

```
package bab1;

import java.io.File;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.sound.sampled.AudioInputStream;
import javax.sound.sampled.AudioSystem;
import javax.sound.sampled.Clip;
import javax.swing.ImageIcon;
import pembelajaranIPA.FormLogin;
import pembelajaranIPA.menuMateri;

/**
 *
 * @author adjie
 */
public class dua extends javax.swing.JFrame {

    ResultSet rs;
    String musik;
    public Connection konek;
    Clip clip;
    Clip activeClip;
```

```

String suaraMateri;
public static String IP = FormLogin.IP;

public dua() {

    initComponents();
    loadMateri();

}

public void putarSuaraMateri() {
    if (activeClip != null) {
        activeClip.stop();
        activeClip = null;

        ImagemIcon icon = new
ImagemIcon("../pembelajaranIPA/src/gambarMenuMateri/buttonPlaySuaraAnim.gif");

        icon = new ImagemIcon(icon.getImage());
        jButton1.setIcon(icon);
    } else {
        try {
            ImagemIcon icon = new
ImagemIcon("../pembelajaranIPA/src/gambarMenuMateri/buttonStopSuaraAnim.gif");

            icon = new ImagemIcon(icon.getImage());
            jButton1.setIcon(icon);

            Clip clip = AudioSystem.getClip();
            clip.stop();

            AudioInputStream inputStream = AudioSystem.getAudioInputStream(new
File("src/suara/"+suaraMateri+"));

```

```
clip.open(inputStream);
clip.start();
activeClip = clip;
} catch (Exception e) {
    System.out.println("musik gagal");
}
}
}
```

```
public void koneksi() throws SQLException {
    try {
        konek = null;
        Class.forName("com.mysql.jdbc.Driver");
        konek = DriverManager.getConnection("jdbc:mysql://" + IP + ":3306/databaseipa", "adje", "adje");

    } catch (ClassNotFoundException ex) {
        Logger.getLogger(satu.class.getName()).log(Level.SEVERE, null, ex);
    } catch (SQLException e) {
        Logger.getLogger(satu.class.getName()).log(Level.SEVERE, null, e);
    } catch (Exception es) {
        Logger.getLogger(satu.class.getName()).log(Level.SEVERE, null, es);
    }
}
}
```

```
private void loadMateri() {
    try {
```

```

koneksi();

Statement statemen = konek.createStatement(ResultSet.TYPE_SCROLL_INSENSITIVE,
ResultSet.CONCUR_UPDATABLE);

String sql = "Select * from bab1 where nomor=2";
rs = statemen.executeQuery(sql);

while (rs.next()) {
    suaraMateri = rs.getString("suara");
    String gambar = rs.getString("gambar");
    Imagelcon icon = new Imagelcon("../pembelajaranIPA/src/gambarMateri/" + gambar + "");
    icon = new Imagelcon(icon.getImage());
    jLabel1.setIcon(icon);

}

} catch (Exception e) {
}
}

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    btnMenuMateri = new javax.swing.JButton();
    lanjut = new javax.swing.JButton();
    mundur = new javax.swing.JButton();
    jButton1 = new javax.swing.JButton();
    jLabel1 = new javax.swing.JLabel();

```

```
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setMaximumSize(new java.awt.Dimension(1366, 768));
setMinimumSize(new java.awt.Dimension(1366, 768));
setPreferredSize(new java.awt.Dimension(1366, 768));
setResizable(false);
```

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

```
btnMenuMateri.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/gambarMenuMateri/buttonBackMateri.png"))); //
NOI18N
```

```
btnMenuMateri.setBorderPainted(false);
btnMenuMateri.setContentAreaFilled(false);
btnMenuMateri.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnMenuMateriActionPerformed(evt);
    }
});
jPanel1.add(btnMenuMateri);
btnMenuMateri.setBounds(1110, 70, 163, 100);
```

```
lanjut.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/gambarMenuMateri/buttonNext.png"))); // NOI18N
lanjut.setBorderPainted(false);
lanjut.setContentAreaFilled(false);
lanjut.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        lanjutActionPerformed(evt);
    }
});
```

```

    }
});
jPanel1.add(lanjut);
lanjut.setBounds(1100, 590, 170, 41);

mundur.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/gambarMenuMateri/buttonBack.png"))); // NOI18N
mundur.setBorderPainted(false);
mundur.setContentAreaFilled(false);
mundur.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        mundurActionPerformed(evt);
    }
});
jPanel1.add(mundur);
mundur.setBounds(1100, 649, 140, 40);

jButton1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/gambarMenuMateri/buttonPlaySuaraAnim.gif"))); //
NOI18N
jButton1.setBorderPainted(false);
jButton1.setContentAreaFilled(false);
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});
jPanel1.add(jButton1);
jButton1.setBounds(1110, 190, 310, 309);
jPanel1.add(jLabel1);

```

```
jLabel1.setBounds(0, 0, 1370, 770);
```

```
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, 1438, Short.MAX_VALUE)
```

```
);
```

```
layout.setVerticalGroup(
```

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

```
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, 746, Short.MAX_VALUE)
```

```
);
```

```
pack();
```

```
}// </editor-fold>//GEN-END:initComponents
```

```
private void btnMenuMateriActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_btnMenuMateriActionPerformed
```

```
    if (activeClip != null) {
```

```
        activeClip.stop();
```

```
        activeClip = null;
```

```
    }
```

```
    new pembelajaranIPA.menuSemester().setVisible(true);
```

```
    dispose();
```

```
}//GEN-LAST:event_btnMenuMateriActionPerformed
```

```
private void lanjutActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_lanjutActionPerformed
```

```
    if (activeClip != null) {
```

```
        activeClip.stop();
        activeClip = null;
    }
    new tiga().setVisible(true);
    dispose();
} //GEN-LAST:event_lanjutActionPerformed
```

```
private void mundurActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_mundurActionPerformed
```

```
    if (activeClip != null) {
        activeClip.stop();
        activeClip = null;
    }
    new satu().setVisible(true);
    dispose();
} //GEN-LAST:event_mundurActionPerformed
```

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_jButton1ActionPerformed
```

```
    putarSuaraMateri();
} //GEN-LAST:event_jButton1ActionPerformed
```

```
/**
```

```
 * @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(dua.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(dua.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(dua.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(dua.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 dua().setVisible(true);
    }
}

```

```
});  
}
```

```
// Variables declaration - do not modify//GEN-BEGIN:variables
```

```
private javax.swing.JButton btnMenuMateri;
```

```
private javax.swing.JButton jButton1;
```

```
private javax.swing.JLabel jLabel1;
```

```
private javax.swing.JPanel jPanel1;
```

```
private javax.swing.JButton lanjut;
```

```
private javax.swing.JButton mundur;
```

```
// End of variables declaration//GEN-END:variables
```

```
}
```

```
package bab1;
```

```
import java.io.File;
```

```
import pembelajaranIPA.*;
```

```
import java.util.logging.Level;
```

```
import java.util.logging.Logger;
```

```
import java.sql.*;
```

```
import javax.swing.*;
```

```
import java.sql.Connection;
```

```
import java.sql.DriverManager;
```

```
import java.sql.SQLException;
```

```
import java.sql.Statement;
```

```
import javax.sound.sampled.AudioInputStream;
```

```
import javax.sound.sampled.AudioSystem;
import javax.sound.sampled.Clip;
import javax.swing.JOptionPane;

/**
 *
 * @author adjie
 */
public class Kuis extends javax.swing.JFrame {

    public static String namaUser = FormLogin.username;
    public static String IP = FormLogin.IP;

    Statement stmt = null;
    ResultSet rs;
    String kunci = "";
    int nilai = 0;
    int jumlahSoalBenar = 0;
    public Connection conn;
    int halaman = 1;
    int jumlahDataSoal = 0;
    public static Clip clip;

    public Kuis() {
        initComponents();
        groupButton();
        panggilSoal();
        tampilSoal();
        lblHalamanSoal.setText("" + halaman+".");
    }
}
```

```
catchJumlahBenar());
```

```
}
```

```
public void catchJumlahBenar() {
```

```
    try {
```

```
        koneksi();
```

```
        Statement stmt = conn.createStatement();
```

```
        String sql = "select count(no) as jumlahData from latihan1";
```

```
        ResultSet tangkap = stmt.executeQuery(sql);
```

```
        while (tangkap.next()) {
```

```
            jumlahDataSoal = tangkap.getInt("jumlahData");
```

```
        }
```

```
    } catch (SQLException ex) {
```

```
        Logger.getLogger(Kuis.class.getName()).log(Level.SEVERE, null, ex);
```

```
    }
```

```
}
```

```
public void koneksi() throws SQLException {
```

```
    try {
```

```
        conn = null;
```

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

```
        conn = DriverManager.getConnection("jdbc:mysql://"+IP+":3306/databasekuisipa", "adjie",  
"adjie");
```

```
    } catch (ClassNotFoundException ex) {
```

```
        Logger.getLogger(Kuis.class.getName()).log(Level.SEVERE, null, ex);
```

```
} catch (SQLException e) {  
    Logger.getLogger(Kuis.class.getName()).log(Level.SEVERE, null, e);  
} catch (Exception es) {  
    Logger.getLogger(Kuis.class.getName()).log(Level.SEVERE, null, es);  
}  
  
}
```

```
public void groupButton() {  
    ButtonGroup bg1 = new ButtonGroup();  
    bg1.add(rdoPil1);  
    bg1.add(rdoPil2);  
    bg1.add(rdoPil3);  
    bg1.add(rdoPil4);  
    bg1.clearSelection();  
}
```

```
public void panggilSoal() {  
    catchJumlahBenar();  
    try {  
  
        koneksi();  
  
        Statement stmt = conn.createStatement(ResultSet.TYPE_SCROLL_INSENSITIVE,  
        ResultSet.CONCUR_UPDATABLE);  
  
        String sql = "Select * from latihan1 order by rand() limit " + jumlahDataSoal + "";  
        rs = stmt.executeQuery(sql);  
  
        while (rs.next()) // membaca data hasil query diatas , satu per satu  
        {
```

```

    }

    } catch (Exception e) {
    }

}

public void tampilSoal() {
    try {
        if (rs.previous()) {
            String gambar_soal = rs.getString("soal");

            ImagemIcon icon = new ImagemIcon("../pembelajaranIPA/src/gambarSoalLatihan1\\" +
gambar_soal + "");

            icon = new ImagemIcon(icon.getImage());

            lblTampilSoal.setIcon(icon);

            kunci = rs.getString("kunci");
        } else {

            String skorNilai = String.valueOf(nilai);

            String hasil[] = new String[1];
            hasil[0] = skorNilai;
            skor.main(hasil);

            dispose();
        }
    }
}

```

```
    } catch (SQLException err) {  
        JOptionPane.showMessageDialog(Kuis.this, err.getMessage());  
    }  
}
```

```
public void koreksi() {  
    catchJumlahBenar();  
    String jawab = "";  
    if (rdoPil1.isSelected()) {  
        jawab = rdoPil1.getText();  
    }  
    if (rdoPil2.isSelected()) {  
        jawab = rdoPil2.getText();  
    }  
    if (rdoPil3.isSelected()) {  
        jawab = rdoPil3.getText();  
    }  
    if (rdoPil4.isSelected()) {  
        jawab = rdoPil4.getText();  
    }  
  
    if (rdoPil1.isSelected() || rdoPil2.isSelected() || rdoPil3.isSelected() || rdoPil4.isSelected()) {  
  
        if (kunci.equals(jawab)) {  
  
            jumlahSoalBenar += 1;  
        } else {  
            jumlahSoalBenar += 0;  
        }  
    }  
}
```

```

        groupButton();

    }

    nilai = jumlahSoalBenar * 100 / jumlahDataSoal;

}

/**
 * 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">//GEN-BEGIN: initComponents
private void initComponents() {

    jPanel2 = new javax.swing.JPanel();
    rdoPil1 = new javax.swing.JRadioButton();
    rdoPil3 = new javax.swing.JRadioButton();
    rdoPil4 = new javax.swing.JRadioButton();
    rdoPil2 = new javax.swing.JRadioButton();
    btnSoalBerikutnya = new javax.swing.JButton();
    btnHome = new javax.swing.JButton();
    lblHalamanSoal = new javax.swing.JLabel();
    lblTampilSoal = new javax.swing.JLabel();
    jLabel1 = new javax.swing.JLabel();

```



```

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setMinimumSize(new java.awt.Dimension(1366, 768));
setResizable(false);
getContentPane().setLayout(null);

jPanel2.setBackground(new java.awt.Color(255, 255, 255));
jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder("Jawab"));

rdoPil1.setText("A");
rdoPil1.setContentAreaFilled(false);

rdoPil3.setText("C");
rdoPil3.setContentAreaFilled(false);

rdoPil4.setText("D");
rdoPil4.setContentAreaFilled(false);

rdoPil2.setText("B");
rdoPil2.setContentAreaFilled(false);

btnSoalBerikutnya.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/gambarMenuMateri/buttonNextKuis.png"))); //
NOI18N

btnSoalBerikutnya.setBorderPainted(false);
btnSoalBerikutnya.setContentAreaFilled(false);
btnSoalBerikutnya.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnSoalBerikutnyaActionPerformed(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(107, 107, 107)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(rdoPil2, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(rdoPil1, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addGap(107, 107, 107)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(rdoPil3)
                .addComponent(rdoPil4))
            .addGap(195, 195, 195)
            .addComponent(btnSoalBerikutnya, javax.swing.GroupLayout.PREFERRED_SIZE, 102,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(42, 42, 42))
        );
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(107, 107, 107)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(btnSoalBerikutnya)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGap(107, 107, 107)
                    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(rdoPil2, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(rdoPil1, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                    .addGap(107, 107, 107)
                    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(rdoPil3)
                        .addComponent(rdoPil4))
                    .addGap(195, 195, 195)
                    .addComponent(btnSoalBerikutnya, javax.swing.GroupLayout.PREFERRED_SIZE, 102,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(42, 42, 42))
            )
        );

```

```

        .addComponent(rdoPil1, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)

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

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

        .addComponent(rdoPil2, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(rdoPil4, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)))

        .addGroup(jPanel2Layout.createSequentialGroup())

        .addContainerGap()

        .addComponent(rdoPil3, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)))

        .addGap(0, 16, Short.MAX_VALUE))

);

getContentPane().add(jPanel2);

jPanel2.setBounds(550, 580, 530, 150);

btnHome.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/gambarMenuUtama/buttonMbalekKuis.png")); //
NOI18N

btnHome.setBorderPainted(false);

btnHome.setContentAreaFilled(false);

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

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

        btnHomeActionPerformed(evt);

    }

});

getContentPane().add(btnHome);

btnHome.setBounds(1120, 600, 150, 110);

```

```

lblHalamanSoal.setFont(new java.awt.Font("Comic Sans MS", 1, 14)); // NOI18N
lblHalamanSoal.setText("1");
getContentPane().add(lblHalamanSoal);
lblHalamanSoal.setBounds(560, 214, 50, 30);
getContentPane().add(lblTampilSoal);
lblTampilSoal.setBounds(440, 140, 860, 400);

jLabel1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/gambarMenuMateri/frameKuis.png"))); // NOI18N
getContentPane().add(jLabel1);
jLabel1.setBounds(0, 0, 1366, 770);

pack();
} // </editor-fold> // GEN-END: initComponents

private void btnSoalBerikutnyaActionPerformed(java.awt.event.ActionEvent evt) { // GEN-
FIRST:event_btnSoalBerikutnyaActionPerformed
    // TODO add your handling code here:
    tampilSoal();
    halaman++;
    lblHalamanSoal.setText("" + halaman + ".");
    koreksi();

} // GEN-LAST:event_btnSoalBerikutnyaActionPerformed

private void btnHomeActionPerformed(java.awt.event.ActionEvent evt) { // GEN-
FIRST:event_btnHomeActionPerformed
    new menuUtama().setVisible(true);
    dispose();
}

```

```

} //GEN-LAST:event_btnHomeActionPerformed

/**
 * @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(Kuis.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(Kuis.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(Kuis.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

```

```
        java.util.logging.Logger.getLogger(Kuis.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 Kuis().setVisible(true);
```

```
    }
```

```
});
```

```
}
```

```
// Variables declaration - do not modify//GEN-BEGIN:variables
```

```
private javax.swing.JButton btnHome;
```

```
private javax.swing.JButton btnSoalBerikutnya;
```

```
private javax.swing.JLabel jLabel1;
```

```
private javax.swing.JPanel jPanel2;
```

```
private javax.swing.JLabel lblHalamanSoal;
```

```
private javax.swing.JLabel lblTampilSoal;
```

```
private javax.swing.JRadioButton rdoPil1;
```

```
private javax.swing.JRadioButton rdoPil2;
```

```
private javax.swing.JRadioButton rdoPil3;
```

```
private javax.swing.JRadioButton rdoPil4;
```

```
// End of variables declaration//GEN-END:variables
```

```
}
```

```
/*
```

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\*/

```
package pembelajaranIPA;
```

```
import java.sql.Connection;
```

```
import java.sql.DriverManager;
```

```
import java.sql.ResultSet;
```

```
import java.sql.SQLException;
```

```
import java.sql.Statement;
```

```
import java.util.logging.Level;
```

```
import java.util.logging.Logger;
```

```
import javax.swing.JOptionPane;
```

```
import javax.swing.UIManager;
```

```
/**
```

```
*
```

```
* @author adjie
```

```
*/
```

```
public class FormLogin extends javax.swing.JFrame {
```

```
    public Connection conn;
```

```
    public static String uname;
```

```
    public static String IP;
```

```
/**
```

```
* Creates new form FormLogin
```

```
*/
```

```
public FormLogin() {  
    syntetica();  
    initComponents();  
}
```

```
public void syntetica() {  
    try {  
        UIManager.setLookAndFeel("de.javasoft.plaf.synthetic.SyntheticBlueMoonLookAndFeel");  
    } catch (Exception e) {  
        e.printStackTrace();  
    }  
}
```

```
public void koneksi() throws SQLException {  
    try {  
        IP = txtIPserver.getText();  
        conn = null;  
        Class.forName("com.mysql.jdbc.Driver");  
        conn = DriverManager.getConnection("jdbc:mysql://" + IP + ":3306/databasekuisipa", "adjie",  
"adjie");  
  
    } catch (ClassNotFoundException ex) {  
        Logger.getLogger(ManageUser.class.getName()).log(Level.SEVERE, null, ex);  
    } catch (SQLException e) {  
        Logger.getLogger(ManageUser.class.getName()).log(Level.SEVERE, null, e);  
    } catch (Exception es) {  
        Logger.getLogger(ManageUser.class.getName()).log(Level.SEVERE, null, es);  
    }  
}
```



```
}
```

```
private void prosesLogin() {  
    String level = "";  
    String username = txtUsername.getText();  
    String password = new String(txtPassword.getPassword());  
    try {  
        koneksi();  
        Statement stmt = conn.createStatement();  
        String sql = "select username,password,level from user where username=" +  
            + username + " AND password = " + password + """;  
  
        ResultSet rs = stmt.executeQuery(sql);  
        while (rs.next()) {  
            level = rs.getString(3);  
            uname = rs.getString("username");  
        }  
  
        if (level.equals("")) {  
            JOptionPane.showMessageDialog(null, "USERNAME atau PASSWORD SALAH");  
        }  
        else {  
            if (level.equals("1")) {  
  
                new menuUtama().setVisible(true);  
  
                this.dispose();  
            }  
        }  
    }  
}
```

```

    } else {
        new menuUtamaGuru().setVisible(true);

        this.dispose();
    }

}

// if (rs.next()) {
//     uname = rs.getString("username");
//     new menuUtama().setVisible(true);

//     // this.dispose();
// } else {
//     JOptionPane.showMessageDialog(null, "username dan password salah");
// }

} catch (Exception e) {
    JOptionPane.showMessageDialog(null, e.getMessage());
}
}

/**
 * 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">//GEN-BEGIN:initComponents

```

```

private void initComponents() {

    txtUsername = new javax.swing.JTextField();
    txtPassword = new javax.swing.JPasswordField();
    btnLogin = new javax.swing.JButton();
    txtIPserver = new javax.swing.JTextField();
    jLabel1 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    setMaximumSize(new java.awt.Dimension(1366, 768));
    setMinimumSize(new java.awt.Dimension(1366, 768));
    setPreferredSize(new java.awt.Dimension(1366, 768));
    setResizable(false);
    getContentPane().setLayout(null);

    txtUsername.setFont(new java.awt.Font("Gothic720 BT", 1, 20)); // NOI18N
    txtUsername.setForeground(new java.awt.Color(130, 171, 58));
    txtUsername.setBorder(javax.swing.BorderFactory.createEmptyBorder(1, 1, 1, 1));
    getContentPane().add(txtUsername);
    txtUsername.setBounds(510, 210, 270, 30);

    txtPassword.setFont(new java.awt.Font("Gothic720 BT", 1, 18)); // NOI18N
    txtPassword.setForeground(new java.awt.Color(130, 171, 58));
    txtPassword.setBorder(javax.swing.BorderFactory.createEmptyBorder(1, 1, 1, 1));
    getContentPane().add(txtPassword);
    txtPassword.setBounds(510, 300, 260, 40);

    btnLogin.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/gambarMenuUtama/buttonLogin.png"))); // NOI18N

```

```

btnLogin.setBorderPainted(false);
btnLogin.setContentAreaFilled(false);
btnLogin.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnLoginActionPerformed(evt);
    }
});
getContentPane().add(btnLogin);
btnLogin.setBounds(580, 420, 183, 60);

txtIPserver.setFont(new java.awt.Font("Gothic720 BT", 1, 18)); // NOI18N
txtIPserver.setForeground(new java.awt.Color(130, 171, 58));
txtIPserver.setBorder(javax.swing.BorderFactory.createEmptyBorder(1, 1, 1, 1));
getContentPane().add(txtIPserver);
txtIPserver.setBounds(990, 30, 270, 40);

jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambarMenuUtama/menu
login.png"))); // NOI18N
getContentPane().add(jLabel1);
jLabel1.setBounds(0, 0, 1370, 760);

pack();
} // </editor-fold> // GEN-END: initComponents

private void btnLoginActionPerformed(java.awt.event.ActionEvent evt) { // GEN-
FIRST:event_btnLoginActionPerformed

    prosesLogin();

```

```

} //GEN-LAST:event_btnLoginActionPerformed

/**
 * @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(FormLogin.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(FormLogin.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(FormLogin.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

```

```
        java.util.logging.Logger.getLogger(FormLogin.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 FormLogin().setVisible(true);
```

```
    }
```

```
});
```

```
}
```

```
// Variables declaration - do not modify//GEN-BEGIN:variables
```

```
private javax.swing.JButton btnLogin;
```

```
private javax.swing.JLabel jLabel1;
```

```
private javax.swing.JTextField txtIPserver;
```

```
private javax.swing.JPasswordField txtPassword;
```

```
private javax.swing.JTextField txtUsername;
```

```
// End of variables declaration//GEN-END:variables
```

```
}
```

```
/*
```

```
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```

```
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```

```
* and open the template in the editor.
```

```
*/
```

```
package pembelajaranIPA;
```

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import javax.swing.JTable;
import javax.swing.UIManager;
import javax.swing.table.DefaultTableModel;
import org.jfree.data.category.DefaultCategoryDataset;
import org.jfree.chart.JFreeChart;
import org.jfree.chart.ChartFactory;
import org.jfree.chart.ChartFrame;
import org.jfree.chart.ChartUtilities;
import org.jfree.chart.plot.CategoryPlot;
import org.jfree.chart.plot.PlotOrientation;
import org.jfree.chart.renderer.category.BarRenderer;
import org.jfree.data.general.DefaultPieDataset;
import org.jfree.data.jdbc.JDBCCategoryDataset;
import static pembelajaranIPA.nilai.namaUser;

/**
 *
 * @author adjie
 */
public class HistoryNilaiGuru extends javax.swing.JFrame {
```

```
/**
 * Creates new form panelNilaiGuru
 */

public static String IP = FormLogin.IP;

private static String MYSQL_JDBC_DRIVER = "com.mysql.jdbc.Driver";
private static String JDBC_URL = "jdbc:mysql://"+IP+"/banknilai?user=adjie&password=adjie";
Statement stmt = null;
public Connection conn;

DefaultTableModel tabelUser = new DefaultTableModel();
JTable table = new JTable(tabelUser);

private static Connection getDBConnection() throws SQLException {
    try {
        Class.forName(MYSQL_JDBC_DRIVER);
    } catch (ClassNotFoundException e) {
        System.err.println("ClassNotFoundException: ");
        System.err.println(e.getMessage());
    }

    return DriverManager.getConnection(JDBC_URL);
}

public HistoryNilaiGuru() {
    syntetica();
}
```



```

initComponents();

tabelUser.addColumn("nilai");
bukaSiswa();
tampilkanTabel();
}

public void syntetica() {
    try {
        UIManager.setLookAndFeel("de.javasoft.plaf.synthetica.SyntheticBlueMoonLookAndFeel");
    } catch (Exception e) {
        e.printStackTrace();
    }
}

public void koneksi() throws SQLException {
    try {
        conn = null;
        Class.forName("com.mysql.jdbc.Driver");
        conn = DriverManager.getConnection("jdbc:mysql://"+IP+":3306/banknilai", "adjie", "adjie");

    } catch (ClassNotFoundException ex) {
        Logger.getLogger(nilai.class.getName()).log(Level.SEVERE, null, ex);
    } catch (SQLException e) {
        Logger.getLogger(nilai.class.getName()).log(Level.SEVERE, null, e);
    } catch (Exception es) {
        Logger.getLogger(nilai.class.getName()).log(Level.SEVERE, null, es);
    }
}

```

```
}
```

```
public void bukaSiswa() {
```

```
    try {
```

```
        koneksi();
```

```
        String sql = "show tables";
```

```
        Statement stat = conn.createStatement();
```

```
        ResultSet rs = stat.executeQuery(sql);
```

```
        while (rs.next()) {
```

```
            cboPilihSiswa.addItem(rs.getString(1));
```

```
        }
```

```
    } catch (Exception e) {
```

```
    }
```

```
}
```

```
public void tampilkanTabel() {
```

```
BersihkanTabel();
```

```
String siswa = cboPilihSiswa.getItemAt(cboPilihSiswa.getSelectedIndex()).toString();
```

```
    try {
```

```
        koneksi();
```

```
        String sql = "select ujian from "+siswa+"";
```

```
        Statement stat = conn.createStatement();
```

```
        ResultSet rs = stat.executeQuery(sql);
```

```

while (rs.next()) {

    tabelUser.addRow(new Object[]{rs.getString(1)});

}

tabelNilaiSiswa.setModel(tabelUser);

} catch (Exception e) {
}
}

public void tampilGraphic() {
    try {
        String siswa = cboPilihSiswa.getItemAt(cboPilihSiswa.getSelectedIndex()).toString();

        String sql = "select no,ujian from " + siswa + ";";
        JDBCCategoryDataset dataset = new JDBCCategoryDataset(getDBConnection(), sql);

        JFreeChart chart = ChartFactory.createLineChart("Chart History Nilai", "kuis ke -", "nilai", dataset,
        PlotOrientation.VERTICAL, false, true, true);

        BarRenderer renderer = null;
        CategoryPlot plot = null;
        renderer = new BarRenderer();
        ChartFrame frame = new ChartFrame("Query Chart", chart);
        frame.setVisible(true);
        frame.setSize(400, 650);
    } catch (Exception e) {
        JOptionPane.showMessageDialog(null, e);
    }
}

```

```
}
```

```
public void BersihTabel() {  
    int baris = tabelUser.getRowCount();  
    for (int a = 0; a < baris; a++) {  
        tabelUser.removeRow(0);  
    }  
}
```

```
/**
```

```
* 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">//GEN-BEGIN: initComponents
```

```
private void initComponents() {  
  
    jButton2 = new javax.swing.JButton();  
    jPanel3 = new javax.swing.JPanel();  
    jPanel1 = new javax.swing.JPanel();  
    cboPilihSiswa = new javax.swing.JComboBox();  
    jPanel2 = new javax.swing.JPanel();  
    jScrollPane1 = new javax.swing.JScrollPane();  
    tabelNilaiSiswa = new javax.swing.JTable();  
    jButton1 = new javax.swing.JButton();  
    jButton3 = new javax.swing.JButton();  
  
    jButton2.setText("jButton2");
```



```
jPanel1Layout.setVerticalGroup(  
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
    .addGroup(jPanel1Layout.createSequentialGroup()  
        .addContainerGap()  
        .addComponent(cboPilihSiswa, javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)  
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))  
    );
```

```
jPanel2.setBackground(new java.awt.Color(255, 255, 255));  
jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder("Nilai"));
```

```
tabelNilaiSiswa.setModel(new javax.swing.table.DefaultTableModel(  
    new Object [][] {  
        {null, null, null, null},  
        {null, null, null, null},  
        {null, null, null, null},  
        {null, null, null, null}  
    },  
    new String [] {  
        "Title 1", "Title 2", "Title 3", "Title 4"  
    }  
));
```

```
jScrollPane1.setViewportView(tabelNilaiSiswa);
```

```
javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);  
jPanel2.setLayout(jPanel2Layout);  
jPanel2Layout.setHorizontalGroup(  
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```

        .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 618, Short.MAX_VALUE)
    );
    jPanel2Layout.setVerticalGroup(
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 286, javax.swing.GroupLayout.PREFERRED_SIZE)
    );

    jButton1.setText("Grafik");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });

    jButton3.setText("Back");
    jButton3.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton3ActionPerformed(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(15, 15, 15)
            .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 100, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(15, 15, 15)
            .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 100, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(15, true))
    );

```

```

        .addGroup(jPanel3Layout.createSequentialGroup())
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 73,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 73,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE))
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addContainerGap()
    );
    jPanel3Layout.setVerticalGroup(
        jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addContainerGap()
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
false)
                .addComponent(jButton1, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jPanel1, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jButton3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(17, Short.MAX_VALUE))
    );

```



```

    getContentPane().add(jPanel3);

    jPanel3.setBounds(0, 0, 650, 470);

    pack();
} // </editor-fold> //GEN-END:initComponents

private void cboPilihSiswaActionPerformed(java.awt.event.ActionEvent evt) //GEN-
FIRST:event_cboPilihSiswaActionPerformed

    tampilkanTabel();

    //
} //GEN-LAST:event_cboPilihSiswaActionPerformed

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) //GEN-
FIRST:event_jButton1ActionPerformed

    tampilGraphic();

} //GEN-LAST:event_jButton1ActionPerformed

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) //GEN-
FIRST:event_jButton3ActionPerformed

    new menuUtamaGuru().setVisible(true);

    dispose();

} //GEN-LAST:event_jButton3ActionPerformed

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

    } catch (InstantiationException ex) {

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

    } catch (IllegalAccessException ex) {

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

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(HistoryNilaiGuru.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 HistoryNilaiGuru().setVisible(true);
    }
});
}
```

```
// Variables declaration - do not modify//GEN-BEGIN:variables
```

```
private javax.swing.JComboBox cboPilihSiswa;
```

```
private javax.swing.JButton jButton1;
```

```
private javax.swing.JButton jButton2;
```

```
private javax.swing.JButton jButton3;
```

```
private javax.swing.JPanel jPanel1;
```

```
private javax.swing.JPanel jPanel2;
```

```
private javax.swing.JPanel jPanel3;
```

```
private javax.swing.JScrollPane jScrollPane1;
```

```
private javax.swing.JTable tabelNilaiSiswa;
```

```
// End of variables declaration//GEN-END:variables
```

```
}
```

```
/*
```

```
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```

```
* To change this template file, choose Tools | Templates
```

```
* and open the template in the editor.
```

```
*/
```

```
package pembelajaranIPA;
```

```
import java.util.logging.Level;
```

```
import java.util.logging.Logger;
```

```
import javax.swing.*;
```

```
import java.sql.Statement;
```

```
import java.io.File;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import javax.swing.JFileChooser;
import java.sql.*;
import javax.sound.sampled.AudioInputStream;
import javax.sound.sampled.AudioSystem;
import javax.sound.sampled.Clip;

/**
 *
 * @author adjie
 */
public class update extends javax.swing.JFrame {
    Clip clip;
    Clip activeClip;
    String namaGambar;
    String namaSuara;
    Statement stmt = null;
    ResultSet rs;
    public Connection conn;
    int idMax;
    public static String IP = FormLogin.IP;

    public update() {
        tampilanBagus();
        initComponents();
        bukaBab();
    }
}
```

```
bukaBabSuara();  
bukaJenisKuis();  
nomorSoal();  
tampilSoal();  
urutNo();  
cboJenisKuis.removeItem("user");
```

```
}
```

```
public void koneksi() throws SQLException {  
    try {  
        conn = null;  
        Class.forName("com.mysql.jdbc.Driver");  
        conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/databaseipa", "adjie",  
"adjie");
```

```
    } catch (ClassNotFoundException ex) {  
        Logger.getLogger(update.class.getName()).log(Level.SEVERE, null, ex);  
    } catch (SQLException e) {  
        Logger.getLogger(update.class.getName()).log(Level.SEVERE, null, e);  
    } catch (Exception es) {  
        Logger.getLogger(update.class.getName()).log(Level.SEVERE, null, es);  
    }  
}
```

```
}
```

```
public void koneksiDua() throws SQLException {  
    try {  
        conn = null;
```

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

conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/databasekuisipa", "adjie",
"adjie");

} catch (ClassNotFoundException ex) {
    Logger.getLogger(update.class.getName()).log(Level.SEVERE, null, ex);
} catch (SQLException e) {
    Logger.getLogger(update.class.getName()).log(Level.SEVERE, null, e);
} catch (Exception es) {
    Logger.getLogger(update.class.getName()).log(Level.SEVERE, null, es);
}

}

public void bukaBab() {

    try {

        koneksi();

        String sql = "show tables";

        Statement stat = conn.createStatement();

        ResultSet res = stat.executeQuery(sql);

        while (res.next()) {

            cboBab.addItem(res.getString(1));

        }

    }

}
```

```
    } catch (Exception e) {  
    }
```

```
}
```

```
public void bukaMateri() {
```

```
    try {
```

```
        String bab = cboBab.getItemAt(cboBab.getSelectedIndex()).toString();
```

```
        String no = cboNo.getItemAt(cboNo.getSelectedIndex()).toString();
```

```
        koneksi();
```

```
        Statement stmt = conn.createStatement(ResultSet.TYPE_SCROLL_INSENSITIVE,  
        ResultSet.CONCUR_UPDATABLE);
```

```
        String sql2 = "Select * from " + bab + " where nomor=" + no + "";
```

```
        rs = stmt.executeQuery(sql2);
```

```
        while (rs.next()) {
```

```
            String gambar = rs.getString("gambar");
```

```
            txtGambarMateri.setText(gambar);
```

```
            ImagemIcon icon = new ImagemIcon("../pembelajaranIPA/src/gambarMateri/" + gambar + "");
```

```
            icon = new ImagemIcon(icon.getImage());
```

```
            lbltampilMateri.setIcon(icon);
```

```
        }
```

```
    } catch (Exception e) {
```

```
    }
```

```
}
```

```
public void nomorMateri() {
```

```
    try {
```

```
        String bab = cboBab.getItemAt(cboBab.getSelectedIndex()).toString();
```

```
        koneksi();
```

```
        String sql = "select nomor from " + bab + "";
```

```
        Statement stat = conn.createStatement();
```

```
        ResultSet res = stat.executeQuery(sql);
```

```
        while (res.next()) {
```

```
            cboNo.addItem(res.getString(1));
```

```
        }
```

```
    } catch (Exception e) {
```

```
    }
```

```
}
```

```
public void simpanGambar() {
```

```
    String bab = cboBab.getItemAt(cboBab.getSelectedIndex()).toString();
```

```
    String no = cboNo.getItemAt(cboNo.getSelectedIndex()).toString();
```

```
    try {
```

```
        koneksi();
```



```

System.out.println("Connected database successfully...");

//STEP 4: Execute a query
System.out.println("Creating table in given database...");
stmt = conn.createStatement();

String sql = "UPDATE " + bab + " SET "
    + "gambar=" + namaGambar + ""
    + "WHERE nomor=" + no + ";";

stmt.executeUpdate(sql);
System.out.println("Created table in given database...");

} catch (SQLException se) {
} catch (Exception e) {
}
}

public void cariGambar() {

JFileChooser chooser = new JFileChooser();

if (chooser.showOpenDialog(lbltampilMateri) == JFileChooser.APPROVE_OPTION) {
    File f = chooser.getSelectedFile();
    if (f != null) { // Make sure the user didn't choose a directory.

        namaGambar = f.getName();

        txtGambarMateri.setText(namaGambar);

```

```
        ImageIcon icon = new ImageIcon("../pembelajaranIPA\\src\\gambarMateri\\" + namaGambar
+ "");
        icon = new ImageIcon(icon.getImage());
        lbltampilMateri.setIcon(icon);
    }
}
}
```

```
public void bukaJenisKuis() {
    try {

        koneksiDua();
        String sql = "show tables";
        Statement stat = conn.createStatement();
        ResultSet res = stat.executeQuery(sql);

        while (res.next()) {

            cboJenisKuis.addItem(res.getString(1));

        }

    } catch (Exception e) {
    }
}
```

```
public void cariGambarSoal() {
    String path = null;
    Object selected = cboJenisKuis.getSelectedItem();
```

```
JFileChooser chooser = new JFileChooser();
```

```
if (chooser.showOpenDialog(tampilSoal) == JFileChooser.APPROVE_OPTION) {
```

```
    File f = chooser.getSelectedFile();
```

```
    if (f != null) { // Make sure the user didn't choose a directory.
```

```
        namaGambar = f.getName();
```

```
        if (selected.toString().equals("kuis")) {
```

```
            path = "..\\pembelajaranIPA\\src\\gambarSoal\\" + namaGambar + "";
```

```
        } else if (selected.toString().equals("latihan1")) {
```

```
            path = "..\\pembelajaranIPA\\src\\gambarSoalLatihan1\\" + namaGambar + "";
```

```
        } else if (selected.toString().equals("latihan2")) {
```

```
            path = "..\\pembelajaranIPA\\src\\gambarSoalLatihan2\\" + namaGambar + "";
```

```
        } else if (selected.toString().equals("latihan3")) {
```

```
            path = "..\\pembelajaranIPA\\src\\gambarSoalLatihan3\\" + namaGambar + "";
```

```
        } else if (selected.toString().equals("latihan4")) {
```

```
            path = "..\\pembelajaranIPA\\src\\gambarSoalLatihan4\\" + namaGambar + "";
```

```
        } else if (selected.toString().equals("latihan5")) {
```

```
            path = "..\\pembelajaranIPA\\src\\gambarSoalLatihan5\\" + namaGambar + "";
```

```
        } else if (selected.toString().equals("latihan6")) {
```

```
            path = "..\\pembelajaranIPA\\src\\gambarSoalLatihan6\\" + namaGambar + "";
```

```
        } else if (selected.toString().equals("latihan7")) {
```

```

        path = "..\\pembelajaranIPA\\src\\gambarSoalLatihan7\\" + namaGambar + "";

    } else if (selected.toString().equals("latihan8")) {
        path = "..\\pembelajaranIPA\\src\\gambarSoalLatihan8\\" + namaGambar + "";
    }

    txtGambarSoal.setText(namaGambar);
    ImageIcon icon = new ImageIcon(path);
    icon = new ImageIcon(icon.getImage());
    tampilSoal.setIcon(icon);
}

}

}

public voidurutNo() {
    String jenisKuis = cboJenisKuis.getItemAt(cboJenisKuis.getSelectedIndex()).toString();
    try {
        koneksiDua();
        String sql = "select max(no) as no_tinggi from " + jenisKuis + "";
        Statement stat = conn.createStatement();
        ResultSet rs = stat.executeQuery(sql);

        if (rs.next()) {
            idMax = rs.getInt("no_tinggi");
        }

        txtNo.setText((idMax + 1) + "");
    } catch (SQLException ex) {

```

```

        Logger.getLogger(update.class.getName()).log(Level.SEVERE, null, ex);
    }

}

public void nomorSoal() {
    cboNoSoal.removeAllItems();
    String jenisKuis = cboJenisKuis.getItemAt(cboJenisKuis.getSelectedIndex()).toString();
    try {

        koneksiDua();
        String sql = "select no from " + jenisKuis + "";
        Statement stat = conn.createStatement();
        ResultSet res = stat.executeQuery(sql);

        while (res.next()) {

            cboNoSoal.addItem(res.getString(1));

        }

    } catch (Exception e) {
    }

}

public void tampilSoal() {

    try {

```

```
koneksiDua());
```

```
String path = null;
```

```
String jenisKuis = cboJenisKuis.getItemAt(cboJenisKuis.getSelectedIndex()).toString();
```

```
String no = cboNoSoal.getItemAt(cboNoSoal.getSelectedIndex()).toString();
```

```
Object selected = cboJenisKuis.getSelectedItem();
```

```
Statement stmt = conn.createStatement(ResultSet.TYPE_SCROLL_INSENSITIVE,  
ResultSet.CONCUR_UPDATABLE);
```

```
String sql2 = "Select * from " + jenisKuis + " where no=" + no + "";
```

```
rs = stmt.executeQuery(sql2);
```

```
while (rs.next()) {
```

```
    String soal = rs.getString("soal");
```

```
    if (selected.toString().equals("kuis")) {
```

```
        path = "..\\pembelajaranIPA\\src\\gambarSoal\\" + soal + "";
```

```
    } else if (selected.toString().equals("latihan1")) {
```

```
        path = "..\\pembelajaranIPA\\src\\gambarSoalLatihan1\\" + soal + "";
```

```
    } else if (selected.toString().equals("latihan2")) {
```

```
        path = "..\\pembelajaranIPA\\src\\gambarSoalLatihan2\\" + soal + "";
```

```
    } else if (selected.toString().equals("latihan3")) {
```

```
        path = "..\\pembelajaranIPA\\src\\gambarSoalLatihan3\\" + soal + "";
```

```
    } else if (selected.toString().equals("latihan4")) {
```

```

        path = "..\\pembelajaranIPA\\src\\gambarSoalLatihan4\\" + soal + "";

    } else if (selected.toString().equals("latihan5")) {
        path = "..\\pembelajaranIPA\\src\\gambarSoalLatihan5\\" + soal + "";

    } else if (selected.toString().equals("latihan6")) {
        path = "..\\pembelajaranIPA\\src\\gambarSoalLatihan6\\" + soal + "";

    } else if (selected.toString().equals("latihan7")) {
        path = "..\\pembelajaranIPA\\src\\gambarSoalLatihan7\\" + soal + "";

    } else if (selected.toString().equals("latihan8")) {
        path = "..\\pembelajaranIPA\\src\\gambarSoalLatihan8\\" + soal + "";
    }

    ImagemIcon icon = new ImagemIcon(path);
    icon = new ImagemIcon(icon.getImage());
    tampilSoal.setIcon(icon);
    txtGambarSoal.setText(soal);

    cboKunci.setSelectedItem(rs.getString("kunci"));
}

} catch (Exception e) {
}

}

public void simpanSoalBaru() {

```

```

try {
    String kunci = cboKunci.getItemAt(cboKunci.getSelectedIndex()).toString();

    String jenisKuis = cboJenisKuis.getItemAt(cboJenisKuis.getSelectedIndex()).toString();
    String noMax = txtNo.getText();

    koneksiDua();
    System.out.println("Connected database successfully...");

    // STEP 4: Execute a query
    System.out.println("Creating table in given database...");
    stmt = conn.createStatement();

    String sql = "INSERT INTO " + jenisKuis + " VALUES('" + noMax + "','" + namaGambar + "','" + kunci
+ "')";

    stmt.executeUpdate(sql);
    System.out.println("Created table in given database...");
    // txtSoal.setText("");

} catch (SQLException se) {
} catch (Exception e) {
}

}

public void simpanEditSoal() {

    try {

```



```

String no = cboNoSoal.getItemAt(cboNoSoal.getSelectedIndex()).toString();
String jenisKuis = cboJenisKuis.getItemAt(cboJenisKuis.getSelectedIndex()).toString();
String kunci = cboKunci.getItemAt(cboKunci.getSelectedIndex()).toString();
String soal = tampilSoal.getText();
String gambarSoal = txtGambarSoal.getText();

koneksiDua());
System.out.println("Connected database successfully...");

//STEP 4: Execute a query
System.out.println("Creating table in given database...");
stmt = conn.createStatement();

String sql = "UPDATE " + jenisKuis + " SET "
    + "soal=" + gambarSoal + ""
    + ",kunci=" + kunci + ""
    + "WHERE no=" + no + ";";

stmt.executeUpdate(sql);
System.out.println("Created table in given database...");
//    txtSoal.setText("");

} catch (SQLException se) {
} catch (Exception e) {
}

}

public void hapusSoal() {

```

```

try {
    String no = cboNoSoal.getItemAt(cboNoSoal.getSelectedIndex()).toString();
    String jenisKuis = cboJenisKuis.getItemAt(cboJenisKuis.getSelectedIndex()).toString();
    koneksiDua();
    System.out.println("Connected database successfully...");

    //STEP 4: Execute a query
    System.out.println("Creating table in given database...");
    stmt = conn.createStatement();

    String sql = "delete from " + jenisKuis + " where no=" + no + """;

    stmt.executeUpdate(sql);
    System.out.println("Created table in given database...");

} catch (SQLException se) {
} catch (Exception e) {
}
}

public void bukaBabSuara() {

try {

    koneksi();
    String sql = "show tables";
    Statement stat = conn.createStatement();
    ResultSet res = stat.executeQuery(sql);

```

```

while (res.next()) {

    cboBabSuara.addItem(res.getString(1));

}

} catch (Exception e) {
}

}

public void nomorSuaraMateri(){

String babSuara = cboBabSuara.getItemAt(cboBabSuara.getSelectedIndex()).toString();
try {
    koneksi();

    String sql = "select nomor from "+babSuara+"";
    Statement stat = conn.createStatement();
    ResultSet res = stat.executeQuery(sql);

    while (res.next()) {

        cboHalSuara.addItem(res.getString(1));

    }
} catch (SQLException ex) {

    Logger.getLogger(update.class.getName()).log(Level.SEVERE, null, ex);
}
}

```

```
}  
}
```

```
public void tampilNamaSuara() {  
    String suaraMateri;  
    String babSuara = cboBabSuara.getItemAt(cboBabSuara.getSelectedIndex()).toString();  
    String noSuara = cboHalSuara.getItemAt(cboHalSuara.getSelectedIndex()).toString();  
    try {  
        koneksi();  
        String sql = "select suara from "+babSuara+" where nomor =" +noSuara+"";  
        Statement stat = conn.createStatement();  
        ResultSet res = stat.executeQuery(sql);  
  
        while (res.next()) {  
            suaraMateri = res.getString("suara");  
            txtSuaraMateri.setText(suaraMateri);  
  
        }  
    } catch (SQLException ex) {  
        Logger.getLogger(update.class.getName()).log(Level.SEVERE, null, ex);  
    }  
}
```

```
public void cariSuara(){  
  
    JFileChooser chooser = new JFileChooser();  
  
    if (chooser.showOpenDialog(lbltampilMateri) == JFileChooser.APPROVE_OPTION) {  
        File f = chooser.getSelectedFile();
```

```
if (f != null) { // Make sure the user didn't choose a directory.
```

```
    namaSuara = f.getName();
```

```
    txtSuaraMateri.setText(namaSuara);
```

```
    }
```

```
    }
```

```
}
```

```
public void testPlaySuara() {
```

```
    String suaraMateri = txtSuaraMateri.getText();
```

```
    if (activeClip != null) {
```

```
        activeClip.stop();
```

```
        activeClip = null;
```

```
        jButton4.setText("Play");
```

```
    } else {
```

```
        try {
```

```
            jButton4.setText("Stop");
```

```
            Clip clip = AudioSystem.getClip();
```

```
            clip.stop();
```

```
            AudioInputStream inputStream = AudioSystem.getAudioInputStream(new  
File("src/suara/"+suaraMateri+"));
```

```
            clip.open(inputStream);
```

```
            clip.start();
```

```
            activeClip = clip;
```

```
        } catch (Exception e) {
```

```
        System.out.println("musik gagal");
    }
}
}
```

```
public void simpanSuara() {
    try {
        String Bab = cboBabSuara.getItemAt(cboBabSuara.getSelectedIndex()).toString();
        String Hal = cboHalSuara.getItemAt(cboHalSuara.getSelectedIndex()).toString();

        String namaSuara = txtSuaraMateri.getText();

        koneksi();
        System.out.println("Connected database successfully...");
        stmt = conn.createStatement();

        String sql = "UPDATE " + Bab + " SET "
            + "suara=" + namaSuara + ""
            + "WHERE nomor=" + Hal + ";;";

        stmt.executeUpdate(sql);
        System.out.println("Created table in given database...");
        //      txtSoal.setText("");
    } catch (SQLException se) {
    } catch (Exception e) {
    }
}
```

```
}  
public void tampilanBagus() {  
    try {  
        UIManager.setLookAndFeel("de.javasoft.plaf.synthetica.SyntheticBlueMoonLookAndFeel");  
    } catch (Exception e) {  
        e.printStackTrace();  
    }  
}
```

```
/**
```

```
* 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">//GEN-BEGIN: initComponents
```

```
private void initComponents() {
```

```
    jTabbedPane1 = new javax.swing.JTabbedPane();
```

```
    jPanel1 = new javax.swing.JPanel();
```

```
    jLabel1 = new javax.swing.JLabel();
```

```
    jLabel2 = new javax.swing.JLabel();
```

```
    cboBab = new javax.swing.JComboBox();
```

```
    cboNo = new javax.swing.JComboBox();
```

```
    txtGambarMateri = new javax.swing.JTextField();
```

```
    btnEdit = new javax.swing.JButton();
```

```
    jScrollPane1 = new javax.swing.JScrollPane();
```

```
    lbltampilMateri = new javax.swing.JLabel();
```

```
    btnSave = new javax.swing.JButton();
```

```
btnBack = new javax.swing.JButton();
jPanel2 = new javax.swing.JPanel();
jPanel3 = new javax.swing.JPanel();
jScrollPane2 = new javax.swing.JScrollPane();
tampilSoal = new javax.swing.JLabel();
jPanel4 = new javax.swing.JPanel();
jLabel5 = new javax.swing.JLabel();
buttonSimpanDataBaru = new javax.swing.JButton();
buttonUpdate = new javax.swing.JButton();
buttonHapus = new javax.swing.JButton();
cboKunci = new javax.swing.JComboBox();
jPanel5 = new javax.swing.JPanel();
cboNoSoal = new javax.swing.JComboBox();
btnEditSoal = new javax.swing.JButton();
cboJenisKuis = new javax.swing.JComboBox();
txtGambarSoal = new javax.swing.JTextField();
jButton2 = new javax.swing.JButton();
txtNo = new javax.swing.JTextField();
jLabel3 = new javax.swing.JLabel();
jPanel6 = new javax.swing.JPanel();
jPanel7 = new javax.swing.JPanel();
jButton1 = new javax.swing.JButton();
jPanel8 = new javax.swing.JPanel();
jButton3 = new javax.swing.JButton();
cboBabSuara = new javax.swing.JComboBox();
cboHalSuara = new javax.swing.JComboBox();
txtSuaraMateri = new javax.swing.JTextField();
jLabel4 = new javax.swing.JLabel();
jLabel6 = new javax.swing.JLabel();
```



```
jPanel9 = new javax.swing.JPanel();
jButton4 = new javax.swing.JButton();
jPanel10 = new javax.swing.JPanel();
jButton5 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setMaximumSize(new java.awt.Dimension(1366, 768));
setMinimumSize(new java.awt.Dimension(1366, 768));
setPreferredSize(new java.awt.Dimension(1366, 768));
setResizable(false);

jLabel1.setText("BAB");

jLabel2.setText("Halaman");

cboBab.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cboBabActionPerformed(evt);
    }
});

cboNo.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cboNoActionPerformed(evt);
    }
});

txtGambarMateri.setEditable(false);
```



```

        .addContainerGap()

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

        .addGroup(jPanel1Layout.createSequentialGroup())

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel2))
        .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(cboBab, 0, 134, Short.MAX_VALUE)
        .addComponent(cboNo, 0, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)))
        .addComponent(txtGambarMateri))
        .addGap(18, 18, 18)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(btnSave, javax.swing.GroupLayout.PREFERRED_SIZE, 69,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(btnEdit, javax.swing.GroupLayout.PREFERRED_SIZE, 69,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(btnBack)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addGroup(jPanel1Layout.createSequentialGroup())
        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 1324,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 85, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```

        .addGroup(jPanel1Layout.createSequentialGroup())
            .addContainerGap()
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                .addGroup(jPanel1Layout.createSequentialGroup())

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel1)
            .addComponent(cboBab, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(btnEdit))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel2)
            .addComponent(cboNo, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(btnSave)))
            .addComponent(btnBack, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addGap(18, 18, 18)
            .addComponent(txtGambarMateri, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 621,
Short.MAX_VALUE)
        );

        jTabbedPane1.addTab("Update Materi", jPanel1);

        jPanel3.setBackground(new java.awt.Color(255, 255, 255));

```

```
jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.createEtchedBorder(), "Soal"));
```

```
jScrollPane2.setViewportView(tampilSoal);
```

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

```
jPanel3.setLayout(jPanel3Layout);
```

```
jPanel3Layout.setHorizontalGroup(
```

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

```
        .addComponent(jScrollPane2, javax.swing.GroupLayout.DEFAULT_SIZE, 930, Short.MAX_VALUE)
```

```
);
```

```
jPanel3Layout.setVerticalGroup(
```

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

```
        .addComponent(jScrollPane2, javax.swing.GroupLayout.Alignment.TRAILING)
```

```
);
```

```
jPanel4.setBorder(javax.swing.BorderFactory.createEtchedBorder());
```

```
jLabel5.setText("Kunci :");
```

```
buttonSimpanDataBaru.setText("Simpan Data Baru");
```

```
buttonSimpanDataBaru.addActionListener(new java.awt.event.ActionListener() {
```

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

```
        buttonSimpanDataBaruActionPerformed(evt);
```

```
    }
```

```
});
```

```
buttonUpdate.setText("update");
```

```
buttonUpdate.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        buttonUpdateActionPerformed(evt);  
    }  
});
```

```
buttonHapus.setText("Hapus");  
buttonHapus.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        buttonHapusActionPerformed(evt);  
    }  
});
```

```
cboKunci.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "A", "B", "C", "D" }));
```

```
javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);  
jPanel4.setLayout(jPanel4Layout);  
jPanel4Layout.setHorizontalGroup(  
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,  
jPanel4Layout.createSequentialGroup()  
            .addGap()  
            .addComponent(jLabel5)  
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)  
            .addComponent(cboKunci, javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)  
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 127,  
Short.MAX_VALUE)  
            .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,  
false)
```

```

        .addComponent(buttonUpdate, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addComponent(buttonSimpanDataBaru, javax.swing.GroupLayout.DEFAULT_SIZE, 134,
Short.MAX_VALUE)

        .addComponent(buttonHapus, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

        .addGap(98, 98, 98))
);

jPanel4Layout.setVerticalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup())
            .addGap(18, 18, 18)
            .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel4Layout.createSequentialGroup())
                    .addComponent(buttonUpdate)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                    .addComponent(buttonSimpanDataBaru)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                    .addComponent(buttonHapus))
                .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel5)
                    .addComponent(cboKunci, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addContainerGap(29, Short.MAX_VALUE))
);

jPanel5.setBorder(javax.swing.BorderFactory.createEtchedBorder());

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

```

```
public void actionPerformed(java.awt.event.ActionEvent evt) {  
    cboNoSoalActionPerformed(evt);  
}  
});
```

```
btnEditSoal.setText("Cari");  
btnEditSoal.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        btnEditSoalActionPerformed(evt);  
    }  
});
```

```
cboJenisKuis.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        cboJenisKuisActionPerformed(evt);  
    }  
});
```

```
javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);  
jPanel5.setLayout(jPanel5Layout);  
jPanel5Layout.setHorizontalGroup(  
    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(jPanel5Layout.createSequentialGroup()  
            .addGap(8, 8, 8)  
            .addComponent(cboJenisKuis, 0, 62, Short.MAX_VALUE)  
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)  
            .addComponent(cboNoSoal, javax.swing.GroupLayout.PREFERRED_SIZE, 66,  
                javax.swing.GroupLayout.PREFERRED_SIZE)  
            .addGap(75, 75, 75)
```



```

        .addComponent(btnEditSoal, javax.swing.GroupLayout.PREFERRED_SIZE, 78,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap()
    );
    jPanel5Layout.setVerticalGroup(
        jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel5Layout.createSequentialGroup()
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(cboNoSoal, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(btnEditSoal)
                .addComponent(cboJenisKuis, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addContainerGap()
        );

    txtGambarSoal.setEditable(false);

    jButton2.setText("back");
    jButton2.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton2ActionPerformed(evt);
        }
    });

    txtNo.setEditable(false);

    jLabel3.setText("soal selanjutnya");

```

```

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(10, 10, 10)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(10, 10, 10)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(10, 10, 10)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jPanel5, javax.swing.GroupLayout.PREFERRED_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(txtGambarSoal, javax.swing.GroupLayout.PREFERRED_SIZE, 134,
                        javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jButton2)
                .addGap(18, 18, 18)
                .addComponent(jLabel3)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(txtNo, javax.swing.GroupLayout.PREFERRED_SIZE, 28,
                    javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGap(0, 0, Short.MAX_VALUE))
        );
jPanel2Layout.setVerticalGroup(

```

```

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
    .addContainerGap()
    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
    .addComponent(jPanel5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jButton2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel3)
    .addComponent(txtNo, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
    .addGap(5, 5, 5)
    .addComponent(txtGambarSoal, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addGap(122, 122, 122))
    .addGroup(jPanel2Layout.createSequentialGroup()
    .addGap(42, 42, 42)
    .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addContainerGap(503, Short.MAX_VALUE))))
);

jTabbedPane1.addTab("Update Kuis", jPanel2);

```

```
jPanel7.setBorder(javax.swing.BorderFactory.createEtchedBorder());
```

```
jButton1.setText("Cari");
```

```
jButton1.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton1ActionPerformed(evt);  
    }  
});
```

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

```
jPanel7.setLayout(jPanel7Layout);
```

```
jPanel7Layout.setHorizontalGroup(  
    jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE, 100, Short.MAX_VALUE)  
);
```

```
jPanel7Layout.setVerticalGroup(  
    jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 51,  
    javax.swing.GroupLayout.PREFERRED_SIZE)  
);
```

```
jPanel8.setBorder(javax.swing.BorderFactory.createEtchedBorder());
```

```
jButton3.setText("back");
```

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

```
jPanel8.setLayout(jPanel8Layout);
```

```
jPanel8Layout.setHorizontalGroup(  
    jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addComponent(jButton3, javax.swing.GroupLayout.DEFAULT_SIZE, 100, Short.MAX_VALUE)  
);
```

```
jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jButton3, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, 104, Short.MAX_VALUE)
);
jPanel8Layout.setVerticalGroup(
    jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jButton3, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 50, javax.swing.GroupLayout.PREFERRED_SIZE)
);

cboBabSuara.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cboBabSuaraActionPerformed(evt);
    }
});

cboHalSuara.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cboHalSuaraActionPerformed(evt);
    }
});

txtSuaraMateri.setEditable(false);

jLabel4.setText("Bab");

jLabel6.setText("Hal");

jPanel9.setBorder(javax.swing.BorderFactory.createEtchedBorder());
```

```
jButton4.setText("play");
```

```
jButton4.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton4ActionPerformed(evt);  
    }  
});
```

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

```
jPanel9.setLayout(jPanel9Layout);
```

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

```
        .addComponent(jButton4, javax.swing.GroupLayout.DEFAULT_SIZE, 100, Short.MAX_VALUE)
```

```
);
```

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

```
        .addComponent(jButton4, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
);
```

```
jPanel10.setBorder(javax.swing.BorderFactory.createEtchedBorder());
```

```
jButton5.setText("simpan");
```

```
jButton5.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton5ActionPerformed(evt);  
    }  
});
```

```

javax.swing.GroupLayout jPanel10Layout = new javax.swing.GroupLayout(jPanel10);
jPanel10.setLayout(jPanel10Layout);
jPanel10Layout.setHorizontalGroup(
    jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jButton5, javax.swing.GroupLayout.DEFAULT_SIZE, 100, Short.MAX_VALUE)
);
jPanel10Layout.setVerticalGroup(
    jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jButton5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);

javax.swing.GroupLayout jPanel6Layout = new javax.swing.GroupLayout(jPanel6);
jPanel6.setLayout(jPanel6Layout);
jPanel6Layout.setHorizontalGroup(
    jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel6Layout.createSequentialGroup()
            .addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel6Layout.createSequentialGroup()
                    .addComponent(txtSuaraMateri)
                )
                .addGroup(jPanel6Layout.createSequentialGroup()
                    .addComponent(jButton5, javax.swing.GroupLayout.DEFAULT_SIZE, 100, Short.MAX_VALUE)
                )
            )
        )
);
jPanel6Layout.setVerticalGroup(
    jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel6Layout.createSequentialGroup()
            .addComponent(jLabel6)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jLabel4)
            .addGap(22, 22, 22)
        )
);
jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel6Layout.createSequentialGroup()
            .addComponent(cboBabSuara, 0, 56, Short.MAX_VALUE)
        )
);

```

```

        .addComponent(cboHalSuara, 0, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))))
        .addGap(77, 77, 77)
        .addComponent(jPanel7, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel9, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel10, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel8, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(788, Short.MAX_VALUE))
);
jPanel6Layout.setVerticalGroup(
    jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel6Layout.createSequentialGroup())
            .addContainerGap()
                .addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel6Layout.createSequentialGroup())

        .addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(cboBabSuara, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel4))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(cboHalSuara, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

```



```

        .addComponent(jLabel6))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(txtSuaraMateri, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(jPanel7, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
        .addComponent(jPanel10, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jPanel9, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jPanel8, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
        .addContainerGap(657, Short.MAX_VALUE)
);

jTabbedPane1.addTab("Update Suara", jPanel6);

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>//GEN-END:initComponents
```

```
private void cboBabActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_cboBabActionPerformed
```

```
    cboNo.removeAllItems();
```

```
    nomorMateri();
```

```
}//GEN-LAST:event_cboBabActionPerformed
```

```
private void cboNoActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_cboNoActionPerformed
```

```
    bukaMateri();
```

```
}//GEN-LAST:event_cboNoActionPerformed
```

```
private void btnEditActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_btnEditActionPerformed
```

```
    cariGambar();
```

```
}//GEN-LAST:event_btnEditActionPerformed
```

```
private void btnSaveActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_btnSaveActionPerformed
```

```
    simpanGambar();
```

```
}//GEN-LAST:event_btnSaveActionPerformed
```

```
private void buttonSimpanDataBaruActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_buttonSimpanDataBaruActionPerformed
```

```
    // TODO add your handling code here:
```

```
    simpanSoalBaru();
```

```
    urutNo();
```

```
        nomorSoal());
    }//GEN-LAST:event_buttonSimpanDataBaruActionPerformed

    private void buttonUpdateActionPerformed(java.awt.event.ActionEvent evt) {//GEN-
FIRST:event_buttonUpdateActionPerformed
        // TODO add your handling code here:

        simpanEditSoal();

        nomorSoal());
    }//GEN-LAST:event_buttonUpdateActionPerformed

    private void buttonHapusActionPerformed(java.awt.event.ActionEvent evt) {//GEN-
FIRST:event_buttonHapusActionPerformed
        // TODO add your handling code here:

        hapusSoal();
        urutNo();

        nomorSoal());

    }//GEN-LAST:event_buttonHapusActionPerformed

    private void btnEditSoalActionPerformed(java.awt.event.ActionEvent evt) {//GEN-
FIRST:event_btnEditSoalActionPerformed
        cariGambarSoal();
    }//GEN-LAST:event_btnEditSoalActionPerformed

    private void cboNoSoalActionPerformed(java.awt.event.ActionEvent evt) {//GEN-
FIRST:event_cboNoSoalActionPerformed
```

```
tampilSoal();
} //GEN-LAST:event_cboNoSoalActionPerformed

private void cboJenisKuisActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_cboJenisKuisActionPerformed

    cboNoSoal.removeAllItems();

    urutNo();

    nomorSoal();

} //GEN-LAST:event_cboJenisKuisActionPerformed

private void btnBackActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_btnBackActionPerformed

    new menuUtamaGuru().setVisible(true);

    dispose();

} //GEN-LAST:event_btnBackActionPerformed

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_jButton2ActionPerformed

    new menuUtamaGuru().setVisible(true);

    dispose();

} //GEN-LAST:event_jButton2ActionPerformed

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_jButton1ActionPerformed

    cariSuara();

} //GEN-LAST:event_jButton1ActionPerformed

private void cboHalSuaraActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_cboHalSuaraActionPerformed

    tampilNamaSuara();
```

```

} //GEN-LAST:event_cboHalSuaraActionPerformed

private void cboBabSuaraActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_cboBabSuaraActionPerformed
    // cboHalSuara.removeAllItems();
    nomorSuaraMateri();
} //GEN-LAST:event_cboBabSuaraActionPerformed

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_jButton4ActionPerformed
    testPlaySuara();
} //GEN-LAST:event_jButton4ActionPerformed

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_jButton5ActionPerformed
    simpanSuara();
} //GEN-LAST:event_jButton5ActionPerformed

/**
 * @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(update.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
} catch (InstantiationException ex) {
    java.util.logging.Logger.getLogger(update.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
} catch (IllegalAccessException ex) {
    java.util.logging.Logger.getLogger(update.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {
    java.util.logging.Logger.getLogger(update.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 update().setVisible(true);
    }
});
}

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JButton btnBack;

```

```
private javax.swing.JButton btnEdit;
private javax.swing.JButton btnEditSoal;
private javax.swing.JButton btnSave;
private javax.swing.JButton buttonHapus;
private javax.swing.JButton buttonSimpanDataBaru;
private javax.swing.JButton buttonUpdate;
private javax.swing.JComboBox cboBab;
private javax.swing.JComboBox cboBabSuara;
private javax.swing.JComboBox cboHalSuara;
private javax.swing.JComboBox cboJenisKuis;
private javax.swing.JComboBox cboKunci;
private javax.swing.JComboBox cboNo;
private javax.swing.JComboBox cboNoSoal;
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JButton jButton5;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel10;
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.JTabbedPane jTabbedPane1;
private javax.swing.JLabel lbltampilMateri;
private javax.swing.JLabel tampilSoal;
private javax.swing.JTextField txtGambarMateri;
private javax.swing.JTextField txtGambarSoal;
private javax.swing.JTextField txtNo;
private javax.swing.JTextField txtSuaraMateri;
// End of variables declaration//GEN-END:variables
}

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package pembelajaranIPA;

import bab8.*;
import java.io.File;

import javax.sound.sampled.AudioInputStream;
import javax.sound.sampled.AudioSystem;
```



```
import javax.sound.sampled.Clip;
import javax.swing.ImageIcon;
import javax.swing.JOptionPane;
import pembelajaranIPA.*;

/**
 *
 * @author adjie
 */
public class skor extends javax.swing.JFrame {
    Clip clip;
    Clip activeClip;
    public static String skorNilai;
    public static String nama = FormLogin.uname;

    // public static String nama = FormLogin.uname;
    /**
     * Creates new form skor
     */
    public skor() {
        initComponents();
        lblNama.setText(nama);
        lblScore.setText(String.valueOf(skorNilai));
        score();
    }

    public void score() {
        int nilaiTotal = Integer.parseInt(skorNilai);
```

```

if (nilaiTotal >= 80) {
    ImagemIcon icon = new ImagemIcon("../pembelajaranIPA/src/animasi/BintangTiga.gif");
    icon = new ImagemIcon(icon.getImage());
    labelGrade.setIcon(icon);
    if (activeClip != null) {
        activeClip.stop();
        activeClip = null;
    } else {
        try {
            Clip clip = AudioSystem.getClip();
            clip.stop();
            AudioInputStream inputStream = AudioSystem.getAudioInputStream(new
File("src/suara/good.wav"));
            clip.open(inputStream);
            clip.start();
            activeClip = clip;
        } catch (Exception e) {
            System.out.println("musik gagal");
        }
    }
}

} else if (nilaiTotal > 60 && nilaiTotal < 80) {
    ImagemIcon icon = new ImagemIcon("../pembelajaranIPA/src/animasi/BintangDua.gif");
    icon = new ImagemIcon(icon.getImage());
    labelGrade.setIcon(icon);
    if (activeClip != null) {

```

```

        activeClip.stop();
        activeClip = null;

    } else {
        try {

            Clip clip = AudioSystem.getClip();
            clip.stop();

            AudioInputStream inputStream = AudioSystem.getAudioInputStream(new
File("src/suara/good.wav"));
            clip.open(inputStream);
            clip.start();
            activeClip = clip;
        } catch (Exception e) {
            System.out.println("musik gagal");
        }
    }

} else {

    ImagemIcon icon = new ImagemIcon("../pembelajaranIPA/src/animasi/BintangSatu.gif");
    icon = new ImagemIcon(icon.getImage());
    labelGrade.setIcon(icon);

    if (activeClip != null) {
        activeClip.stop();
        activeClip = null;
    }

} else {
    try {

```

```

        Clip clip = AudioSystem.getClip();
        clip.stop();

        AudiInputStream inputStream = AudioSystem.getAudiInputStream(new
File("src/suara/bad.wav"));
        clip.open(inputStream);
        clip.start();
        activeClip = clip;
    } catch (Exception e) {
        System.out.println("musik gagal");
    }
}

}

}

```

```
/**
```

```
* 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">//GEN-BEGIN:initComponents
```

```
private void initComponents() {
```

```
    JPanel1 = new javax.swing.JPanel();
```

```
jButton1 = new javax.swing.JButton();
labelGrade = new javax.swing.JLabel();
lblScore = new javax.swing.JLabel();
lblNama = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setTitle("skor");
setMinimumSize(new java.awt.Dimension(1366, 768));
setResizable(false);

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

jButton1.setBorderPainted(false);
jButton1.setContentAreaFilled(false);
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});
jPanel1.add(jButton1);
jButton1.setBounds(870, 620, 120, 60);
jPanel1.add(labelGrade);
labelGrade.setBounds(500, 420, 440, 190);

lblScore.setFont(new java.awt.Font("LeviReBrushed", 0, 35)); // NOI18N
lblScore.setToolTipText("");
jPanel1.add(lblScore);
```

```

lblScore.setBounds(620, 370, 220, 50);

lblNama.setFont(new java.awt.Font("LeviReBrushed", 0, 35)); // NOI18N
jPanel1.add(lblNama);
lblNama.setBounds(640, 270, 220, 50);

jLabel2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/gambarMenuMateri/bgScore.png"))); // NOI18N
jPanel1.add(jLabel2);
jLabel2.setBounds(-1, -1, 1370, 760);

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, 1366, Short.MAX_VALUE)
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, 758, Short.MAX_VALUE)
);

pack();
} // </editor-fold> // GEN-END: initComponents

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { // GEN-
FIRST:event_jButton1ActionPerformed
    if (activeClip != null) {
        activeClip.stop();
    }
}

```

```

        activeClip = null;
    }
    new menuUtama().setVisible(true);
    dispose();
} //GEN-LAST:event_jButton1ActionPerformed

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    skorNilai = args[0];
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new skor().setVisible(true);
        }
    });
}

// Variables declaration - do not modify //GEN-BEGIN:variables
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
public static javax.swing.JLabel labelGrade;
public static javax.swing.JLabel lblNama;
public static javax.swing.JLabel lblScore;
// End of variables declaration //GEN-END:variables
}

```

Server: localhost Database: databasekuisipa

Structure SQL Search Query Export Import Operations Privileges Drop

	Table	Action	Records	Type	Collation	Size	Overhead
<input type="checkbox"/>	kuis		20	MyISAM	utf8_general_ci	2.4 KiB	-
<input type="checkbox"/>	latihan1		10	MyISAM	utf8_general_ci	2.2 KiB	-
<input type="checkbox"/>	latihan2		10	MyISAM	utf8_general_ci	2.2 KiB	-
<input type="checkbox"/>	latihan3		10	MyISAM	utf8_general_ci	2.2 KiB	-
<input type="checkbox"/>	latihan4		10	MyISAM	utf8_general_ci	2.2 KiB	-
<input type="checkbox"/>	latihan5		10	MyISAM	utf8_general_ci	2.2 KiB	-
<input type="checkbox"/>	latihan6		10	MyISAM	utf8_general_ci	2.2 KiB	-
<input type="checkbox"/>	latihan7		10	MyISAM	utf8_general_ci	2.2 KiB	-
<input type="checkbox"/>	latihan8		10	MyISAM	utf8_general_ci	2.2 KiB	-
<input type="checkbox"/>	user		3	MyISAM	utf8_general_ci	2.2 KiB	88 B
10 table(s)		Sum	103	MyISAM	utf8_general_ci	22.2 KiB	88 B

Check All / Uncheck All / Check tables having overhead

With selected: ▾

Server: localhost Database: databaseipa

Structure SQL Search Query Export Import Operations Privileges Drop

	Table	Action	Records	Type	Collation	Size	Overhead
<input type="checkbox"/>	bab1		7	MyISAM	utf8_general_ci	2.2 KiB	20 B
<input type="checkbox"/>	bab2		14	MyISAM	utf8_general_ci	2.6 KiB	-
<input type="checkbox"/>	bab3		4	MyISAM	utf8_general_ci	2.2 KiB	-
<input type="checkbox"/>	bab4		5	MyISAM	utf8_general_ci	2.2 KiB	-
<input type="checkbox"/>	bab5		5	MyISAM	utf8_general_ci	2.2 KiB	-
<input type="checkbox"/>	bab6		4	MyISAM	utf8_general_ci	2.2 KiB	-
<input type="checkbox"/>	bab7		6	MyISAM	utf8_general_ci	2.2 KiB	-
<input type="checkbox"/>	bab8		6	MyISAM	utf8_general_ci	2.2 KiB	-
8 table(s)		Sum	51	MyISAM	utf8_general_ci	17.9 KiB	20 B

Check All / Uncheck All / Check tables having overhead

With selected: ▾



Server: localhost ▶ Database: banknilai

Structure SQL Search Query Export Import Operations Privileges Drop

Table	Action	Records	Type	Collation	Size	Overhead
<input type="checkbox"/> adjie		5	MyISAM	utf8_general_ci	2.0 KiB	-
<input type="checkbox"/> wijaya		2	MyISAM	utf8_general_ci	2.0 KiB	-
2 table(s) Sum		7	MyISAM	utf8_general_ci	4.1 KiB	0 B

↑ Check All / Uncheck All With selected: ▾

Server: localhost ▶ Database: databaseipa ▶ Table: bab1

Browse Structure SQL Search Insert Export Import Operations Empty Drop

Field	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/> nomor	int(3)			No		auto_increment	
<input type="checkbox"/> gambar	varchar(2000)	utf8_general_ci		No			
<input type="checkbox"/> suara	varchar(2000)	utf8_general_ci		No			

↑ Check All / Uncheck All With selected:

Server: localhost ▶ Database: databasekuisipa ▶ Table: kuis

Browse Structure SQL Search Insert Export Import Operations Empty Drop

Field	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/> no	int(3)			No			
<input type="checkbox"/> soal	varchar(2000)	utf8_general_ci		No			
<input type="checkbox"/> kunci	varchar(1)	utf8_general_ci		No			

↑ Check All / Uncheck All With selected:

Server: localhost ▶ Database: databasekuisipa ▶ Table: latihan6

Browse Structure SQL Search Insert Export Import Operations Empty Drop

Field	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/> no	int(3)			No			
<input type="checkbox"/> soal	varchar(2000)	utf8_general_ci		No			
<input type="checkbox"/> kunci	varchar(1)	utf8_general_ci		No			

↑ Check All / Uncheck All With selected:

Server: localhost Database: databasekuisipa Table: latihan1

Browse Structure SQL Search Insert Export Import Operations Empty Drop

Field	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/> no	int(20)			No			
<input type="checkbox"/> soal	varchar(2000)	utf8_general_ci		No			
<input type="checkbox"/> kunci	varchar(1)	utf8_general_ci		No			

Check All / Uncheck All With selected:

Server: localhost Database: databasekuisipa Table: latihan2

Browse Structure SQL Search Insert Export Import Operations Empty Drop

Field	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/> no	int(20)			No			
<input type="checkbox"/> soal	varchar(2000)	utf8_general_ci		No			
<input type="checkbox"/> kunci	varchar(1)	utf8_general_ci		No			

Check All / Uncheck All With selected:

Server: localhost Database: databasekuisipa Table: latihan3

Browse Structure SQL Search Insert Export Import Operations Empty Drop

Field	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/> no	int(20)			No			
<input type="checkbox"/> soal	varchar(2000)	utf8_general_ci		No			
<input type="checkbox"/> kunci	varchar(1)	utf8_general_ci		No			

Check All / Uncheck All With selected:

Server: localhost Database: databasekuisipa Table: latihan4

Browse Structure SQL Search Insert Export Import Operations Empty Drop

Field	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/> no	int(3)			No			
<input type="checkbox"/> soal	varchar(2000)	utf8_general_ci		No			
<input type="checkbox"/> kunci	varchar(1)	utf8_general_ci		No			

Check All / Uncheck All With selected:

Server: localhost ▶ Database: databasekuisipa ▶ Table: latihan5

Browse
 Structure
 SQL
 Search
 Insert
 Export
 Import
 Operations
 Empty
 Drop

	Field	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	no	int(3)			No			
<input type="checkbox"/>	soal	varchar(2000)	utf8_general_ci		No			
<input type="checkbox"/>	kunci	varchar(1)	utf8_general_ci		No			

Check All / Uncheck All With selected:

Server: localhost ▶ Database: databasekuisipa ▶ Table: latihan7

Browse
 Structure
 SQL
 Search
 Insert
 Export
 Import
 Operations
 Empty
 Drop

	Field	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	no	int(3)			No			
<input type="checkbox"/>	soal	varchar(2000)	utf8_general_ci		No			
<input type="checkbox"/>	kunci	varchar(1)	utf8_general_ci		No			

Check All / Uncheck All With selected:

Server: localhost ▶ Database: databasekuisipa ▶ Table: latihan8

Browse
 Structure
 SQL
 Search
 Insert
 Export
 Import
 Operations
 Empty
 Drop

	Field	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	no	int(3)			No			
<input type="checkbox"/>	soal	varchar(2000)	utf8_general_ci		No			
<input type="checkbox"/>	kunci	varchar(1)	utf8_general_ci		No			

Check All / Uncheck All With selected:

Server: localhost ▶ Database: databasekuisipa ▶ Table: user

Browse
 Structure
 SQL
 Search
 Insert
 Export
 Import
 Operations
 Empty
 Drop

	Field	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/>	username	varchar(50)	utf8_general_ci		No			
<input type="checkbox"/>	password	varchar(50)	utf8_general_ci		Yes	NULL		
<input type="checkbox"/>	level	int(10)			No			

Check All / Uncheck All With selected: