE, 45, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(lblSubJudul, javax.swing.GroupLayout.PREFERRED\_SIZE, 45, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(pnlInput, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(211, Short.MAX\_VALUE))

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

pack();

}// </editor-fold>

private void btnProsesActionPerformed(java.awt.event.ActionEvent evt) {

prosesHitungLuas();

}

private void btnProsesKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode()== 0x0A){

prosesHitungLuas();

}

}

private void btnBersihkanActionPerformed(java.awt.event.ActionEvent evt) {

fldPanjang.setText("");

fldLebar.setText("");

fldLuasPersegiPanjang.setText("");

fldPanjang.requestFocus();

}

private void btnBersihkanKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode()== 0x0A){

fldPanjang.setText("");

fldLebar.setText("");

fldLuasPersegiPanjang.setText("");

fldPanjang.requestFocus();

}

}

private void fldPanjangFocusLost(java.awt.event.FocusEvent evt) {

float pjg;

try{

pjg = Float.parseFloat(fldPanjang.getText());

}

catch(Throwable t){

JOptionPane.showMessageDialog(null, "Nilai non numerik, " + "silahkan dilengkapi", "Ada Kesalahan",1);

fldPanjang.requestFocus();

}

}

private void fldPanjangActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void fldPanjangKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode() == 0x0A ){

fldLebar.requestFocus();

}

}

private void fldLebarFocusLost(java.awt.event.FocusEvent evt) {

float lbr;

try{

lbr = Float.parseFloat(fldLebar.getText());

}

catch(Throwable t){

JOptionPane.showMessageDialog(null, "Nilai non numerik, " + "silahkan dilengkapi", "Ada Kesalahan",1);

fldLebar.requestFocus();

}

}

private void fldLebarKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode() == 0x0A ){

btnProses.requestFocus();

}

}

private void fldLuasPersegiPanjangActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void btnSelesaiActionPerformed(java.awt.event.ActionEvent evt) {

System.exit(0);

}

private void btnSelesaiKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode() == 0x0A ){

System.exit(0);

}

}

private float hitungLuas(float panjang, float lebar) {

return (panjang\*lebar);

}

private void prosesHitungLuas() {

float panjang, lebar, luas;

try{

panjang = Float.parseFloat(fldPanjang.getText());

lebar = Float.parseFloat(fldLebar.getText());

luas = hitungLuas(panjang,lebar);

fldLuasPersegiPanjang.setText(String.valueOf(luas));

} catch(Throwable t) {

JOptionPane.showMessageDialog(null,"Nilai bukan numerik, " + "silahkan diperbaiki untuk bisa diproses");

}

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(JavaGUI4.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(JavaGUI4.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(JavaGUI4.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(JavaGUI4.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new JavaGUI4().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnBersihkan;

private javax.swing.JButton btnProses;

private javax.swing.JButton btnSelesai;

private javax.swing.JTextField fldLebar;

private javax.swing.JTextField fldLuasPersegiPanjang;

private javax.swing.JTextField fldPanjang;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JLabel lblJudul;

private javax.swing.JLabel lblLebar;

private javax.swing.JLabel lblLuasPersegiPanjang;

private javax.swing.JLabel lblNamaFile;

private javax.swing.JLabel lblPanjang;

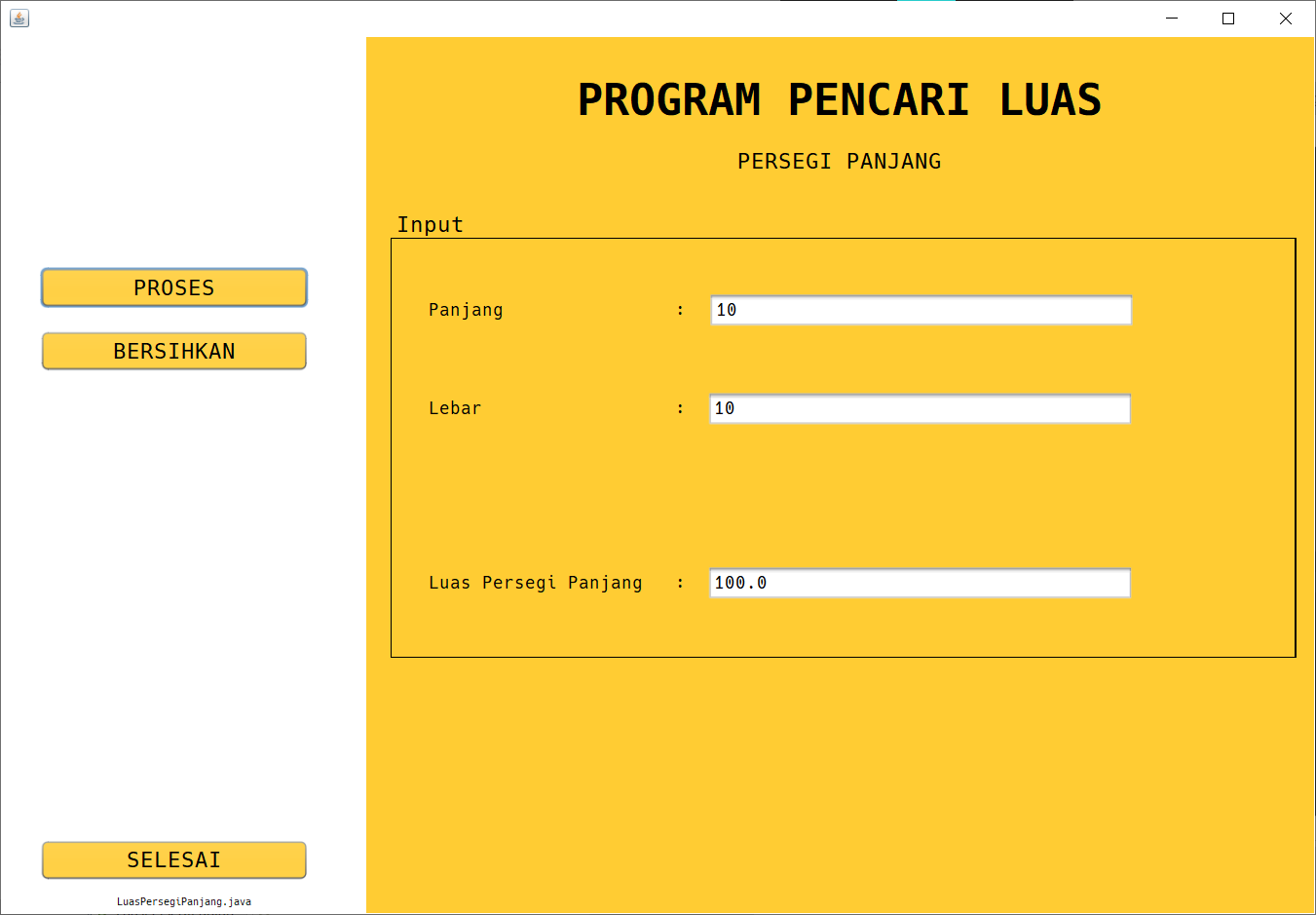
private javax.swing.JLabel lblSubJudul;

private javax.swing.JPanel pnlInput;

// End of variables declaration

}

* + 1. Screenshot:



1. Tugas
   1. Form1:
      1. Source Code:

/\*

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\*/

package gui.tugasluas;

/\*\*

\*

\* @author prame

\*/

public class TugasLuas extends javax.swing.JFrame {

/\*\*

\* Creates new form TugasLuas

\*/

public TugasLuas() {

initComponents();

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jPanel2 = new javax.swing.JPanel();

lblNamaFile = new javax.swing.JLabel();

lblJudul = new javax.swing.JLabel();

lblOpsi = new javax.swing.JLabel();

btnPersegiPanjang = new javax.swing.JButton();

btnSegitiga = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jPanel1.setBackground(new java.awt.Color(255, 204, 51));

jPanel2.setBackground(new java.awt.Color(255, 255, 255));

lblNamaFile.setFont(new java.awt.Font("Hack", 0, 8)); // NOI18N

lblNamaFile.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

lblNamaFile.setText("TugasLuas.java");

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap()

.addComponent(lblNamaFile, javax.swing.GroupLayout.DEFAULT\_SIZE, 288, Short.MAX\_VALUE)

.addContainerGap())

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(lblNamaFile)

.addContainerGap())

);

lblJudul.setFont(new java.awt.Font("Hack", 1, 36)); // NOI18N

lblJudul.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

lblJudul.setText("PROGRAM PENCARI LUAS");

lblJudul.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);

lblOpsi.setFont(new java.awt.Font("Hack", 0, 18)); // NOI18N

lblOpsi.setText("Opsi:");

btnPersegiPanjang.setFont(new java.awt.Font("Hack", 0, 24)); // NOI18N

btnPersegiPanjang.setText("PERSEGI PANJANG");

btnPersegiPanjang.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnPersegiPanjangActionPerformed(evt);

}

});

btnPersegiPanjang.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

btnPersegiPanjangKeyPressed(evt);

}

});

btnSegitiga.setFont(new java.awt.Font("Hack", 0, 24)); // NOI18N

btnSegitiga.setText("SEGITIGA");

btnSegitiga.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnSegitigaActionPerformed(evt);

}

});

btnSegitiga.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

btnSegitigaKeyPressed(evt);

}

});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(38, 38, 38)

.addComponent(lblOpsi, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(38, 38, 38)

.addComponent(lblJudul, javax.swing.GroupLayout.PREFERRED\_SIZE, 702, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(63, 63, 63)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(btnSegitiga, javax.swing.GroupLayout.PREFERRED\_SIZE, 637, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(btnPersegiPanjang, javax.swing.GroupLayout.PREFERRED\_SIZE, 637, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGap(0, 40, Short.MAX\_VALUE))))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel2, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(29, 29, 29)

.addComponent(lblJudul, javax.swing.GroupLayout.PREFERRED\_SIZE, 45, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(124, 124, 124)

.addComponent(lblOpsi)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(btnPersegiPanjang, javax.swing.GroupLayout.PREFERRED\_SIZE, 81, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(btnSegitiga, javax.swing.GroupLayout.PREFERRED\_SIZE, 81, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(308, Short.MAX\_VALUE))

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

pack();

}// </editor-fold>

private void btnSegitigaActionPerformed(java.awt.event.ActionEvent evt) {

LuasSegitiga obj = new LuasSegitiga();

obj.setVisible(true);

dispose();

}

private void btnPersegiPanjangActionPerformed(java.awt.event.ActionEvent evt) {

LuasPersegiPanjang obj = new LuasPersegiPanjang();

obj.setVisible(true);

dispose();

}

private void btnPersegiPanjangKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode()== 0x0A){

LuasPersegiPanjang obj = new LuasPersegiPanjang();

obj.setVisible(true);

dispose();

}

}

private void btnSegitigaKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode()== 0x0A){

LuasSegitiga obj = new LuasSegitiga();

obj.setVisible(true);

dispose();

}

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(TugasLuas.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(TugasLuas.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(TugasLuas.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(TugasLuas.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new TugasLuas().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnPersegiPanjang;

private javax.swing.JButton btnSegitiga;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JLabel lblJudul;

private javax.swing.JLabel lblNamaFile;

private javax.swing.JLabel lblOpsi;

// End of variables declaration

}

* + 1. Screenshot:



* 1. Form2:
     1. Source Code:

/\*

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\*/

package gui.tugasluas;

import javax.swing.JOptionPane;

/\*\*

\*

\* @author prame

\*/

public class LuasPersegiPanjang extends javax.swing.JFrame {

/\*\*

\* Creates new form LuasPersegiPanjang

\*/

public LuasPersegiPanjang() {

initComponents();

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jPanel2 = new javax.swing.JPanel();

btnProses = new javax.swing.JButton();

btnBersihkan = new javax.swing.JButton();

btnBeranda = new javax.swing.JButton();

lblNamaFile = new javax.swing.JLabel();

btnSelesai = new javax.swing.JButton();

lblJudul = new javax.swing.JLabel();

lblSubJudul = new javax.swing.JLabel();

pnlInput = new javax.swing.JPanel();

lblPanjang = new javax.swing.JLabel();

lblLebar = new javax.swing.JLabel();

lblLuasPersegiPanjang = new javax.swing.JLabel();

fldPanjang = new javax.swing.JTextField();

fldLebar = new javax.swing.JTextField();

fldLuasPersegiPanjang = new javax.swing.JTextField();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jPanel1.setBackground(new java.awt.Color(255, 204, 51));

jPanel2.setBackground(new java.awt.Color(255, 255, 255));

btnProses.setBackground(new java.awt.Color(255, 204, 51));

btnProses.setFont(new java.awt.Font("Hack", 0, 18)); // NOI18N

btnProses.setText("PROSES");

btnProses.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnProsesActionPerformed(evt);

}

});

btnProses.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

btnProsesKeyPressed(evt);

}

});

btnBersihkan.setBackground(new java.awt.Color(255, 204, 51));

btnBersihkan.setFont(new java.awt.Font("Hack", 0, 18)); // NOI18N

btnBersihkan.setText("BERSIHKAN");

btnBersihkan.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnBersihkanActionPerformed(evt);

}

});

btnBersihkan.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

btnBersihkanKeyPressed(evt);

}

});

btnBeranda.setBackground(new java.awt.Color(255, 204, 51));

btnBeranda.setFont(new java.awt.Font("Hack", 0, 18)); // NOI18N

btnBeranda.setText("BERANDA");

btnBeranda.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnBerandaActionPerformed(evt);

}

});

btnBeranda.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

btnBerandaKeyPressed(evt);

}

});

lblNamaFile.setFont(new java.awt.Font("Hack", 0, 8)); // NOI18N

lblNamaFile.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

lblNamaFile.setText("LuasPersegiPanjang.java");

btnSelesai.setBackground(new java.awt.Color(255, 204, 51));

btnSelesai.setFont(new java.awt.Font("Hack", 0, 18)); // NOI18N

btnSelesai.setText("SELESAI");

btnSelesai.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnSelesaiActionPerformed(evt);

}

});

btnSelesai.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

btnSelesaiKeyPressed(evt);

}

});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap()

.addComponent(lblNamaFile, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(32, 32, 32)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(btnBeranda, javax.swing.GroupLayout.DEFAULT\_SIZE, 221, Short.MAX\_VALUE)

.addComponent(btnBersihkan, javax.swing.GroupLayout.DEFAULT\_SIZE, 221, Short.MAX\_VALUE)

.addComponent(btnProses, javax.swing.GroupLayout.DEFAULT\_SIZE, 221, Short.MAX\_VALUE)

.addComponent(btnSelesai, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addContainerGap(47, Short.MAX\_VALUE))

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(48, 48, 48)

.addComponent(btnBeranda)

.addGap(112, 112, 112)

.addComponent(btnProses)

.addGap(18, 18, 18)

.addComponent(btnBersihkan)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(btnSelesai)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(lblNamaFile)

.addContainerGap())

);

lblJudul.setFont(new java.awt.Font("Hack", 1, 36)); // NOI18N

lblJudul.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

lblJudul.setText("PROGRAM PENCARI LUAS");

lblJudul.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);

lblSubJudul.setFont(new java.awt.Font("Hack", 0, 18)); // NOI18N

lblSubJudul.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

lblSubJudul.setText("PERSEGI PANJANG");

lblSubJudul.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);

pnlInput.setBackground(new java.awt.Color(255, 204, 51));

pnlInput.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0))), "Input", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Hack", 0, 18))); // NOI18N

lblPanjang.setFont(new java.awt.Font("Hack", 0, 14)); // NOI18N

lblPanjang.setText("Panjang :");

lblLebar.setFont(new java.awt.Font("Hack", 0, 14)); // NOI18N

lblLebar.setText("Lebar :");

lblLuasPersegiPanjang.setFont(new java.awt.Font("Hack", 0, 14)); // NOI18N

lblLuasPersegiPanjang.setText("Luas Persegi Panjang :");

fldPanjang.setFont(new java.awt.Font("Hack", 0, 14)); // NOI18N

fldPanjang.addFocusListener(new java.awt.event.FocusAdapter() {

public void focusLost(java.awt.event.FocusEvent evt) {

fldPanjangFocusLost(evt);

}

});

fldPanjang.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

fldPanjangActionPerformed(evt);

}

});

fldPanjang.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

fldPanjangKeyPressed(evt);

}

});

fldLebar.setFont(new java.awt.Font("Hack", 0, 14)); // NOI18N

fldLebar.addFocusListener(new java.awt.event.FocusAdapter() {

public void focusLost(java.awt.event.FocusEvent evt) {

fldLebarFocusLost(evt);

}

});

fldLebar.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

fldLebarKeyPressed(evt);

}

});

fldLuasPersegiPanjang.setEditable(false);

fldLuasPersegiPanjang.setFont(new java.awt.Font("Hack", 0, 14)); // NOI18N

fldLuasPersegiPanjang.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

fldLuasPersegiPanjangActionPerformed(evt);

}

});

javax.swing.GroupLayout pnlInputLayout = new javax.swing.GroupLayout(pnlInput);

pnlInput.setLayout(pnlInputLayout);

pnlInputLayout.setHorizontalGroup(

pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(pnlInputLayout.createSequentialGroup()

.addGap(28, 28, 28)

.addGroup(pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(pnlInputLayout.createSequentialGroup()

.addGroup(pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(lblLuasPersegiPanjang, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(lblLebar, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(fldLebar, javax.swing.GroupLayout.PREFERRED\_SIZE, 350, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(fldLuasPersegiPanjang, javax.swing.GroupLayout.PREFERRED\_SIZE, 350, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(pnlInputLayout.createSequentialGroup()

.addComponent(lblPanjang, javax.swing.GroupLayout.PREFERRED\_SIZE, 212, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(fldPanjang, javax.swing.GroupLayout.PREFERRED\_SIZE, 350, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(130, Short.MAX\_VALUE))

);

pnlInputLayout.setVerticalGroup(

pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(pnlInputLayout.createSequentialGroup()

.addGap(40, 40, 40)

.addGroup(pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(lblPanjang, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(fldPanjang, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(49, 49, 49)

.addGroup(pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(lblLebar, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(fldLebar, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 111, Short.MAX\_VALUE)

.addGroup(pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(lblLuasPersegiPanjang, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(fldLuasPersegiPanjang, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(43, 43, 43))

);

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(38, 38, 38)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(lblJudul, javax.swing.GroupLayout.PREFERRED\_SIZE, 702, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(lblSubJudul, javax.swing.GroupLayout.PREFERRED\_SIZE, 702, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(20, 20, 20)

.addComponent(pnlInput, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(0, 16, Short.MAX\_VALUE))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel2, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(29, 29, 29)

.addComponent(lblJudul, javax.swing.GroupLayout.PREFERRED\_SIZE, 45, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(lblSubJudul, javax.swing.GroupLayout.PREFERRED\_SIZE, 45, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(pnlInput, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(211, Short.MAX\_VALUE))

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

pack();

}// </editor-fold>

private void btnProsesActionPerformed(java.awt.event.ActionEvent evt) {

prosesHitungLuas();

}

private void btnBersihkanActionPerformed(java.awt.event.ActionEvent evt) {

fldPanjang.setText("");

fldLebar.setText("");

fldPanjang.requestFocus();

}

private void btnBerandaActionPerformed(java.awt.event.ActionEvent evt) {

TugasLuas obj = new TugasLuas();

obj.setVisible(true);

dispose();

}

private void fldLuasPersegiPanjangActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void fldPanjangActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void fldPanjangKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode() == 0x0A ){

fldLebar.requestFocus();

}

}

private void fldPanjangFocusLost(java.awt.event.FocusEvent evt) {

float pjg;

try{

pjg = Float.parseFloat(fldPanjang.getText());

}

catch(Throwable t){

JOptionPane.showMessageDialog(null, "Nilai non numerik, " + "silahkan dilengkapi", "Ada Kesalahan",1);

fldPanjang.requestFocus();

}

}

private void fldLebarFocusLost(java.awt.event.FocusEvent evt) {

float lbr;

try{

lbr = Float.parseFloat(fldLebar.getText());

}

catch(Throwable t){

JOptionPane.showMessageDialog(null, "Nilai non numerik, " + "silahkan dilengkapi", "Ada Kesalahan",1);

fldLebar.requestFocus();

}

}

private void fldLebarKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode() == 0x0A ){

btnProses.requestFocus();

}

}

private void btnProsesKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode()== 0x0A){

prosesHitungLuas();

}

}

private void btnBersihkanKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode()== 0x0A){

fldPanjang.setText("");

fldLebar.setText("");

fldPanjang.requestFocus();

}

}

private void btnBerandaKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode() == 0x0A ){

TugasLuas obj = new TugasLuas();

obj.setVisible(true);

dispose();

}

}

private void btnSelesaiActionPerformed(java.awt.event.ActionEvent evt) {

System.exit(0);

}

private void btnSelesaiKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode() == 0x0A ){

System.exit(0);

}

}

private float hitungLuas(float panjang, float lebar) {

return (panjang\*lebar);

}

private void prosesHitungLuas() {

float panjang, lebar, luas;

try{

panjang = Float.parseFloat(fldPanjang.getText());

lebar = Float.parseFloat(fldLebar.getText());

luas = hitungLuas(panjang,lebar);

fldLuasPersegiPanjang.setText(String.valueOf(luas));

} catch(Throwable t) {

JOptionPane.showMessageDialog(null,"Nilai bukan numerik, " + "silahkan diperbaiki untuk bisa diproses");

}

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(LuasPersegiPanjang.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(LuasPersegiPanjang.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(LuasPersegiPanjang.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(LuasPersegiPanjang.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new LuasPersegiPanjang().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnBeranda;

private javax.swing.JButton btnBersihkan;

private javax.swing.JButton btnProses;

private javax.swing.JButton btnSelesai;

private javax.swing.JTextField fldLebar;

private javax.swing.JTextField fldLuasPersegiPanjang;

private javax.swing.JTextField fldPanjang;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JLabel lblJudul;

private javax.swing.JLabel lblLebar;

private javax.swing.JLabel lblLuasPersegiPanjang;

private javax.swing.JLabel lblNamaFile;

private javax.swing.JLabel lblPanjang;

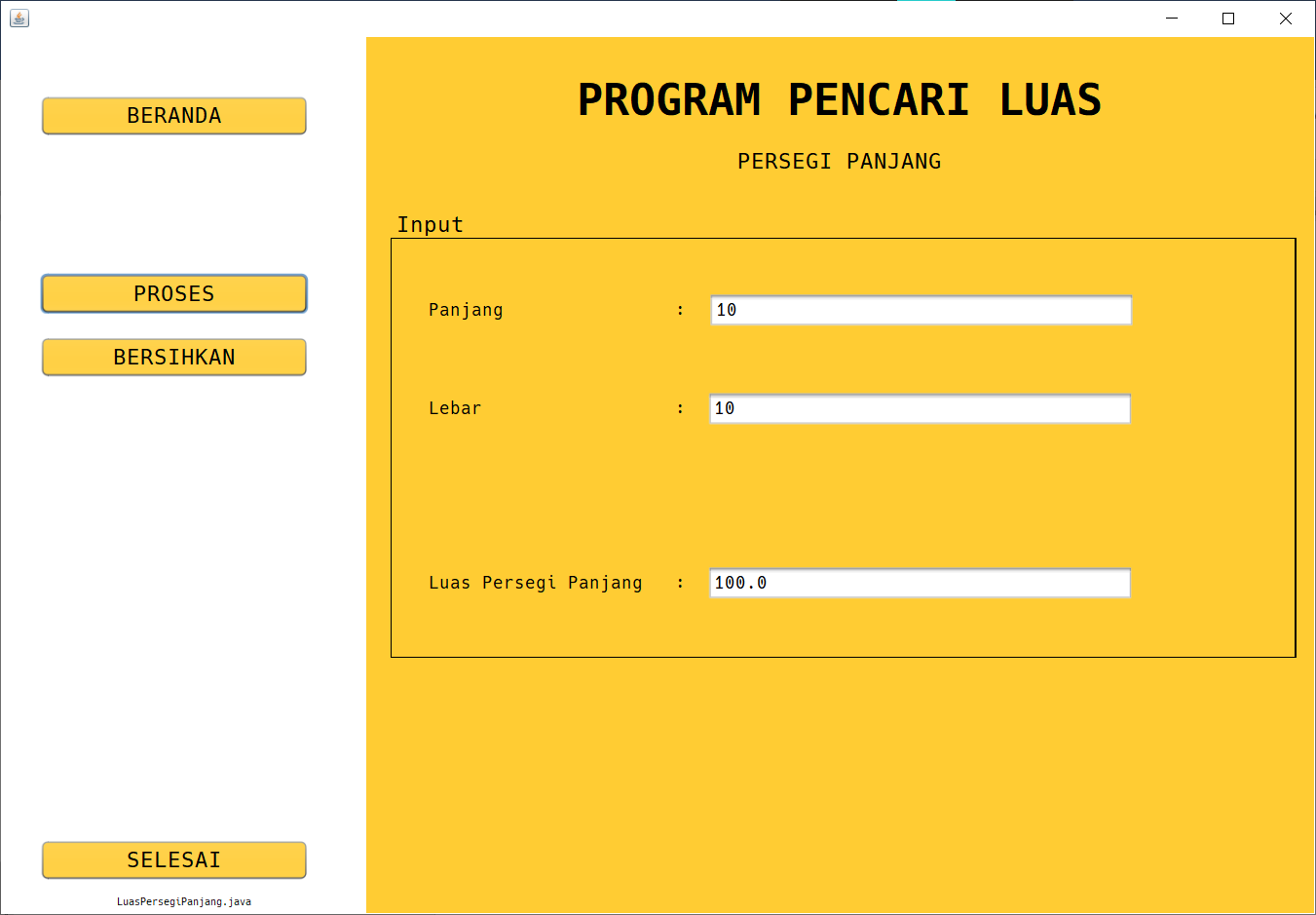
private javax.swing.JLabel lblSubJudul;

private javax.swing.JPanel pnlInput;

// End of variables declaration

}

* + 1. Screenshot:



* 1. Form3:
     1. Source Code:

/\*

\* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license

\* Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template

\*/

package gui.tugasluas;

import javax.swing.JOptionPane;

/\*\*

\*

\* @author prame

\*/

public class LuasSegitiga extends javax.swing.JFrame {

/\*\*

\* Creates new form LuasSegitiga

\*/

public LuasSegitiga() {

initComponents();

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jPanel2 = new javax.swing.JPanel();

btnProses = new javax.swing.JButton();

btnBersihkan = new javax.swing.JButton();

btnBeranda = new javax.swing.JButton();

lblNamaFile = new javax.swing.JLabel();

btnSelesai = new javax.swing.JButton();

lblJudul = new javax.swing.JLabel();

lblSubJudul = new javax.swing.JLabel();

pnlInput = new javax.swing.JPanel();

lblAlas = new javax.swing.JLabel();

lblTinggi = new javax.swing.JLabel();

lblLuasSegitiga = new javax.swing.JLabel();

fldAlas = new javax.swing.JTextField();

fldTinggi = new javax.swing.JTextField();

fldLuasSegitiga = new javax.swing.JTextField();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jPanel1.setBackground(new java.awt.Color(255, 204, 51));

jPanel2.setBackground(new java.awt.Color(255, 255, 255));

btnProses.setBackground(new java.awt.Color(255, 204, 51));

btnProses.setFont(new java.awt.Font("Hack", 0, 18)); // NOI18N

btnProses.setText("PROSES");

btnProses.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnProsesActionPerformed(evt);

}

});

btnProses.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

btnProsesKeyPressed(evt);

}

});

btnBersihkan.setBackground(new java.awt.Color(255, 204, 51));

btnBersihkan.setFont(new java.awt.Font("Hack", 0, 18)); // NOI18N

btnBersihkan.setText("BERSIHKAN");

btnBersihkan.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnBersihkanActionPerformed(evt);

}

});

btnBersihkan.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

btnBersihkanKeyPressed(evt);

}

});

btnBeranda.setBackground(new java.awt.Color(255, 204, 51));

btnBeranda.setFont(new java.awt.Font("Hack", 0, 18)); // NOI18N

btnBeranda.setText("BERANDA");

btnBeranda.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnBerandaActionPerformed(evt);

}

});

btnBeranda.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

btnBerandaKeyPressed(evt);

}

});

lblNamaFile.setFont(new java.awt.Font("Hack", 0, 8)); // NOI18N

lblNamaFile.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

lblNamaFile.setText("LuasSegitiga.java");

btnSelesai.setBackground(new java.awt.Color(255, 204, 51));

btnSelesai.setFont(new java.awt.Font("Hack", 0, 18)); // NOI18N

btnSelesai.setText("SELESAI");

btnSelesai.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnSelesaiActionPerformed(evt);

}

});

btnSelesai.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

btnSelesaiKeyPressed(evt);

}

});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap()

.addComponent(lblNamaFile, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(32, 32, 32)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(btnBeranda, javax.swing.GroupLayout.DEFAULT\_SIZE, 221, Short.MAX\_VALUE)

.addComponent(btnBersihkan, javax.swing.GroupLayout.DEFAULT\_SIZE, 221, Short.MAX\_VALUE)

.addComponent(btnProses, javax.swing.GroupLayout.DEFAULT\_SIZE, 221, Short.MAX\_VALUE)

.addComponent(btnSelesai, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(0, 41, Short.MAX\_VALUE)))

.addContainerGap())

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(48, 48, 48)

.addComponent(btnBeranda)

.addGap(112, 112, 112)

.addComponent(btnProses)

.addGap(18, 18, 18)

.addComponent(btnBersihkan)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(btnSelesai)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(lblNamaFile)

.addContainerGap())

);

lblJudul.setFont(new java.awt.Font("Hack", 1, 36)); // NOI18N

lblJudul.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

lblJudul.setText("PROGRAM PENCARI LUAS");

lblJudul.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);

lblSubJudul.setFont(new java.awt.Font("Hack", 0, 18)); // NOI18N

lblSubJudul.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

lblSubJudul.setText("SEGITIGA");

lblSubJudul.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);

pnlInput.setBackground(new java.awt.Color(255, 204, 51));

pnlInput.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0))), "Input", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Hack", 0, 18))); // NOI18N

lblAlas.setFont(new java.awt.Font("Hack", 0, 14)); // NOI18N

lblAlas.setText("Alas :");

lblTinggi.setFont(new java.awt.Font("Hack", 0, 14)); // NOI18N

lblTinggi.setText("Tinggi :");

lblLuasSegitiga.setFont(new java.awt.Font("Hack", 0, 14)); // NOI18N

lblLuasSegitiga.setText("Luas Segitiga :");

fldAlas.setFont(new java.awt.Font("Hack", 0, 14)); // NOI18N

fldAlas.addFocusListener(new java.awt.event.FocusAdapter() {

public void focusLost(java.awt.event.FocusEvent evt) {

fldAlasFocusLost(evt);

}

});

fldAlas.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

fldAlasActionPerformed(evt);

}

});

fldAlas.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

fldAlasKeyPressed(evt);

}

});

fldTinggi.setFont(new java.awt.Font("Hack", 0, 14)); // NOI18N

fldTinggi.addFocusListener(new java.awt.event.FocusAdapter() {

public void focusLost(java.awt.event.FocusEvent evt) {

fldTinggiFocusLost(evt);

}

});

fldTinggi.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

fldTinggiKeyPressed(evt);

}

});

fldLuasSegitiga.setEditable(false);

fldLuasSegitiga.setFont(new java.awt.Font("Hack", 0, 14)); // NOI18N

javax.swing.GroupLayout pnlInputLayout = new javax.swing.GroupLayout(pnlInput);

pnlInput.setLayout(pnlInputLayout);

pnlInputLayout.setHorizontalGroup(

pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(pnlInputLayout.createSequentialGroup()

.addGap(28, 28, 28)

.addGroup(pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(pnlInputLayout.createSequentialGroup()

.addGroup(pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(lblLuasSegitiga, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(lblTinggi, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(fldTinggi, javax.swing.GroupLayout.PREFERRED\_SIZE, 350, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(fldLuasSegitiga, javax.swing.GroupLayout.PREFERRED\_SIZE, 350, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(pnlInputLayout.createSequentialGroup()

.addComponent(lblAlas, javax.swing.GroupLayout.PREFERRED\_SIZE, 212, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(fldAlas, javax.swing.GroupLayout.PREFERRED\_SIZE, 350, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(130, Short.MAX\_VALUE))

);

pnlInputLayout.setVerticalGroup(

pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(pnlInputLayout.createSequentialGroup()

.addGap(40, 40, 40)

.addGroup(pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(lblAlas, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(fldAlas, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(49, 49, 49)

.addGroup(pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(lblTinggi, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(fldTinggi, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 111, Short.MAX\_VALUE)

.addGroup(pnlInputLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(lblLuasSegitiga, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(fldLuasSegitiga, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(43, 43, 43))

);

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(38, 38, 38)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(lblJudul, javax.swing.GroupLayout.PREFERRED\_SIZE, 702, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(lblSubJudul, javax.swing.GroupLayout.PREFERRED\_SIZE, 702, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(20, 20, 20)

.addComponent(pnlInput, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(0, 16, Short.MAX\_VALUE))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel2, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(29, 29, 29)

.addComponent(lblJudul, javax.swing.GroupLayout.PREFERRED\_SIZE, 45, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(lblSubJudul, javax.swing.GroupLayout.PREFERRED\_SIZE, 45, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(pnlInput, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(211, Short.MAX\_VALUE))

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

pack();

}// </editor-fold>

private void btnProsesActionPerformed(java.awt.event.ActionEvent evt) {

prosesHitungLuas();

}

private void btnBersihkanActionPerformed(java.awt.event.ActionEvent evt) {

fldAlas.setText("");

fldTinggi.setText("");

fldAlas.requestFocus();

}

private void btnBerandaActionPerformed(java.awt.event.ActionEvent evt) {

TugasLuas obj = new TugasLuas();

obj.setVisible(true);

dispose();

}

private void fldAlasActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void fldAlasKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode() == 0x0A ){

fldTinggi.requestFocus();

}

}

private void fldAlasFocusLost(java.awt.event.FocusEvent evt) {

float alas;

try{

alas = Float.parseFloat(fldAlas.getText());

}

catch(Throwable t){

JOptionPane.showMessageDialog(null, "Nilai non numerik, " + "silahkan dilengkapi", "Ada Kesalahan",1);

fldAlas.requestFocus();

}

}

private void fldTinggiFocusLost(java.awt.event.FocusEvent evt) {

float tinggi;

try{

tinggi = Float.parseFloat(fldTinggi.getText());

}

catch(Throwable t){

JOptionPane.showMessageDialog(null, "Nilai non numerik, " + "silahkan dilengkapi", "Ada Kesalahan",1);

fldTinggi.requestFocus();

}

}

private void fldTinggiKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode() == 0x0A ){

btnProses.requestFocus();

}

}

private void btnProsesKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode() == 0x0A ){

prosesHitungLuas();

}

}

private void btnBersihkanKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode() == 0x0A ){

fldAlas.setText("");

fldTinggi.setText("");

fldAlas.requestFocus();

}

}

private void btnBerandaKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode() == 0x0A ){

TugasLuas obj = new TugasLuas();

obj.setVisible(true);

dispose();

}

}

private void btnSelesaiActionPerformed(java.awt.event.ActionEvent evt) {

System.exit(0);

}

private void btnSelesaiKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode() == 0x0A ){

System.exit(0);

}

}

private float hitungLuas(float alas, float tinggi) {

return (alas\*tinggi)/2;

}

private void prosesHitungLuas() {

float alas, tinggi, luas;

try{

alas = Float.parseFloat(fldAlas.getText());

tinggi = Float.parseFloat(fldTinggi.getText());

luas = hitungLuas(alas,tinggi);

fldLuasSegitiga.setText(String.valueOf(luas));

} catch(Throwable t) {

JOptionPane.showMessageDialog(null,"Nilai bukan numerik, " + "silahkan diperbaiki untuk bisa diproses");

}

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(LuasSegitiga.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(LuasSegitiga.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(LuasSegitiga.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(LuasSegitiga.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new LuasSegitiga().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnBeranda;

private javax.swing.JButton btnBersihkan;

private javax.swing.JButton btnProses;

private javax.swing.JButton btnSelesai;

private javax.swing.JTextField fldAlas;

private javax.swing.JTextField fldLuasSegitiga;

private javax.swing.JTextField fldTinggi;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JLabel lblAlas;

private javax.swing.JLabel lblJudul;

private javax.swing.JLabel lblLuasSegitiga;

private javax.swing.JLabel lblNamaFile;

private javax.swing.JLabel lblSubJudul;

private javax.swing.JLabel lblTinggi;

private javax.swing.JPanel pnlInput;

// End of variables declaration

}

* + 1. Screenshot:

