**PEMROGRAMAN BERBASIS WEB**

**(UAS)**

****

**Disusun Oleh:**

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**PROGRAM STUDI S-1 TEKNIK INFORMATIKA**

**FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM**

**UNIVERSITAS PADJADJARAN**

**JATINANGOR**

**2022**

1. Source Code:

* Class: Koneksi

/\*

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

\* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template

\*/

package Class;

/\*\*

\*

\* @author prame

\*/

import java.sql.Connection;

import java.sql.Statement;

import java.sql.ResultSet;

import java.sql.DriverManager;

import javax.swing.JOptionPane;

public class Koneksi {

// <editor-fold defaultstate="collapsed" desc="Koneksi v1">

// private String user ;

// private String pwd ; //password koneksi database, tidak ada maka kosong

// private String host ;

// private String db ; //ganti dan isi dgn nama database

// private String url;

// private Statement st = null;

// private Connection con = null;

// private ResultSet rs = null;

//

// public Koneksi(){

// user = "root";

// pwd = "";

// host = "localhost";

// db = "akademik";

// url = "jdbc:mysql//localhost/akademik";

// try{

// Class.forName("com.mysql.jdbc.Driver");

// }

// catch(ClassNotFoundException e){

// JOptionPane.showMessageDialog(null, "Ada kesalahan Driver JDBC " + "tidak barhasil Load");

// }

// try{

// url = "jdbc:mysql://" + host + "/" + db;

// con = (Connection) DriverManager.getConnection(url,user,pwd);

//// JOptionPane.showMessageDialog(null, "Driver Terhubung.");

// }

// catch (SQLException se){

// JOptionPane.showMessageDialog(null, "Perintah salah.");

// }

// catch(Exception ex){

// JOptionPane.showMessageDialog(null, "Driver tidak Terhubung");

// }

// }

//

// public ResultSet getData(String SQLString){

// try {

// st = (Statement) con.createStatement();

// rs = st.executeQuery(SQLString);

// } catch(Exception e){

// JOptionPane.showMessageDialog(null, "Error:" + e.getMessage(),

// "Communication Error", JOptionPane.WARNING\_MESSAGE);

// }

// return rs;

// }

//

// public void query(String SQLString){

// int hsl;

// try{

// st = (Statement) con.createStatement();

// hsl = st.executeUpdate(SQLString);

// } catch(Exception e){

// JOptionPane.showMessageDialog(null, "Error:" + e.getMessage(),

// "Communication Error", JOptionPane.WARNING\_MESSAGE);

// }

// }

// </editor-fold>

private String dbuser = "root";

private String dbpasswd = "";

private Statement stmt = null;

private Connection con = null;

private ResultSet rs = null;

public Koneksi(){

try{

Class.forName("com.mysql.jdbc.Driver");

}

catch(Exception e){

JOptionPane.showMessageDialog(null, "" + e.getMessage(),

"JDBC Driver Error",

JOptionPane.WARNING\_MESSAGE);

}

try{

con = (Connection)DriverManager.getConnection("jdbc:mysql://localhost/uas\_akademik",

dbuser,

dbpasswd);

stmt = (Statement) con.createStatement();

}

catch(Exception e){

JOptionPane.showMessageDialog(null, "" + e.getMessage(),

"Connection Error",

JOptionPane.WARNING\_MESSAGE);

}

}

public ResultSet getData(String SQLString){

try{

rs = stmt.executeQuery(SQLString);

}

catch(Exception e){

JOptionPane.showMessageDialog(null, "Error:" + e.getMessage(),

"Communication Error",

JOptionPane.WARNING\_MESSAGE);

}

return rs;

}

public void query(String SQLString){

try{

stmt.executeUpdate(SQLString);

}

catch(Exception e){

JOptionPane.showMessageDialog(null, "Error:" + e.getMessage(),

"Communication Error",

JOptionPane.WARNING\_MESSAGE);

}

}

}

* Class: Kuliah

/\*

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

\* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template

\*/

package Class;

import java.sql.\*;

/\*\*

\*

\* @author prame

\*/

public class Kuliah {

private String kode;

private String nama;

private int sks;

private int semester;

public Kuliah() {

this.kode = null;

this.nama = null;

this.sks = 0;

this.semester = 0;

}

public String getKode() {

return kode;

}

public void setKode(String kode) {

this.kode = kode;

}

public String getNama() {

return nama;

}

public void setNama(String nama) {

this.nama = nama;

}

public int getSks() {

return sks;

}

public void setSks(int sks) {

this.sks = sks;

}

public int getSemester() {

return semester;

}

public void setSemester(int semester) {

this.semester = semester;

}

public void insertKuliah(){

Koneksi kon = new Koneksi();

String s = "INSERT INTO kuliah VALUES('" +

this.kode + "','" +

this.nama + "', '"+

this.sks + "', '"+

this.semester + "')";

kon.query(s);

}

public void updateKuliah(){

Koneksi kon = new Koneksi();

String s = "UPDATE kuliah SET kode\_kul = '" + this.kode +

"', nama\_kul = '" + this.nama +

"', sks = '" + this.sks +

"', semester = '" + this.semester +

"' WHERE kode\_kul = '" + this.kode + "'";

kon.query(s);

}

public void deleteKuliah(){

Koneksi kon = new Koneksi();

String s = "DELETE FROM kuliah WHERE kode\_kul = '"+ this.kode+ "'";

kon.query(s);

}

public ResultSet getKuliah(){

ResultSet r = null;

Koneksi kon = new Koneksi();

String s = "INSERT INTO kuliah VALUES('" +

this.kode + "','" +

this.nama + "', '"+

this.sks + "', '"+

this.semester + "')";

kon.query(s);

return r;

}

}

* Class: Mahasiswa

/\*

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

\* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template

\*/

package Class;

import java.sql.\*;

/\*\*

\*

\* @author prame

\*/

public class Mahasiswa {

private String npm;

private String nama;

private String jk;

private String tgl; private String bln; private String thn;

private String telp;

private String alamat;

public Mahasiswa() {

this.npm = null;

this.nama = null;

this.jk = null;

this.tgl = null;

this.bln = null;

this.thn = null;

this.telp = null;

this.alamat = null;

}

public void setNpm(String npm){

this.npm = npm;

}

public void setNama(String nama){

this.nama = nama;

}

public void setJk(String jk){

this.jk = jk;

}

public void setTgl(String tgl){

this.tgl = tgl;

}

public void setBln(String bln){

this.bln = bln;

}

public void setThn(String thn){

this.thn = thn;

}

public void setTelp(String telp){

this.telp = telp;

}

public void setAlamat(String alamat){

this.alamat = alamat;

}

public String getNpm(String npm){

return this.npm;

}

public String getNama(String nama){

return this.nama;

}

public String getJk(String jk){

return this.jk;

}

public String getTgl(String tgl){

return this.tgl;

}

public String getBln(){

return this.bln;

}

public String getThn(){

return this.thn;

}

public String getTelp(String telp){

return this.telp;

}

public String getAlamat(String alamat){

return this.alamat;

}

public void insertMahasiswa(){

Koneksi kon = new Koneksi();

String s = "INSERT INTO mahasiswa VALUES ('" +

this.npm + "', '" +

this.nama + "', '" +

this.jk + "', '" +

this.thn + "-" + this.bln + "-" + this.tgl + "', '" +

this.telp + "', '" +

this.alamat + "')";

kon.query(s);

}

public void updateMahasiswa(){

Koneksi kon = new Koneksi();

String s = "UPDATE mahasiswa SET npm = '" + this.npm +

"', nama\_mhs = '" + this.nama +

"', jenis\_kelamin = '" + this.jk +

"', tgl\_lahir = '" + this.thn + "-" + this.bln + "-" + this.tgl +

"', no\_telp = '" + this.telp +

"', alamat = '" + this.alamat +

"' WHERE npm = '" + this.npm + "'";

kon.query(s);

}

public void deleteMahasiswa(){

Koneksi kon = new Koneksi();

String s = "DELETE FROM mahasiswa WHERE npm = '" + this.npm + "'";

kon.query(s);

}

public ResultSet getMahasiswa(){

ResultSet r = null;

Koneksi kon = new Koneksi();

String s = "INSERT INTO mahasiswa VALUES ('" +

this.npm + "', '" +

this.nama + "', '" +

this.jk + "', '" +

this.thn + "-" + this.bln + "-" + this.tgl + "', '" +

this.telp + "', '" +

this.alamat + ")";

kon.query(s);

return r;

}

}

* Class: Nilai

/\*

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\* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template

\*/

package Class;

import java.sql.ResultSet;

/\*\*

\*

\* @author prame

\*/

public class Nilai {

private String npm;

private String kode;

private int nilai;

public Nilai() {

this.npm = null;

this.kode = null;

this.nilai = 0;

}

public String getNpm() {

return npm;

}

public void setNpm(String npm) {

this.npm = npm;

}

public String getKode() {

return kode;

}

public void setKode(String kode) {

this.kode = kode;

}

public int getNilai() {

return nilai;

}

public void setNilai(int nilai) {

this.nilai = nilai;

}

public void insertNilai(){

Koneksi kon = new Koneksi();

String s = "INSERT INTO nilai\_kuliah VALUES('" +

this.npm + "','" +

this.kode + "', '"+

this.nilai + "')";

kon.query(s);

}

public void updateNilai(){

Koneksi kon = new Koneksi();

String s = "UPDATE nilai\_kuliah SET kode\_kul = '" + this.kode +

"', npm = '" + this.npm +

"', nilai = '" + this.nilai +

"' WHERE kode\_kul = '" + this.kode +

"' AND npm = '" + this.npm + "'";

kon.query(s);

}

public void deleteNilai(){

Koneksi kon = new Koneksi();

String s = "DELETE FROM nilai\_kuliah WHERE kode\_kul = '"+ this.kode+

"' AND npm = '" + this.npm + "'";

kon.query(s);

}

public ResultSet Nilai(){

ResultSet r = null;

Koneksi kon = new Koneksi();

String s = "INSERT INTO nilai\_kuliah VALUES('" +

this.npm + "','" +

this.kode + "', '"+

this.nilai + "')";

kon.query(s);

return r;

}

}

* GUI: Application

/\*

\* 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;

import Class.\*;

import java.sql.\*;

import java.util.logging.Level;

import java.util.logging.Logger;

/\*\*

\*

\* @author prame

\*/

public class Application extends javax.swing.JFrame {

/\*\*

\* Creates new form Application

\*/

public Application() {

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() {

jTabbedPane1 = new javax.swing.JTabbedPane();

jPanel1 = new javax.swing.JPanel();

jLabel2 = new javax.swing.JLabel();

jLabel1 = new javax.swing.JLabel();

jPanel2 = new javax.swing.JPanel();

jLabel7 = new javax.swing.JLabel();

nama\_input = new javax.swing.JTextField();

jLabel9 = new javax.swing.JLabel();

jScrollPane1 = new javax.swing.JScrollPane();

alamat\_input = new javax.swing.JTextArea();

telp\_input = new javax.swing.JTextField();

jLabel8 = new javax.swing.JLabel();

jLabel10 = new javax.swing.JLabel();

insertButton\_mhs = new javax.swing.JButton();

jLabel4 = new javax.swing.JLabel();

resetButton\_mhs = new javax.swing.JButton();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

npm\_input = new javax.swing.JTextField();

tgl\_input = new javax.swing.JComboBox<>();

bln\_input = new javax.swing.JComboBox<>();

thn\_input = new javax.swing.JTextField();

priaRadio\_input = new javax.swing.JRadioButton();

wanitaRadio\_input = new javax.swing.JRadioButton();

jPanel3 = new javax.swing.JPanel();

deleteButton\_mhs = new javax.swing.JButton();

jLabel17 = new javax.swing.JLabel();

jLabel18 = new javax.swing.JLabel();

updateButton\_mhs = new javax.swing.JButton();

npm\_cari = new javax.swing.JTextField();

jLabel19 = new javax.swing.JLabel();

jLabel15 = new javax.swing.JLabel();

searchButton\_mhs = new javax.swing.JButton();

npm\_hasil = new javax.swing.JTextField();

jLabel11 = new javax.swing.JLabel();

nama\_hasil = new javax.swing.JTextField();

jLabel12 = new javax.swing.JLabel();

jScrollPane2 = new javax.swing.JScrollPane();

alamat\_hasil = new javax.swing.JTextArea();

jLabel13 = new javax.swing.JLabel();

telp\_hasil = new javax.swing.JTextField();

jLabel14 = new javax.swing.JLabel();

tgl\_hasil = new javax.swing.JComboBox<>();

jLabel16 = new javax.swing.JLabel();

bln\_hasil = new javax.swing.JComboBox<>();

tahun\_hasil = new javax.swing.JTextField();

priaRadio\_hasil = new javax.swing.JRadioButton();

wanitaRadio\_hasil = new javax.swing.JRadioButton();

jPanel6 = new javax.swing.JPanel();

matkul\_input = new javax.swing.JTextField();

jLabel21 = new javax.swing.JLabel();

jLabel22 = new javax.swing.JLabel();

jLabel23 = new javax.swing.JLabel();

kode\_input = new javax.swing.JTextField();

semester\_input = new javax.swing.JTextField();

jLabel24 = new javax.swing.JLabel();

sks\_input = new javax.swing.JTextField();

insertButton\_kuliah = new javax.swing.JButton();

jLabel26 = new javax.swing.JLabel();

resetButton\_kuliah = new javax.swing.JButton();

jPanel7 = new javax.swing.JPanel();

searchButton\_kuliah = new javax.swing.JButton();

kode\_hasil = new javax.swing.JTextField();

jLabel28 = new javax.swing.JLabel();

jLabel30 = new javax.swing.JLabel();

updateButton\_kuliah = new javax.swing.JButton();

kode\_cari = new javax.swing.JTextField();

deleteButton\_kuliah = new javax.swing.JButton();

jLabel32 = new javax.swing.JLabel();

jLabel33 = new javax.swing.JLabel();

jLabel25 = new javax.swing.JLabel();

semester\_hasil = new javax.swing.JTextField();

jLabel27 = new javax.swing.JLabel();

matkul\_hasil = new javax.swing.JTextField();

jLabel29 = new javax.swing.JLabel();

sks\_hasil = new javax.swing.JTextField();

jPanel8 = new javax.swing.JPanel();

jLabel31 = new javax.swing.JLabel();

insertButton\_nilai = new javax.swing.JButton();

jLabel34 = new javax.swing.JLabel();

jLabel35 = new javax.swing.JLabel();

resetButton\_nilai = new javax.swing.JButton();

kode\_input\_nilai = new javax.swing.JTextField();

jLabel36 = new javax.swing.JLabel();

npm\_input\_nilai = new javax.swing.JTextField();

nilai\_input = new javax.swing.JTextField();

jPanel9 = new javax.swing.JPanel();

nilai\_hasil = new javax.swing.JTextField();

nama\_hasil\_nilai = new javax.swing.JTextField();

searchButton\_nilai = new javax.swing.JButton();

npm\_hasil\_nilai = new javax.swing.JTextField();

jLabel38 = new javax.swing.JLabel();

jLabel39 = new javax.swing.JLabel();

jLabel40 = new javax.swing.JLabel();

jLabel41 = new javax.swing.JLabel();

updateButton\_nilai = new javax.swing.JButton();

npm\_cari\_nilai = new javax.swing.JTextField();

deleteButton\_nilai = new javax.swing.JButton();

jLabel43 = new javax.swing.JLabel();

jLabel44 = new javax.swing.JLabel();

jLabel42 = new javax.swing.JLabel();

kode\_cari\_nilai = new javax.swing.JTextField();

jPanel10 = new javax.swing.JPanel();

jScrollPane3 = new javax.swing.JScrollPane();

table\_mahasiswa = new javax.swing.JTable();

jPanel4 = new javax.swing.JPanel();

jScrollPane4 = new javax.swing.JScrollPane();

table\_kuliah = new javax.swing.JTable();

jPanel5 = new javax.swing.JPanel();

jScrollPane6 = new javax.swing.JScrollPane();

table\_nilai = new javax.swing.JTable();

jPanel12 = new javax.swing.JPanel();

jLabel45 = new javax.swing.JLabel();

jScrollPane5 = new javax.swing.JScrollPane();

olahdata = new javax.swing.JTextArea();

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

addWindowListener(new java.awt.event.WindowAdapter() {

public void windowOpened(java.awt.event.WindowEvent evt) {

formWindowOpened(evt);

}

});

jTabbedPane1.setBackground(new java.awt.Color(255, 255, 255));

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

jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 75)); // NOI18N

jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel2.setText("Welcome To");

jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 75)); // NOI18N

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel1.setText("C-R-U-D Apps");

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addGap(0, 950, Short.MAX\_VALUE)

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(29, 29, 29)

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

.addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT\_SIZE, 891, Short.MAX\_VALUE)

.addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT\_SIZE, 891, Short.MAX\_VALUE))

.addGap(30, 30, 30)))

);

jPanel1Layout.setVerticalGroup(

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

.addGap(0, 589, Short.MAX\_VALUE)

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(201, 201, 201)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 90, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 90, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(202, Short.MAX\_VALUE)))

);

jTabbedPane1.addTab("Welcome", jPanel1);

jLabel7.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel7.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel7.setText("Alamat :");

jLabel9.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel9.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel9.setText("No. Telepon :");

alamat\_input.setColumns(20);

alamat\_input.setRows(5);

jScrollPane1.setViewportView(alamat\_input);

jLabel8.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel8.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel8.setText("Jenis Kelamin :");

jLabel10.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel10.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel10.setText("Tanggal Lahir :");

insertButton\_mhs.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

insertButton\_mhs.setText("INSERT");

insertButton\_mhs.addActionListener(new java.awt.event.ActionListener() {

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

insertButton\_mhsActionPerformed(evt);

}

});

jLabel4.setFont(new java.awt.Font("Segoe UI", 1, 48)); // NOI18N

jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

jLabel4.setText("INPUT DATA MAHASISWA");

resetButton\_mhs.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

resetButton\_mhs.setText("RESET");

resetButton\_mhs.addActionListener(new java.awt.event.ActionListener() {

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

resetButton\_mhsActionPerformed(evt);

}

});

jLabel5.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel5.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel5.setText("NPM :");

jLabel6.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel6.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel6.setText("Nama :");

tgl\_input.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "tanggal", "1", "2", "3", "4", "5", "6", "7", "8", "9", "10", "11", "12", "13", "14", "15", "16", "17", "18", "19", "20", "21", "22", "23", "24", "25", "26", "27", "28", "29", "30", "31" }));

bln\_input.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "bulan", "1", "2", "3", "4", "5", "6", "7", "8", "9", "10", "11", "12" }));

priaRadio\_input.setText("Laki-laki");

priaRadio\_input.addActionListener(new java.awt.event.ActionListener() {

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

priaRadio\_inputActionPerformed(evt);

}

});

wanitaRadio\_input.setText("Perempuan");

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(27, 27, 27)

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

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 844, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(38, 38, 38)

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(nama\_input, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(npm\_input, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(168, 168, 168)

.addComponent(insertButton\_mhs)

.addGap(18, 18, 18)

.addComponent(resetButton\_mhs))

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

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

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

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(telp\_input, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(tgl\_input, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(bln\_input, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(thn\_input))

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE)))))

.addContainerGap(79, Short.MAX\_VALUE))

);

jPanel2Layout.setVerticalGroup(

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 90, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

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

.addComponent(npm\_input, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE)

.addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

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

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

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(nama\_input, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE))

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

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

.addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(priaRadio\_input)

.addComponent(wanitaRadio\_input)))

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

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

.addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(tgl\_input)

.addComponent(bln\_input)

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

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

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

.addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(telp\_input, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE))

.addGap(12, 12, 12)

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

.addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 112, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

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

.addComponent(insertButton\_mhs)

.addComponent(resetButton\_mhs))

.addGap(111, 111, 111))

);

jTabbedPane1.addTab("Input Mahasiswa", jPanel2);

deleteButton\_mhs.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

deleteButton\_mhs.setText("DELETE");

deleteButton\_mhs.addActionListener(new java.awt.event.ActionListener() {

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

deleteButton\_mhsActionPerformed(evt);

}

});

jLabel17.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel17.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel17.setText("NPM :");

jLabel18.setFont(new java.awt.Font("Segoe UI", 1, 48)); // NOI18N

jLabel18.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

jLabel18.setText("CARI DATA MAHASISWA");

updateButton\_mhs.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

updateButton\_mhs.setText("UPDATE");

updateButton\_mhs.addActionListener(new java.awt.event.ActionListener() {

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

updateButton\_mhsActionPerformed(evt);

}

});

jLabel19.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel19.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel19.setText("NPM :");

jLabel15.setFont(new java.awt.Font("Segoe UI", 1, 48)); // NOI18N

jLabel15.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

jLabel15.setText("HASIL PENCARIAN :");

searchButton\_mhs.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

searchButton\_mhs.setText("SEARCH");

searchButton\_mhs.addActionListener(new java.awt.event.ActionListener() {

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

searchButton\_mhsActionPerformed(evt);

}

});

npm\_hasil.setEditable(false);

jLabel11.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel11.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel11.setText("Alamat :");

jLabel12.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel12.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel12.setText("No. Telepon :");

alamat\_hasil.setColumns(20);

alamat\_hasil.setRows(5);

jScrollPane2.setViewportView(alamat\_hasil);

jLabel13.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel13.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel13.setText("Nama :");

jLabel14.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel14.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel14.setText("Jenis Kelamin :");

tgl\_hasil.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "tanggal", "1", "2", "3", "4", "5", "6", "7", "8", "9", "10", "11", "12", "13", "14", "15", "16", "17", "18", "19", "20", "21", "22", "23", "24", "25", "26", "27", "28", "29", "30", "31" }));

jLabel16.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel16.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel16.setText("Tanggal Lahir :");

bln\_hasil.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "bulan", "1", "2", "3", "4", "5", "6", "7", "8", "9", "10", "11", "12" }));

priaRadio\_hasil.setText("Laki-laki");

priaRadio\_hasil.addActionListener(new java.awt.event.ActionListener() {

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

priaRadio\_hasilActionPerformed(evt);

}

});

wanitaRadio\_hasil.setText("Perempuan");

wanitaRadio\_hasil.addActionListener(new java.awt.event.ActionListener() {

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

wanitaRadio\_hasilActionPerformed(evt);

}

});

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

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

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

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(33, 33, 33)

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

.addComponent(jLabel18, javax.swing.GroupLayout.PREFERRED\_SIZE, 844, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel15, javax.swing.GroupLayout.PREFERRED\_SIZE, 844, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(38, 38, 38)

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

.addGroup(jPanel3Layout.createSequentialGroup()

.addComponent(jLabel19, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(npm\_cari, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(searchButton\_mhs))

.addGroup(jPanel3Layout.createSequentialGroup()

.addComponent(jLabel17, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(npm\_hasil, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addGroup(jPanel3Layout.createSequentialGroup()

.addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(nama\_hasil, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel3Layout.createSequentialGroup()

.addComponent(jLabel14, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

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

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

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

.addGroup(jPanel3Layout.createSequentialGroup()

.addComponent(jLabel12, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(telp\_hasil, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel3Layout.createSequentialGroup()

.addComponent(jLabel16, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(tgl\_hasil, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(bln\_hasil, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(tahun\_hasil))

.addGroup(jPanel3Layout.createSequentialGroup()

.addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

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

.addGroup(jPanel3Layout.createSequentialGroup()

.addComponent(updateButton\_mhs)

.addGap(18, 18, 18)

.addComponent(deleteButton\_mhs))

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE)))))))

.addContainerGap(73, Short.MAX\_VALUE))

);

jPanel3Layout.setVerticalGroup(

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

.addGroup(jPanel3Layout.createSequentialGroup()

.addComponent(jLabel18)

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

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

.addComponent(searchButton\_mhs)

.addComponent(jLabel19, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(npm\_cari, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addComponent(jLabel15)

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

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

.addComponent(npm\_hasil)

.addComponent(jLabel17, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(nama\_hasil, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE))

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

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

.addComponent(jLabel14, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(priaRadio\_hasil)

.addComponent(wanitaRadio\_hasil)))

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

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

.addComponent(jLabel16, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(tgl\_hasil)

.addComponent(bln\_hasil)

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

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

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

.addComponent(jLabel12, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(telp\_hasil, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE))

.addGap(12, 12, 12)

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

.addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 50, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

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

.addComponent(updateButton\_mhs)

.addComponent(deleteButton\_mhs))

.addGap(81, 81, 81))

);

jTabbedPane1.addTab("Edit Mahasiswa", jPanel3);

jLabel21.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel21.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel21.setText("Semester :");

jLabel22.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel22.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel22.setText("Kode Kuliah :");

jLabel23.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel23.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel23.setText("Nama Mata Kuliah :");

jLabel24.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel24.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel24.setText("SKS :");

insertButton\_kuliah.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

insertButton\_kuliah.setText("INSERT");

insertButton\_kuliah.addActionListener(new java.awt.event.ActionListener() {

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

insertButton\_kuliahActionPerformed(evt);

}

});

jLabel26.setFont(new java.awt.Font("Segoe UI", 1, 48)); // NOI18N

jLabel26.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

jLabel26.setText("INPUT DATA MATA KULIAH");

resetButton\_kuliah.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

resetButton\_kuliah.setText("RESET");

resetButton\_kuliah.addActionListener(new java.awt.event.ActionListener() {

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

resetButton\_kuliahActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel6Layout = new javax.swing.GroupLayout(jPanel6);

jPanel6.setLayout(jPanel6Layout);

jPanel6Layout.setHorizontalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel6Layout.createSequentialGroup()

.addGap(27, 27, 27)

.addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel26, javax.swing.GroupLayout.PREFERRED\_SIZE, 844, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel6Layout.createSequentialGroup()

.addGap(38, 38, 38)

.addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel6Layout.createSequentialGroup()

.addComponent(jLabel23, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(matkul\_input, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel6Layout.createSequentialGroup()

.addComponent(jLabel22, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(kode\_input, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel6Layout.createSequentialGroup()

.addGap(168, 168, 168)

.addComponent(insertButton\_kuliah)

.addGap(18, 18, 18)

.addComponent(resetButton\_kuliah))

.addGroup(jPanel6Layout.createSequentialGroup()

.addComponent(jLabel24, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(sks\_input, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel6Layout.createSequentialGroup()

.addComponent(jLabel21, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(semester\_input, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE)))))

.addContainerGap(79, Short.MAX\_VALUE))

);

jPanel6Layout.setVerticalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel6Layout.createSequentialGroup()

.addComponent(jLabel26, javax.swing.GroupLayout.PREFERRED\_SIZE, 90, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(kode\_input, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE)

.addComponent(jLabel22, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

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

.addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel23, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(matkul\_input, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE))

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

.addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel24, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(sks\_input, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE))

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

.addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel21, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(semester\_input, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(insertButton\_kuliah)

.addComponent(resetButton\_kuliah))

.addGap(277, 277, 277))

);

jTabbedPane1.addTab("Input Kuliah", jPanel6);

searchButton\_kuliah.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

searchButton\_kuliah.setText("SEARCH");

searchButton\_kuliah.addActionListener(new java.awt.event.ActionListener() {

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

searchButton\_kuliahActionPerformed(evt);

}

});

kode\_hasil.setEditable(false);

jLabel28.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel28.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel28.setText("Kode Kuliah :");

jLabel30.setFont(new java.awt.Font("Segoe UI", 1, 48)); // NOI18N

jLabel30.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

jLabel30.setText("CARI DATA MATA KULIAH");

updateButton\_kuliah.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

updateButton\_kuliah.setText("UPDATE");

updateButton\_kuliah.addActionListener(new java.awt.event.ActionListener() {

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

updateButton\_kuliahActionPerformed(evt);

}

});

kode\_cari.addActionListener(new java.awt.event.ActionListener() {

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

kode\_cariActionPerformed(evt);

}

});

deleteButton\_kuliah.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

deleteButton\_kuliah.setText("DELETE");

deleteButton\_kuliah.addActionListener(new java.awt.event.ActionListener() {

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

deleteButton\_kuliahActionPerformed(evt);

}

});

jLabel32.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel32.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel32.setText("Kode Kuliah :");

jLabel33.setFont(new java.awt.Font("Segoe UI", 1, 48)); // NOI18N

jLabel33.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

jLabel33.setText("HASIL PENCARIAN :");

jLabel25.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel25.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel25.setText("Nama Mata Kuliah :");

jLabel27.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel27.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel27.setText("SKS :");

jLabel29.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel29.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel29.setText("Semester :");

javax.swing.GroupLayout jPanel7Layout = new javax.swing.GroupLayout(jPanel7);

jPanel7.setLayout(jPanel7Layout);

jPanel7Layout.setHorizontalGroup(

jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel7Layout.createSequentialGroup()

.addGap(33, 33, 33)

.addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel30, javax.swing.GroupLayout.PREFERRED\_SIZE, 844, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel33, javax.swing.GroupLayout.PREFERRED\_SIZE, 844, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel7Layout.createSequentialGroup()

.addGap(38, 38, 38)

.addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel7Layout.createSequentialGroup()

.addComponent(jLabel32, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(kode\_cari, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(searchButton\_kuliah))

.addGroup(jPanel7Layout.createSequentialGroup()

.addComponent(jLabel28, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(kode\_hasil, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel7Layout.createSequentialGroup()

.addGap(168, 168, 168)

.addComponent(updateButton\_kuliah)

.addGap(18, 18, 18)

.addComponent(deleteButton\_kuliah))

.addGroup(jPanel7Layout.createSequentialGroup()

.addComponent(jLabel25, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(matkul\_hasil, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel7Layout.createSequentialGroup()

.addComponent(jLabel27, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(sks\_hasil, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel7Layout.createSequentialGroup()

.addComponent(jLabel29, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(semester\_hasil, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE)))))

.addContainerGap(73, Short.MAX\_VALUE))

);

jPanel7Layout.setVerticalGroup(

jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel7Layout.createSequentialGroup()

.addComponent(jLabel30)

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

.addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(searchButton\_kuliah)

.addComponent(jLabel32, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(kode\_cari, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addComponent(jLabel33)

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

.addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(kode\_hasil)

.addComponent(jLabel28, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel25, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(matkul\_hasil, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE))

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

.addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel27, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(sks\_hasil, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE))

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

.addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel29, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(semester\_hasil, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(updateButton\_kuliah)

.addComponent(deleteButton\_kuliah))

.addGap(185, 185, 185))

);

jTabbedPane1.addTab("Edit Kuliah", jPanel7);

jLabel31.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel31.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel31.setText("Kode Kuliah :");

insertButton\_nilai.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

insertButton\_nilai.setText("INSERT");

insertButton\_nilai.addActionListener(new java.awt.event.ActionListener() {

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

insertButton\_nilaiActionPerformed(evt);

}

});

jLabel34.setFont(new java.awt.Font("Segoe UI", 1, 48)); // NOI18N

jLabel34.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

jLabel34.setText("INPUT NILAI");

jLabel35.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel35.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel35.setText("NPM :");

resetButton\_nilai.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

resetButton\_nilai.setText("RESET");

resetButton\_nilai.addActionListener(new java.awt.event.ActionListener() {

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

resetButton\_nilaiActionPerformed(evt);

}

});

jLabel36.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel36.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel36.setText("Nilai :");

javax.swing.GroupLayout jPanel8Layout = new javax.swing.GroupLayout(jPanel8);

jPanel8.setLayout(jPanel8Layout);

jPanel8Layout.setHorizontalGroup(

jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel8Layout.createSequentialGroup()

.addGap(27, 27, 27)

.addGroup(jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel34, javax.swing.GroupLayout.PREFERRED\_SIZE, 844, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel8Layout.createSequentialGroup()

.addGap(38, 38, 38)

.addGroup(jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel8Layout.createSequentialGroup()

.addComponent(jLabel35, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(npm\_input\_nilai, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel8Layout.createSequentialGroup()

.addComponent(jLabel31, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(kode\_input\_nilai, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel8Layout.createSequentialGroup()

.addGap(168, 168, 168)

.addComponent(insertButton\_nilai)

.addGap(18, 18, 18)

.addComponent(resetButton\_nilai))

.addGroup(jPanel8Layout.createSequentialGroup()

.addComponent(jLabel36, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(nilai\_input, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE)))))

.addContainerGap(79, Short.MAX\_VALUE))

);

jPanel8Layout.setVerticalGroup(

jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel8Layout.createSequentialGroup()

.addComponent(jLabel34, javax.swing.GroupLayout.PREFERRED\_SIZE, 90, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addGroup(jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(kode\_input\_nilai, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE)

.addComponent(jLabel31, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

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

.addGroup(jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel35, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(npm\_input\_nilai, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE))

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

.addGroup(jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel36, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(nilai\_input, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(insertButton\_nilai)

.addComponent(resetButton\_nilai))

.addGap(320, 320, 320))

);

jTabbedPane1.addTab("Input Nilai", jPanel8);

searchButton\_nilai.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

searchButton\_nilai.setText("SEARCH");

searchButton\_nilai.addActionListener(new java.awt.event.ActionListener() {

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

searchButton\_nilaiActionPerformed(evt);

}

});

npm\_hasil\_nilai.setEditable(false);

jLabel38.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel38.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel38.setText("Nama :");

jLabel39.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel39.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel39.setText("NPM :");

jLabel40.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel40.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel40.setText("Nilai :");

jLabel41.setFont(new java.awt.Font("Segoe UI", 1, 48)); // NOI18N

jLabel41.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

jLabel41.setText("CARI DATA NILAI");

updateButton\_nilai.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

updateButton\_nilai.setText("UPDATE");

updateButton\_nilai.addActionListener(new java.awt.event.ActionListener() {

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

updateButton\_nilaiActionPerformed(evt);

}

});

deleteButton\_nilai.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

deleteButton\_nilai.setText("DELETE");

deleteButton\_nilai.addActionListener(new java.awt.event.ActionListener() {

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

deleteButton\_nilaiActionPerformed(evt);

}

});

jLabel43.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel43.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel43.setText("NPM :");

jLabel44.setFont(new java.awt.Font("Segoe UI", 1, 48)); // NOI18N

jLabel44.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

jLabel44.setText("HASIL PENCARIAN :");

jLabel42.setFont(new java.awt.Font("Segoe UI", 0, 14)); // NOI18N

jLabel42.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);

jLabel42.setText("Kode Kuliah :");

javax.swing.GroupLayout jPanel9Layout = new javax.swing.GroupLayout(jPanel9);

jPanel9.setLayout(jPanel9Layout);

jPanel9Layout.setHorizontalGroup(

jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel9Layout.createSequentialGroup()

.addGap(33, 33, 33)

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel44, javax.swing.GroupLayout.PREFERRED\_SIZE, 844, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel41, javax.swing.GroupLayout.PREFERRED\_SIZE, 844, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel9Layout.createSequentialGroup()

.addGap(38, 38, 38)

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel9Layout.createSequentialGroup()

.addComponent(jLabel39, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(npm\_hasil\_nilai, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel9Layout.createSequentialGroup()

.addComponent(jLabel38, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(nama\_hasil\_nilai, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel9Layout.createSequentialGroup()

.addComponent(jLabel40, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(nilai\_hasil, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel9Layout.createSequentialGroup()

.addGap(168, 168, 168)

.addComponent(updateButton\_nilai)

.addGap(18, 18, 18)

.addComponent(deleteButton\_nilai))

.addGroup(jPanel9Layout.createSequentialGroup()

.addComponent(jLabel43, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(npm\_cari\_nilai, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel9Layout.createSequentialGroup()

.addComponent(jLabel42, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(kode\_cari\_nilai, javax.swing.GroupLayout.PREFERRED\_SIZE, 250, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(searchButton\_nilai)))))

.addContainerGap(73, Short.MAX\_VALUE))

);

jPanel9Layout.setVerticalGroup(

jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel9Layout.createSequentialGroup()

.addComponent(jLabel41)

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

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel43, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(npm\_cari\_nilai, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel42, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(kode\_cari\_nilai, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE)

.addComponent(searchButton\_nilai))

.addGap(18, 18, 18)

.addComponent(jLabel44)

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

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(npm\_hasil\_nilai)

.addComponent(jLabel39, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel38, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(nama\_hasil\_nilai, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE))

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

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel40, javax.swing.GroupLayout.PREFERRED\_SIZE, 30, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(nilai\_hasil, javax.swing.GroupLayout.DEFAULT\_SIZE, 30, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(updateButton\_nilai)

.addComponent(deleteButton\_nilai))

.addGap(185, 185, 185))

);

jTabbedPane1.addTab("Edit Nilai", jPanel9);

table\_mahasiswa.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null, null, null},

{null, null, null, null, null, null},

{null, null, null, null, null, null},

{null, null, null, null, null, null},

{null, null, null, null, null, null},

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{null, null, null, null, null, null},

{null, null, null, null, null, null},

{null, null, null, null, null, null},

{null, null, null, null, null, null},

{null, null, null, null, null, null}

},

new String [] {

"NPM", "Nama", "Jenis Kelamin", "Tgl Lahir", "No. Telp", "Alamat"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jScrollPane3.setViewportView(table\_mahasiswa);

javax.swing.GroupLayout jPanel10Layout = new javax.swing.GroupLayout(jPanel10);

jPanel10.setLayout(jPanel10Layout);

jPanel10Layout.setHorizontalGroup(

jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel10Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jScrollPane3, javax.swing.GroupLayout.DEFAULT\_SIZE, 938, Short.MAX\_VALUE)

.addContainerGap())

);

jPanel10Layout.setVerticalGroup(

jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel10Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jScrollPane3, javax.swing.GroupLayout.DEFAULT\_SIZE, 577, Short.MAX\_VALUE)

.addContainerGap())

);

jTabbedPane1.addTab("Data Mahasiswa", jPanel10);

table\_kuliah.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

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{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Kode Matkul", "Nama Matkul", "SKS", "Semester"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jScrollPane4.setViewportView(table\_kuliah);

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

jPanel4.setLayout(jPanel4Layout);

jPanel4Layout.setHorizontalGroup(

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

.addGroup(jPanel4Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jScrollPane4, javax.swing.GroupLayout.DEFAULT\_SIZE, 938, Short.MAX\_VALUE)

.addContainerGap())

);

jPanel4Layout.setVerticalGroup(

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

.addGroup(jPanel4Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jScrollPane4, javax.swing.GroupLayout.DEFAULT\_SIZE, 577, Short.MAX\_VALUE)

.addContainerGap())

);

jTabbedPane1.addTab("Data Kuliah", jPanel4);

table\_nilai.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null},

{null, null, null},

{null, null, null},

{null, null, null},

{null, null, null},

{null, null, null},

{null, null, null},

{null, null, null},

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{null, null, null},

{null, null, null},

{null, null, null},

{null, null, null},

{null, null, null},

{null, null, null},

{null, null, null},

{null, null, null},

{null, null, null}

},

new String [] {

"NPM", "Kode Matkul", "Nilai"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jScrollPane6.setViewportView(table\_nilai);

javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);

jPanel5.setLayout(jPanel5Layout);

jPanel5Layout.setHorizontalGroup(

jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel5Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jScrollPane6, javax.swing.GroupLayout.DEFAULT\_SIZE, 938, Short.MAX\_VALUE)

.addContainerGap())

);

jPanel5Layout.setVerticalGroup(

jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel5Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jScrollPane6, javax.swing.GroupLayout.DEFAULT\_SIZE, 577, Short.MAX\_VALUE)

.addContainerGap())

);

jTabbedPane1.addTab("Data Nilai", jPanel5);

jLabel45.setFont(new java.awt.Font("Segoe UI", 1, 48)); // NOI18N

jLabel45.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

jLabel45.setText("OLAH DATA");

olahdata.setColumns(20);

olahdata.setFont(new java.awt.Font("Hack", 0, 12)); // NOI18N

olahdata.setRows(5);

jScrollPane5.setViewportView(olahdata);

javax.swing.GroupLayout jPanel12Layout = new javax.swing.GroupLayout(jPanel12);

jPanel12.setLayout(jPanel12Layout);

jPanel12Layout.setHorizontalGroup(

jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel12Layout.createSequentialGroup()

.addGap(40, 40, 40)

.addComponent(jLabel45, javax.swing.GroupLayout.PREFERRED\_SIZE, 844, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(66, Short.MAX\_VALUE))

.addGroup(jPanel12Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jScrollPane5)

.addContainerGap())

);

jPanel12Layout.setVerticalGroup(

jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel12Layout.createSequentialGroup()

.addComponent(jLabel45)

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

.addComponent(jScrollPane5, javax.swing.GroupLayout.DEFAULT\_SIZE, 513, Short.MAX\_VALUE)

.addContainerGap())

);

jTabbedPane1.addTab("TextArea", jPanel12);

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addComponent(jTabbedPane1)

);

layout.setVerticalGroup(

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

.addComponent(jTabbedPane1)

);

pack();

}// </editor-fold>

private String hurufMutu(int nilai) {

String mutu = "x";

if (nilai > 80){

mutu = "A";

}else if(nilai <= 80 && nilai > 68){

mutu = "B";

}else if(nilai <= 68 && nilai > 55){

mutu = "C";

}else if(nilai <= 55 && nilai > 45){

mutu = "D";

}else if(nilai <= 45) {

mutu = "E";

}

return mutu;

}

private String kelulusan(int nilai) {

String status = "x";

if (nilai >= 55){

status = "Lulus";

}else {

status = "Tidak Lulus";

}

return status;

}

private String olahData() throws SQLException {

Koneksi kon = new Koneksi();

ResultSet rs = null;

rs = kon.getData("SELECT \* FROM nilai\_kuliah n JOIN mahasiswa m ON (n.npm=m.npm) JOIN kuliah k ON (n.kode\_kul=k.kode\_kul)");

int no = 1;

String word = "";

word += String.format("\t\t\t[DAFTAR NILAI MATA KULIAH STRUKTUR DATA (Kode MK: TI\_001)]\n\n");

word += String.format("=======================================================================================\n");

word += String.format("No\tNPM\t\tNama\tNilai\tHM\tKeterangan\n");

word += String.format("=======================================================================================\n");

while(rs.next()){

word += String.format(no + "\t" + rs.getString("npm") + "\t" + rs.getString("nama\_mhs") + "\t" + rs.getString("nilai") + "\t" + hurufMutu(Integer.parseInt(rs.getString("nilai"))) + "\t" + kelulusan(Integer.parseInt(rs.getString("nilai"))) + "\n");

}

return word;

}

private void showDataMahasiswa(){

Koneksi kon = new Koneksi();

ResultSet rs = null;

int i = 0;

try{

rs = kon.getData("SELECT \* FROM mahasiswa");

while(rs.next()){

table\_mahasiswa.setValueAt(rs.getString("npm"), i, 0) ;

table\_mahasiswa.setValueAt(rs.getString("nama\_mhs"),i, 1) ;

table\_mahasiswa.setValueAt(rs.getString("jenis\_kelamin") , i, 2);

table\_mahasiswa.setValueAt(rs.getString("tgl\_lahir"),i, 3);

table\_mahasiswa.setValueAt(rs.getString("no\_telp"),i, 4);

table\_mahasiswa.setValueAt(rs.getString("alamat"),i, 5);

i++;

}

}

catch(Exception e){

javax.swing.JOptionPane.showMessageDialog(null, "Error:"+e.getMessage());

}

}

private void showDataKuliah() {

Koneksi kon = new Koneksi();

ResultSet rs = null;

int i = 0;

try{

rs = kon.getData("SELECT \* FROM kuliah");

while(rs.next()){

table\_kuliah.setValueAt(rs.getString("kode\_kul"), i, 0) ;

table\_kuliah.setValueAt(rs.getString("nama\_kul"),i, 1) ;

table\_kuliah.setValueAt(rs.getString("sks") , i, 2);

table\_kuliah.setValueAt(rs.getString("semester"),i, 3);

i++;

}

}

catch(Exception e){

javax.swing.JOptionPane.showMessageDialog(null, "Error:"+e.getMessage());

}

}

private void showDataNilai() {

Koneksi kon = new Koneksi();

ResultSet rs = null;

int i = 0;

try{

rs = kon.getData("SELECT \* FROM nilai\_kuliah");

while(rs.next()){

table\_nilai.setValueAt(rs.getString("npm"), i, 0) ;

table\_nilai.setValueAt(rs.getString("kode\_kul"),i, 1) ;

table\_nilai.setValueAt(rs.getString("nilai") , i, 2);

i++;

}

}

catch(Exception e){

javax.swing.JOptionPane.showMessageDialog(null, "Error:"+e.getMessage());

}

}

private void formWindowOpened(java.awt.event.WindowEvent evt) {

this.showDataMahasiswa();

this.showDataKuliah();

this.showDataNilai();

try {

olahdata.setText(this.olahData());

} catch (SQLException e) {

javax.swing.JOptionPane.showMessageDialog(null, "Error:"+e.getMessage());

}

}

private void deleteButton\_nilaiActionPerformed(java.awt.event.ActionEvent evt) {

Nilai nilai = new Nilai();

nilai.setNpm(npm\_cari\_nilai.getText());

nilai.setKode(kode\_cari\_nilai.getText());

nilai.deleteNilai();

javax.swing.JOptionPane.showMessageDialog(null,"Delete Success");

npm\_hasil\_nilai.setText(null);

nama\_hasil\_nilai.setText(null);

nilai\_hasil.setText(null);

this.showDataNilai();

}

private void updateButton\_nilaiActionPerformed(java.awt.event.ActionEvent evt) {

Nilai nilai = new Nilai();

nilai.setKode(kode\_cari\_nilai.getText());

nilai.setNpm(npm\_cari\_nilai.getText());

nilai.setNilai(Integer.parseInt(nilai\_hasil.getText()));

nilai.updateNilai();

javax.swing.JOptionPane.showMessageDialog(null, "Update Success");

this.showDataNilai();

}

private void searchButton\_nilaiActionPerformed(java.awt.event.ActionEvent evt) {

Koneksi kon = new Koneksi();

ResultSet rs = null;

try{

rs = kon.getData("SELECT \* FROM nilai\_kuliah n JOIN mahasiswa m ON (n.npm=m.npm) JOIN kuliah k ON (n.kode\_kul=k.kode\_kul) WHERE n.kode\_kul ='"+kode\_cari\_nilai.getText()+"' AND n.npm = '"+npm\_cari\_nilai.getText()+"'");

while(rs.next()){

npm\_hasil\_nilai.setText(rs.getString("npm"));

nama\_hasil\_nilai.setText(rs.getString("nama\_mhs"));

nilai\_hasil.setText(rs.getString("nilai"));

javax.swing.JOptionPane.showMessageDialog(null, "Search Success");

updateButton\_mhs.setEnabled(true);

deleteButton\_mhs.setEnabled(true);

}

rs.close();

}

catch(Exception e){

javax.swing.JOptionPane.showMessageDialog(null, "Error:"+e.getMessage());

}

}

private void resetButton\_nilaiActionPerformed(java.awt.event.ActionEvent evt) {

kode\_input.setText(null);

nama\_input.setText(null);

sks\_input.setText(null);

semester\_input.setText(null);

}

private void insertButton\_nilaiActionPerformed(java.awt.event.ActionEvent evt) {

Nilai nilai = new Nilai();

nilai.setKode(kode\_input\_nilai.getText());

nilai.setNpm(npm\_input\_nilai.getText());

nilai.setNilai(Integer.parseInt(nilai\_input.getText()));

nilai.insertNilai();

javax.swing.JOptionPane.showMessageDialog(null, "Insert Success");

this.showDataNilai();

kode\_input.setText(null);

nama\_input.setText(null);

sks\_input.setText(null);

semester\_input.setText(null);

this.showDataNilai();

}

private void deleteButton\_kuliahActionPerformed(java.awt.event.ActionEvent evt) {

Kuliah matkul = new Kuliah();

matkul.setKode(kode\_hasil.getText());

matkul.deleteKuliah();

javax.swing.JOptionPane.showMessageDialog(null,"Delete Success");

kode\_hasil.setText(null);

matkul\_hasil.setText(null);

sks\_hasil.setText(null);

semester\_hasil.setText(null);

this.showDataKuliah();

}

private void kode\_cariActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void updateButton\_kuliahActionPerformed(java.awt.event.ActionEvent evt) {

Kuliah matkul = new Kuliah();

matkul.setKode(kode\_hasil.getText());

matkul.setNama(matkul\_hasil.getText());

matkul.setSks(Integer.parseInt(sks\_hasil.getText()));

matkul.setSemester(Integer.parseInt(semester\_hasil.getText()));

matkul.updateKuliah();

javax.swing.JOptionPane.showMessageDialog(null, "Update Success");

this.showDataKuliah();

}

private void searchButton\_kuliahActionPerformed(java.awt.event.ActionEvent evt) {

Koneksi kon = new Koneksi();

ResultSet rs = null;

try{

rs = kon.getData("SELECT \* FROM kuliah WHERE kode\_kul ='"+kode\_cari.getText()+"'");

while(rs.next()){

kode\_hasil.setText(rs.getString("kode\_kul"));

matkul\_hasil.setText(rs.getString("nama\_kul"));

sks\_hasil.setText(rs.getString("sks"));

semester\_hasil.setText(rs.getString("semester"));

javax.swing.JOptionPane.showMessageDialog(null, "Search Success");

kode\_cari.setText(null);

updateButton\_mhs.setEnabled(true);

deleteButton\_mhs.setEnabled(true);

}

rs.close();

}

catch(Exception e){

javax.swing.JOptionPane.showMessageDialog(null, "Error:"+e.getMessage());

}

}

private void resetButton\_kuliahActionPerformed(java.awt.event.ActionEvent evt) {

kode\_input.setText(null);

matkul\_input.setText(null);

sks\_input.setText(null);

semester\_input.setText(null);

}

private void insertButton\_kuliahActionPerformed(java.awt.event.ActionEvent evt) {

Kuliah matkul = new Kuliah();

matkul.setKode(kode\_input.getText());

matkul.setNama(matkul\_input.getText());

matkul.setSks(Integer.parseInt(sks\_input.getText()));

matkul.setSemester(Integer.parseInt(semester\_input.getText()));

matkul.insertKuliah();

javax.swing.JOptionPane.showMessageDialog(null, "Insert Success");

this.showDataKuliah();

kode\_input.setText(null);

nama\_input.setText(null);

sks\_input.setText(null);

semester\_input.setText(null);

this.showDataKuliah();

}

private void wanitaRadio\_hasilActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void priaRadio\_hasilActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void searchButton\_mhsActionPerformed(java.awt.event.ActionEvent evt) {

Koneksi kon = new Koneksi();

ResultSet rs = null;

String thn, bln, tgl;

try{

rs = kon.getData("SELECT \* FROM mahasiswa WHERE npm ='"+npm\_cari.getText()+"'");

while(rs.next()){

npm\_hasil.setText(rs.getString("npm"));

nama\_hasil.setText(rs.getString("nama\_mhs"));

if("Laki-Laki".equals(rs.getString("jenis\_kelamin"))) {

priaRadio\_hasil.setSelected(true);

} else {

wanitaRadio\_hasil.setSelected(true);

}

String[] tglLahir = rs.getString("tgl\_lahir").split("-", 3);

thn = tglLahir[0];

bln = tglLahir[1];

tgl = tglLahir[2];

tgl\_hasil.setSelectedIndex(Integer.parseInt(tgl));

bln\_hasil.setSelectedIndex(Integer.parseInt(bln));

tahun\_hasil.setText(thn);

telp\_hasil.setText(rs.getString("no\_telp"));

alamat\_hasil.setText(rs.getString("alamat"));

javax.swing.JOptionPane.showMessageDialog(null, "Search Success");

npm\_cari.setText(null);

updateButton\_mhs.setEnabled(true);

deleteButton\_mhs.setEnabled(true);

}

rs.close();

}

catch(Exception e){

javax.swing.JOptionPane.showMessageDialog(null, "Error:"+e.getMessage());

}

}

private void updateButton\_mhsActionPerformed(java.awt.event.ActionEvent evt) {

Mahasiswa mhs = new Mahasiswa();

mhs.setNpm(npm\_hasil.getText());

mhs.setNama(nama\_hasil.getText());

if (priaRadio\_hasil.isSelected()) {

mhs.setJk("Laki-Laki");

}else {

mhs.setJk("Perempuan");

}

mhs.setTgl("" + tgl\_hasil.getSelectedItem());

mhs.setBln("" + bln\_hasil.getSelectedItem());

mhs.setThn(tahun\_hasil.getText());

mhs.setTelp(telp\_hasil.getText());

mhs.setTelp(telp\_hasil.getText());

mhs.setAlamat(alamat\_hasil.getText());

mhs.updateMahasiswa();

javax.swing.JOptionPane.showMessageDialog(null, "Update Success");

this.showDataMahasiswa();

}

private void deleteButton\_mhsActionPerformed(java.awt.event.ActionEvent evt) {

Mahasiswa mhs = new Mahasiswa();

mhs.setNpm(npm\_hasil.getText());

mhs.deleteMahasiswa();

javax.swing.JOptionPane.showMessageDialog(null,"Delete Success");

npm\_hasil.setText(null);

nama\_hasil.setText(null);

priaRadio\_input.setSelected(false);

wanitaRadio\_input.setSelected(false);

tgl\_hasil.setSelectedItem(0);

bln\_hasil.setSelectedItem(0);

tahun\_hasil.setText(null);

telp\_hasil.setText(null);

alamat\_hasil.setText(null);

this.showDataMahasiswa();

}

private void priaRadio\_inputActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void resetButton\_mhsActionPerformed(java.awt.event.ActionEvent evt) {

npm\_input.setText(null);

nama\_input.setText(null);

alamat\_input.setText(null);

priaRadio\_input.setSelected(false);

wanitaRadio\_input.setSelected(false);

tgl\_input.setSelectedIndex(0);

bln\_input.setSelectedIndex(0);

thn\_input.setText(null);

telp\_input.setText(null) ;

alamat\_input.setText(null) ;

}

private void insertButton\_mhsActionPerformed(java.awt.event.ActionEvent evt) {

Mahasiswa mhs = new Mahasiswa();

mhs.setNpm(npm\_input.getText());

mhs.setNama(nama\_input.getText());

if (priaRadio\_input.isSelected()) {

mhs.setJk("Laki-Laki");

}else if(wanitaRadio\_input.isSelected()){

mhs.setJk("Perempuan");

}

mhs.setTgl("" + tgl\_input.getSelectedItem());

mhs.setBln("" + bln\_input.getSelectedItem());

mhs.setThn(thn\_input.getText());

mhs.setTelp(telp\_input.getText());

mhs.setAlamat(alamat\_input.getText());

mhs.insertMahasiswa();

javax.swing.JOptionPane.showMessageDialog(null, "Insert Success");

this.showDataMahasiswa();

npm\_input.setText(null);

nama\_input.setText(null);

alamat\_input.setText(null);

priaRadio\_input.setSelected(false);

wanitaRadio\_input.setSelected(false);

tgl\_input.setSelectedIndex(0);

bln\_input.setSelectedIndex(0);

thn\_input.setText(null);

telp\_input.setText(null) ;

alamat\_input.setText(null) ;

}

/\*\*

\* @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(Application.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Application.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 Application().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JTextArea alamat\_hasil;

private javax.swing.JTextArea alamat\_input;

private javax.swing.JComboBox<String> bln\_hasil;

private javax.swing.JComboBox<String> bln\_input;

private javax.swing.JButton deleteButton\_kuliah;

private javax.swing.JButton deleteButton\_mhs;

private javax.swing.JButton deleteButton\_nilai;

private javax.swing.JButton insertButton\_kuliah;

private javax.swing.JButton insertButton\_mhs;

private javax.swing.JButton insertButton\_nilai;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel12;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel14;

private javax.swing.JLabel jLabel15;

private javax.swing.JLabel jLabel16;

private javax.swing.JLabel jLabel17;

private javax.swing.JLabel jLabel18;

private javax.swing.JLabel jLabel19;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel21;

private javax.swing.JLabel jLabel22;

private javax.swing.JLabel jLabel23;

private javax.swing.JLabel jLabel24;

private javax.swing.JLabel jLabel25;

private javax.swing.JLabel jLabel26;

private javax.swing.JLabel jLabel27;

private javax.swing.JLabel jLabel28;

private javax.swing.JLabel jLabel29;

private javax.swing.JLabel jLabel30;

private javax.swing.JLabel jLabel31;

private javax.swing.JLabel jLabel32;

private javax.swing.JLabel jLabel33;

private javax.swing.JLabel jLabel34;

private javax.swing.JLabel jLabel35;

private javax.swing.JLabel jLabel36;

private javax.swing.JLabel jLabel38;

private javax.swing.JLabel jLabel39;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel40;

private javax.swing.JLabel jLabel41;

private javax.swing.JLabel jLabel42;

private javax.swing.JLabel jLabel43;

private javax.swing.JLabel jLabel44;

private javax.swing.JLabel jLabel45;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel10;

private javax.swing.JPanel jPanel12;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

private javax.swing.JPanel jPanel4;

private javax.swing.JPanel jPanel5;

private javax.swing.JPanel jPanel6;

private javax.swing.JPanel jPanel7;

private javax.swing.JPanel jPanel8;

private javax.swing.JPanel jPanel9;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JScrollPane jScrollPane3;

private javax.swing.JScrollPane jScrollPane4;

private javax.swing.JScrollPane jScrollPane5;

private javax.swing.JScrollPane jScrollPane6;

private javax.swing.JTabbedPane jTabbedPane1;

private javax.swing.JTextField kode\_cari;

private javax.swing.JTextField kode\_cari\_nilai;

private javax.swing.JTextField kode\_hasil;

private javax.swing.JTextField kode\_input;

private javax.swing.JTextField kode\_input\_nilai;

private javax.swing.JTextField matkul\_hasil;

private javax.swing.JTextField matkul\_input;

private javax.swing.JTextField nama\_hasil;

private javax.swing.JTextField nama\_hasil\_nilai;

private javax.swing.JTextField nama\_input;

private javax.swing.JTextField nilai\_hasil;

private javax.swing.JTextField nilai\_input;

private javax.swing.JTextField npm\_cari;

private javax.swing.JTextField npm\_cari\_nilai;

private javax.swing.JTextField npm\_hasil;

private javax.swing.JTextField npm\_hasil\_nilai;

private javax.swing.JTextField npm\_input;

private javax.swing.JTextField npm\_input\_nilai;

private javax.swing.JTextArea olahdata;

private javax.swing.JRadioButton priaRadio;

private javax.swing.JRadioButton priaRadio1;

private javax.swing.JRadioButton priaRadio\_hasil;

private javax.swing.JRadioButton priaRadio\_input;

private javax.swing.JButton resetButton\_kuliah;

private javax.swing.JButton resetButton\_mhs;

private javax.swing.JButton resetButton\_nilai;

private javax.swing.JButton searchButton\_kuliah;

private javax.swing.JButton searchButton\_mhs;

private javax.swing.JButton searchButton\_nilai;

private javax.swing.JTextField semester\_hasil;

private javax.swing.JTextField semester\_input;

private javax.swing.JTextField sks\_hasil;

private javax.swing.JTextField sks\_input;

private javax.swing.JTable table\_kuliah;

private javax.swing.JTable table\_mahasiswa;

private javax.swing.JTable table\_nilai;

private javax.swing.JTextField tahun\_hasil;

private javax.swing.JTextField telp\_hasil;

private javax.swing.JTextField telp\_input;

private javax.swing.JComboBox<String> tgl\_hasil;

private javax.swing.JComboBox<String> tgl\_input;

private javax.swing.JTextField thn\_input;

private javax.swing.JButton updateButton\_kuliah;

private javax.swing.JButton updateButton\_mhs;

private javax.swing.JButton updateButton\_nilai;

private javax.swing.JRadioButton wanitaRadio\_hasil;

private javax.swing.JRadioButton wanitaRadio\_input;

// End of variables declaration

}

1. Screenshot:

















