LAPORAN UAS

PEMROGRAMAN BERORIENTASI OBJEK

Sistem Pendataan Toko Komputer Pemrograman Java & GUI Java Swing

Disusun Oleh:

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PROGRAM STUDI INFORMATIKA

FAKULTAS TEKNIK

UNIVERSITAS MULAWARMAN

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Langkah-langkah Pembuatan Aplikasi CRUD Java menggunakan GUI Java Swing

1. Membuat database dengan nama 'tokokomputer' dan membuat tabel di dalam database dengan nama 'komputer', 'orders' dan 'akun' untuk menyimpan data toko komputer , melakukan pemesanan dan akun user yang telah registrasi.
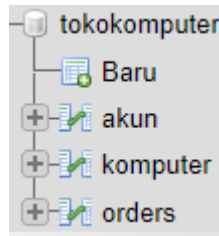
Database

#	Nama	Jenis	Penyortiran	Atribut	Tak Ternilai	Bawaan	Komentar	Ekstra	Tindakan		
☐	1 idProduk 🔑	varchar(255)	utf8mb4_general_ci		Tidak	Tidak ada			🖉 Ubah	⊝ Hapus	Lainnya
☐	2 namaProduk	varchar(255)	utf8mb4_general_ci		Tidak	Tidak ada			🖉 Ubah	⊝ Hapus	Lainnya
☐	3 harga	double			Tidak	Tidak ada			🖉 Ubah	⊝ Hapus	Lainnya
☐	4 stock	int(11)			Tidak	Tidak ada			🖉 Ubah	⊝ Hapus	Lainnya
☐	5 merekProduk	varchar(255)	utf8mb4_general_ci		Tidak	Tidak ada			🖉 Ubah	⊝ Hapus	Lainnya
☐	6 Kondisi	varchar(50)	utf8mb4_general_ci		Tidak	Tidak ada			🖉 Ubah	⊝ Hapus	Lainnya

Tabel Komputer

#	Nama	Jenis	Penyortiran	Atribut	Tak Ternilai	Bawaan	Komentar	Ekstra	Tindakan		
☐	1 orderId 🔑	int(11)			Tidak	Tidak ada		AUTO_INCREMENT	🖉 Ubah	⊝ Hapus	Lainnya
☐	2 username 🔑	varchar(255)	utf8mb4_general_ci		Tidak	Tidak ada			🖉 Ubah	⊝ Hapus	Lainnya
☐	3 idBaju 🔑	varchar(255)	utf8mb4_general_ci		Tidak	Tidak ada			🖉 Ubah	⊝ Hapus	Lainnya
☐	4 orderDate	timestamp			Tidak	current_timestamp()			🖉 Ubah	⊝ Hapus	Lainnya

Tabel Orders

| #	Nama	Jenis	Penyortiran	Atribut	Tak Ternilai	Bawaan	Komentar	Ekstra	Tindakan		
☐	1 id 🔑	int(11)			Tidak	Tidak ada		AUTO_INCREMENT	🖉 Ubah	⊝ Hapus	Lainnya
☐	2 username 🔑	varchar(11)	utf8mb4_general_ci		Tidak	Tidak ada			🖉 Ubah	⊝ Hapus	Lainnya
☐	3 password	varchar(11)	utf8mb4_general_ci		Tidak	Tidak ada			🖉 Ubah	⊝ Hapus	Lainnya
☐	4 isAdmin	tinyint(1)			Tidak	Tidak ada			🖉 Ubah	⊝ Hapus	Lainnya

Tabel Akun

2. Membuat project baru pada Netbeans dengan memilih package dan jenis project, disini menggunakan Java Swing
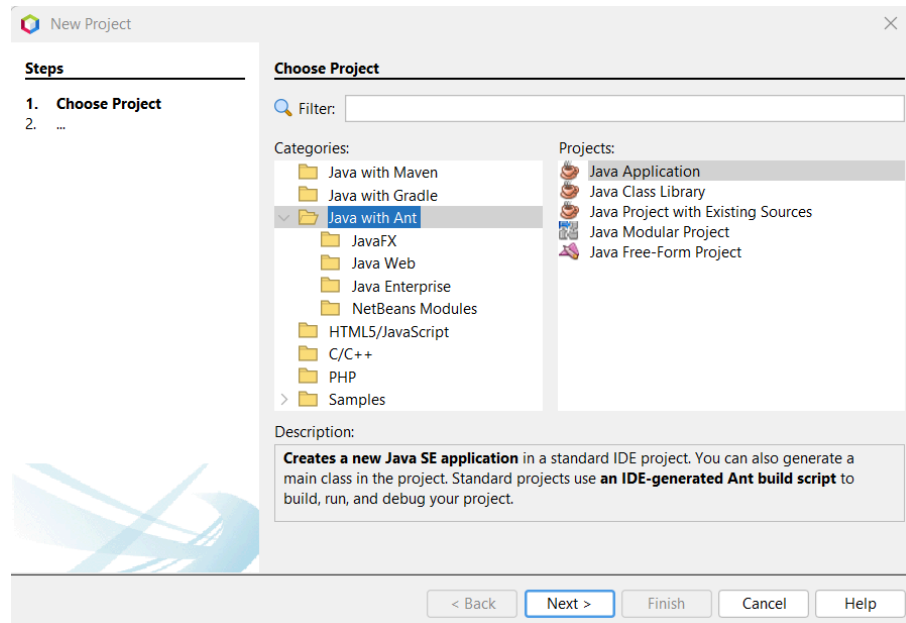
Membuat New Project di Netbeans

3. Lalu buatlah *design* dengan menggunakan tools-tools yang tersedia
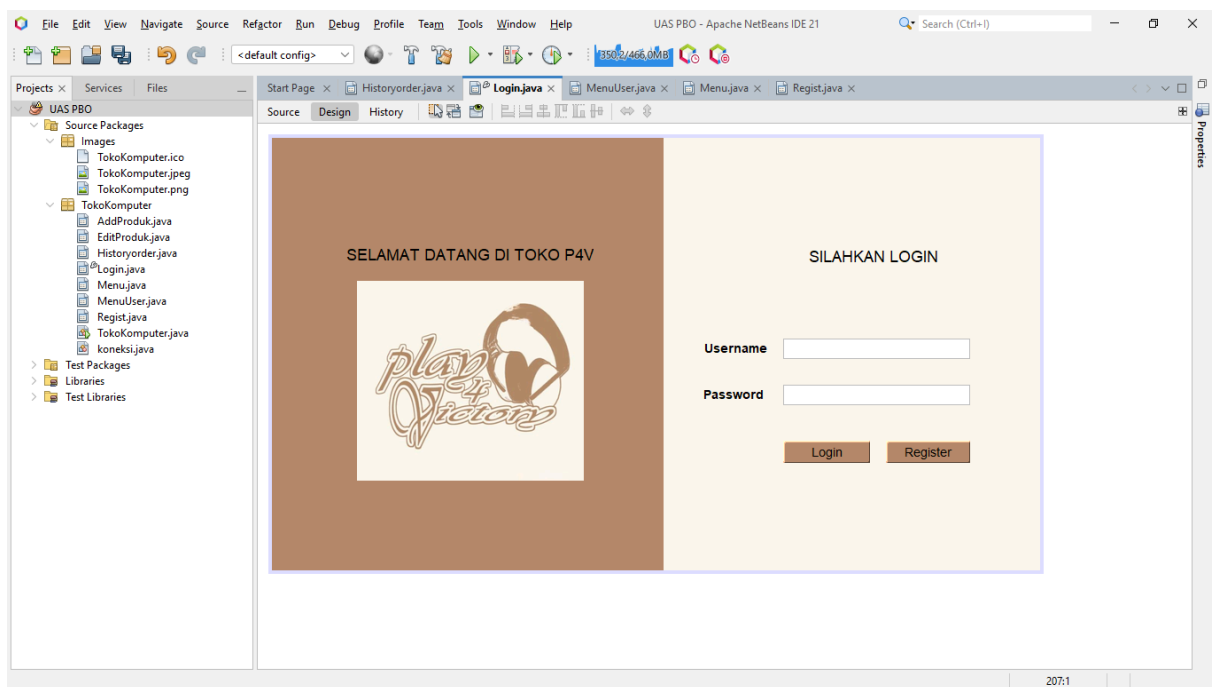
4. Buatlah package dengan nama 'TokoKomputer' lalu buat file koneksi dengan nama 'koneksi' untuk menghubungkan database dengan program dengan code seperti di bawah:

```
/*
```

```java
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to
change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this
template
 */
package TokoKomputer;


public class TokoKomputer {

    public static void main(String[] args) {
        // TODO code application logic here
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Login().setVisible(true);
            }
        });
    }

}
```
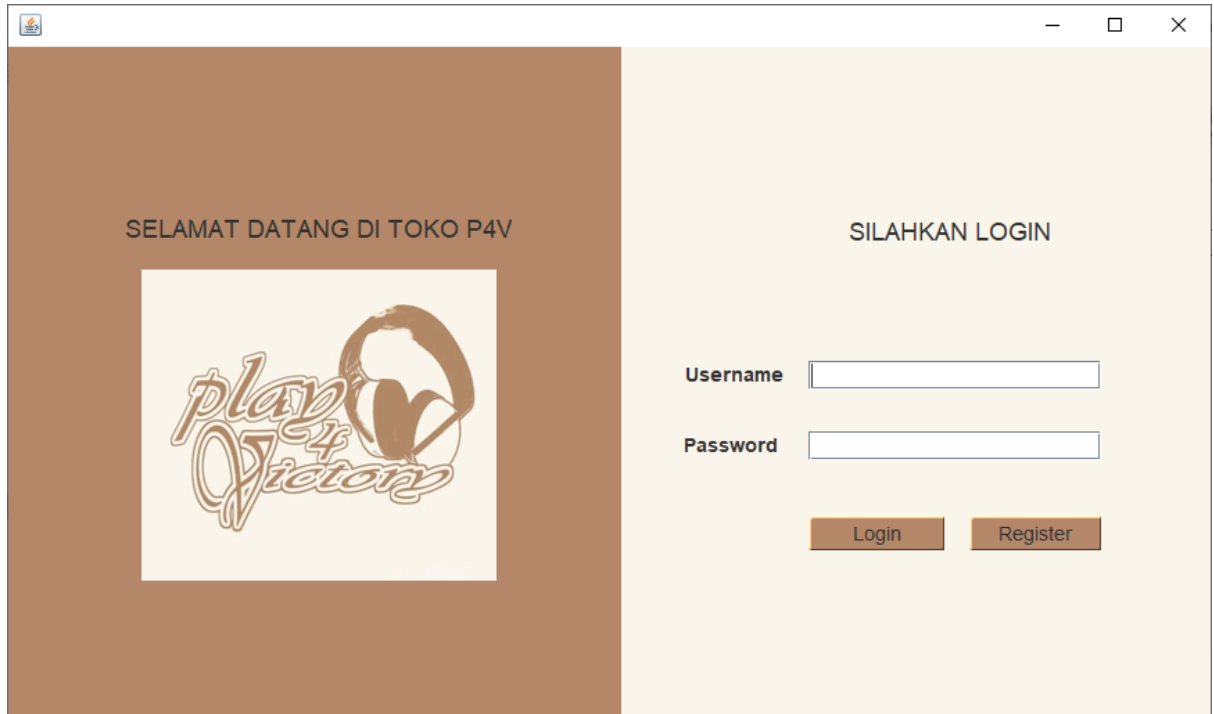
5. Lalu buat design interface masing masing menu

   a. Menu Login

   - Design

   - Source Code

```
/*
 * Click
nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to
change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to
edit this template
 */
package TokoKomputer;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import javax.swing.JOptionPane;


public class Login extends javax.swing.JFrame {


    public ResultSet rs;
    public static String IDU;
```

```java
    public Login() {
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        list1 = new java.awt.List();
        jPanel1 = new javax.swing.JPanel();
        txtusername = new javax.swing.JTextField();
        txtpassword = new javax.swing.JPasswordField();
        btnlogin = new javax.swing.JButton();
        btnregist = new javax.swing.JButton();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        panel1 = new java.awt.Panel();
        label1 = new java.awt.Label();
        textArea1 = new java.awt.TextArea();
        label2 = new java.awt.Label();
        jLabel1 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE
);

        jPanel1.setBackground(new java.awt.Color(252, 248, 237));

        txtusername.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
        txtusername.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtusernameActionPerformed(evt);
            }
        });

        txtpassword.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
        txtpassword.addActionListener(new java.awt.event.ActionListener() {
```

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

    btnlogin.setBackground(new java.awt.Color(180, 139, 105));
    btnlogin.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
    btnlogin.setText("Login");
    btnlogin.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISE
D));
    btnlogin.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            btnloginActionPerformed(evt);
        }
    });

    btnregist.setBackground(new java.awt.Color(180, 139, 105));
    btnregist.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
    btnregist.setText("Register");
    btnregist.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISE
D));
    btnregist.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            btnregistActionPerformed(evt);
        }
    });

    jLabel3.setFont(new java.awt.Font("Poppins", 1, 14)); // NOI18N
    jLabel3.setText("Username");

    jLabel4.setFont(new java.awt.Font("Poppins", 1, 14)); // NOI18N
    jLabel4.setText("Password");

    panel1.setBackground(new java.awt.Color(180, 139, 105));

    label1.setText("label1");

    label2.setText("label2");

    jLabel1.setFont(new java.awt.Font("Poppins ExtraBold", 0, 18)); //
NOI18N
    jLabel1.setText("SELAMAT DATANG DI TOKO P4V");

    jLabel6.setFont(new java.awt.Font("Poppins", 1, 14)); // NOI18N
    jLabel6.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/Images/TokoKomputer.png"
))); // NOI18N
```

```java
        javax.swing.GroupLayout panel1Layout = new
javax.swing.GroupLayout(panel1);
        panel1.setLayout(panel1Layout);
        panel1Layout.setHorizontalGroup(

panel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
            .addGroup(panel1Layout.createSequentialGroup()
                .addContainerGap(84, Short.MAX_VALUE)

.addGroup(panel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
panel1Layout.createSequentialGroup()
                        .addComponent(jLabel1)
                        .addGap(79, 79, 79))
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
panel1Layout.createSequentialGroup()
                        .addComponent(jLabel6)
                        .addGap(90, 90, 90))))
        );
        panel1Layout.setVerticalGroup(

panel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
            .addGroup(panel1Layout.createSequentialGroup()
                .addGap(119, 119, 119)
                .addComponent(jLabel1)
                .addGap(18, 18, 18)
                .addComponent(jLabel6,
javax.swing.GroupLayout.PREFERRED_SIZE, 225,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        );

        jLabel2.setFont(new java.awt.Font("Poppins ExtraBold", 0, 18)); //
NOI18N
        jLabel2.setText("SILAHKAN LOGIN");

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

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
```

```java
jPanel1Layout.createSequentialGroup()
        .addComponent(panel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
45, Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                    .addComponent(jLabel3)
                    .addGap(18, 18, 18))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addComponent(jLabel4)
                    .addGap(22, 22, 22)))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING, false)
                .addComponent(txtpassword,
javax.swing.GroupLayout.PREFERRED_SIZE, 211,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(txtusername,
javax.swing.GroupLayout.PREFERRED_SIZE, 211,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addComponent(btnlogin,
javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(18, 18, 18)
                    .addComponent(btnregist,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
            .addGap(79, 79, 79))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
            .addComponent(jLabel2)
            .addGap(115, 115, 115))))
    );
    jPanel1Layout.setVerticalGroup(
```

```java
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap(121, Short.MAX_VALUE)
            .addComponent(jLabel2)
            .addGap(76, 76, 76)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.BASELINE)
                .addComponent(jLabel3,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(txtusername,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(26, 26, 26)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.BASELINE)
                .addComponent(jLabel4)
                .addComponent(txtpassword,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(40, 40, 40)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.BASELINE)
                .addComponent(btnlogin)
                .addComponent(btnregist))
            .addGap(121, 121, 121))
        .addComponent(panel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    );
    layout.setVerticalGroup(
```

```java
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, Short.MAX_VALUE))
    );

    pack();
}// </editor-fold>

private void btnregistActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Regist regist = new Regist();
    regist.setVisible(true);
    dispose();
}

private void btnloginActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String usn;
    char[] pw;

    usn = txtusername.getText();
    pw = txtpassword.getPassword();

    try {
        Connection conn = koneksi.getConnection();
        String sql = "SELECT * FROM akun WHERE username = ? AND
password = ? LIMIT 1";
        PreparedStatement stmt = conn.prepareStatement(sql);
        stmt.setString(1, usn);
        stmt.setString(2, new String(pw));

        rs = stmt.executeQuery();
        if (rs.next()) {
            IDU = usn;
            JOptionPane.showMessageDialog(this, "Selamat Datang " +
usn.toUpperCase() + " !", "SQL Information",
JOptionPane.INFORMATION_MESSAGE);
            if(rs.getBoolean("isAdmin") == true){
                Menu menu = new Menu();
                menu.setVisible(true);
                dispose();
                rs.close();
                stmt.close();
            } else {
                MenuUser MU = new MenuUser();
```

```
                MU.setVisible(true);
                dispose();
            }
        }
    } catch (SQLException e) {
        JOptionPane.showMessageDialog(this, "Error: " + e.getMessage(),
"SQL Error", JOptionPane.ERROR_MESSAGE);
    }
}

private void txtusernameActionPerformed(java.awt.event.ActionEvent evt)
{
    // TODO add your handling code here:
}

private void txtpasswordActionPerformed(java.awt.event.ActionEvent evt)
{
    // TODO add your handling code here:
}

/**
 * @param args the command line arguments
 */


// Variables declaration - do not modify
private javax.swing.JButton btnlogin;
private javax.swing.JButton btnregist;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel6;
private javax.swing.JPanel jPanel1;
private java.awt.Label label1;
private java.awt.Label label2;
private java.awt.List list1;
private java.awt.Panel panel1;
private java.awt.TextArea textArea1;
private javax.swing.JPasswordField txtpassword;
private javax.swing.JTextField txtusername;
// End of variables declaration
}
```

b. Menu Registrasi

- Design

- Source Code

```
/*
 * Click
nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to
change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java
to edit this template
 */
package TokoKomputer;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.Arrays;
import javax.swing.JOptionPane;

public class Regist extends javax.swing.JFrame {


    private void cls() {
        txtusername.setText("");
        txtpassword.setText("");
        txtkpassword.setText("");
    }
```

```java
    public Regist() {
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        txtusername = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        txtpassword = new javax.swing.JPasswordField();
        jLabel3 = new javax.swing.JLabel();
        txtkpassword = new javax.swing.JPasswordField();
        btnregister = new javax.swing.JButton();
        btnback = new javax.swing.JButton();
        jLabel4 = new javax.swing.JLabel();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBackground(new java.awt.Color(249, 245, 234));

        jLabel1.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
        jLabel1.setText("Username");

        txtusername.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
        txtusername.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtusernameActionPerformed(evt);
            }
        });

        jLabel2.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
        jLabel2.setText("Password");

        txtpassword.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
        txtpassword.addActionListener(new java.awt.event.ActionListener() {
```

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

    jLabel3.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
    jLabel3.setText("Konfirmasi Password");

    txtkpassword.setFont(new java.awt.Font("Times New Roman", 0, 14));
// NOI18N

    btnregister.setBackground(new java.awt.Color(202, 162, 127));
    btnregister.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
    btnregister.setText("Register");
    btnregister.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            btnregisterActionPerformed(evt);
        }
    });

    btnback.setBackground(new java.awt.Color(202, 162, 127));
    btnback.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
    btnback.setText("Kembali");
    btnback.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            btnbackActionPerformed(evt);
        }
    });

    jLabel4.setFont(new java.awt.Font("Poppins ExtraBold", 0, 18)); //
NOI18N
    jLabel4.setText("SILAHKAN DAFTAR AKUN");

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

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.TRAILING)
            .addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
```

```
                    .addComponent(jLabel4))
                 .addGroup(jPanel1Layout.createSequentialGroup()
                 .addGap(79, 79, 79)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
                 .addComponent(jLabel2)
                 .addComponent(jLabel3)
                 .addComponent(jLabel1))

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.TRAILING)
                 .addComponent(txtkpassword)
                 .addGroup(jPanel1Layout.createSequentialGroup()
                   .addComponent(btnback)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED
, 45, Short.MAX_VALUE)
                   .addComponent(btnregister))
                 .addComponent(txtpassword)
                 .addComponent(txtusername))))
             .addGap(221, 221, 221))
      );
      jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)
         .addGroup(jPanel1Layout.createSequentialGroup()
           .addGap(31, 31, 31)
           .addComponent(jLabel4)
           .addGap(63, 63, 63)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.BASELINE)
             .addComponent(txtusername,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
             .addComponent(jLabel1))
           .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.BASELINE)
             .addComponent(txtpassword,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
```

```java
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel2))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELAT
ED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.BASELINE)
            .addComponent(txtkpassword,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel3))
          .addGap(43, 43, 43)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.BASELINE)
            .addComponent(btnregister)
            .addComponent(btnback))
          .addContainerGap(122, Short.MAX_VALUE))
    );

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGroup(layout.createSequentialGroup()
        .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGroup(layout.createSequentialGroup()
        .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE))
    );

    pack();
  }// </editor-fold>
```

```java
    private void btnbackActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        Login login = new Login();
        login.setVisible(true);
        dispose();
    }

    private void btnregisterActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String usn;
        char[] pw, kpw;

        usn = txtusername.getText();
        pw = txtpassword.getPassword();
        kpw = txtkpassword.getPassword();

        if (!usn.isEmpty() && pw.length != 0 && kpw.length != 0) {

            if (Arrays.equals(pw, kpw)) {

                try {
                    Connection conn = koneksi.getConnection();
                    String sql = "INSERT INTO akun VALUES (NULL, ?, ?, ?)";
                    PreparedStatement stmt = conn.prepareStatement(sql);
                    stmt.setString(1, usn);
                    stmt.setString(2, new String(pw));
                    stmt.setBoolean(3, false);

                    int rowAffected = stmt.executeUpdate();
                    if (rowAffected > 0) {
                        cls();
                        JOptionPane.showMessageDialog(this, "Berhasil Melakukan
Regist!", "SQL Information", JOptionPane.INFORMATION_MESSAGE);
                        Login login = new Login();
                        stmt.close();
                        login.setVisible(true);
                        dispose();
                    }
                } catch (SQLException e) {
                    JOptionPane.showMessageDialog(this, "Error: " +
e.getMessage(), "SQL Error", JOptionPane.ERROR_MESSAGE);
                }

            } else {
                JOptionPane.showMessageDialog(this, "Password dan Konfirmasi
Password Tidak Sama!", "Warning", JOptionPane.WARNING_MESSAGE);
            }

        } else {
```

```java
        JOptionPane.showMessageDialog(this, "Harap Inputkan Semua
Data!", "Warning", JOptionPane.WARNING_MESSAGE);
        }
    }

    private void txtpasswordActionPerformed(java.awt.event.ActionEvent evt)
{
        // TODO add your handling code here:
    }

    private void txtusernameActionPerformed(java.awt.event.ActionEvent evt)
{
        // TODO add your handling code here:
    }

    /**
     * @param args the command line arguments
     */


    // Variables declaration - do not modify
    private javax.swing.JButton btnback;
    private javax.swing.JButton btnregister;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPasswordField txtkpassword;
    private javax.swing.JPasswordField txtpassword;
    private javax.swing.JTextField txtusername;
    // End of variables declaration
}
```
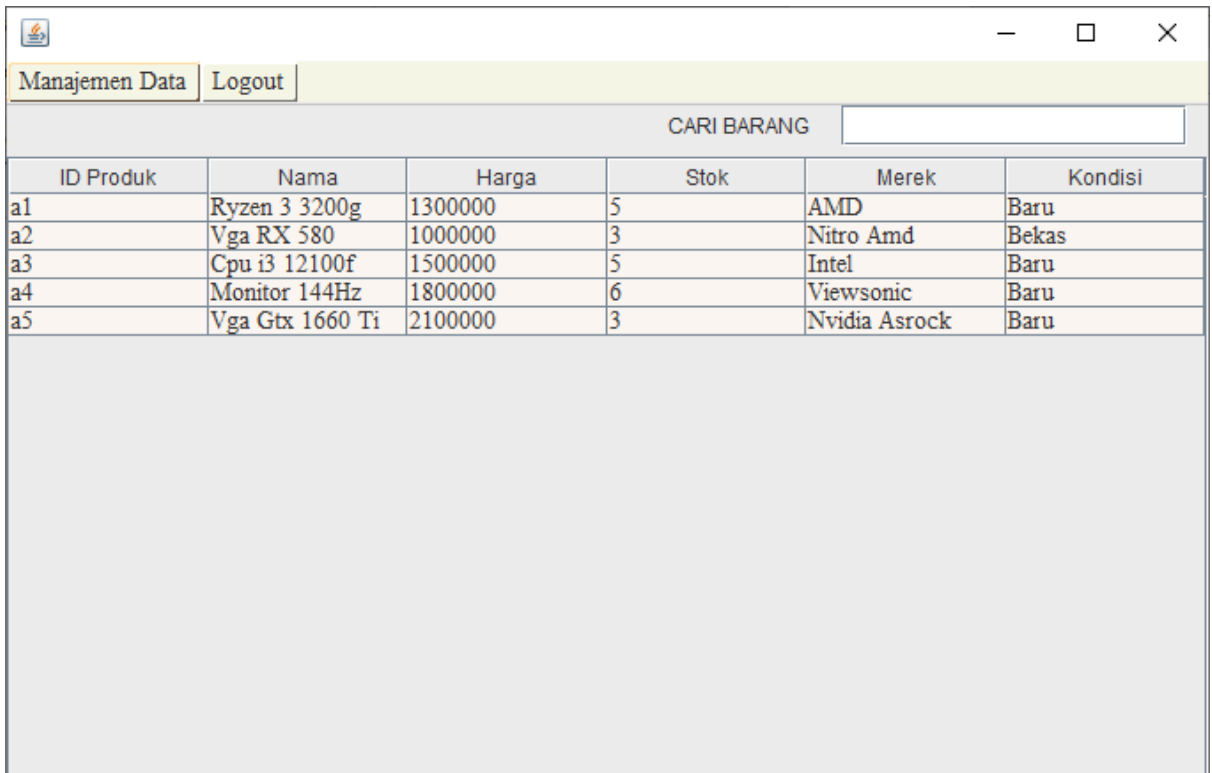
c. Dashboard Admin

- Design

Awal masuk Menu admin

- Source Code

```
/*
 * Click
nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to
change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java
to edit this template
 */
package TokoKomputer;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import javax.swing.JOptionPane;
import javax.swing.ListSelectionModel;
```

```java
import javax.swing.table.DefaultTableModel;


public class Menu extends javax.swing.JFrame {


    private Connection con;
    private Statement stat;
    private ResultSet res;

    public static String ID;

    public Menu() {
        initComponents();
        koneksi();

        tabel();
    }

    public void koneksi() {
        try {
            Class.forName("com.mysql.jdbc.Driver");
            con =
DriverManager.getConnection("jdbc:mysql://localhost/TokoKomputer",
"root", "");
            stat = con.createStatement();
        } catch (Exception e) {
            JOptionPane.showMessageDialog(null, e);
        }
    }

    private void tabel() {
        koneksi();
        DefaultTableModel tb = (DefaultTableModel) table.getModel();
        table.setSelectionMode(ListSelectionModel.SINGLE_SELECTION);
        tb.setRowCount(0);

        try {
            String sql = "select * from komputer";
            res = stat.executeQuery(sql);
            while (res.next()) {
                tb.addRow(new Object[]{
                    res.getString("idProduk"),
                    res.getString("namaProduk"),
                    res.getInt("harga"),
                    res.getInt("stock"),
                    res.getString("merekProduk"),
                    res.getString("kondisi")
                });
```

```java
            }
            res.close();
            stat.close();
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(null, "Error: " + e);
        }
    }

    private void tabel(String search) {
        koneksi();
        DefaultTableModel tb = (DefaultTableModel) table.getModel();
        table.setSelectionMode(ListSelectionModel.SINGLE_SELECTION);
        tb.setRowCount(0);

        try {
            String sql = "select * from komputer WHERE namaProduk LIKE '%"
+ search + "%' OR merekProduk LIKE '%" + search + "%'";
            res = stat.executeQuery(sql);
            while (res.next()) {
                tb.addRow(new Object[]{
                    res.getString("idProduk"),
                    res.getString("namaProduk"),
                    res.getInt("harga"),
                    res.getInt("stock"),
                    res.getString("merekProduk"),
                    res.getString("Kondisi")
                });
            }
            res.close();
            stat.close();
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(null, "Error: " + e);
        }
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jScrollPane1 = new javax.swing.JScrollPane();
        table = new javax.swing.JTable();
        txtsearch = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
```

```java
        MenuBarAdmin = new javax.swing.JMenuBar();
        jMenu1 = new javax.swing.JMenu();
        jMenu3 = new javax.swing.JMenu();
        jMenu4 = new javax.swing.JMenu();
        jMenu5 = new javax.swing.JMenu();
        jMenu2 = new javax.swing.JMenu();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE
);
        setBackground(new java.awt.Color(195, 155, 120));

        table.setBackground(new java.awt.Color(252, 249, 240));
        table.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
        table.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {
                {null, null, null, null, null, null},
                {null, null, null, null, null, null},
                {null, null, null, null, null, null},
                {null, null, null, null, null, null}
            },
            new String [] {
                "ID Produk", "Nama", "Harga", "Stok", "Merek", "Kondisi"
            }
        ));
        table.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                tableMouseClicked(evt);
            }
        });
        jScrollPane1.setViewportView(table);

        txtsearch.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
        txtsearch.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtsearchActionPerformed(evt);
            }
        });
        txtsearch.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyReleased(java.awt.event.KeyEvent evt) {
                txtsearchKeyReleased(evt);
            }
        });

        jLabel2.setFont(new java.awt.Font("Poppins", 0, 12)); // NOI18N
        jLabel2.setText("CARI BARANG");
```

```java
    MenuBarAdmin.setBackground(new java.awt.Color(249, 245, 234));
    MenuBarAdmin.setForeground(new java.awt.Color(195, 155, 120));
    MenuBarAdmin.setToolTipText("");

    jMenu1.setBackground(new java.awt.Color(195, 155, 120));
    jMenu1.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISE
D));
    jMenu1.setText("Manajemen Data");
    jMenu1.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N

    jMenu3.setText("Tambah Data");
    jMenu3.addMouseListener(new java.awt.event.MouseAdapter() {
       public void mouseClicked(java.awt.event.MouseEvent evt) {
          jMenu3MouseClicked(evt);
       }
    });
    jMenu1.add(jMenu3);

    jMenu4.setText("Ubah Data");
    jMenu4.addMouseListener(new java.awt.event.MouseAdapter() {
       public void mouseClicked(java.awt.event.MouseEvent evt) {
          jMenu4MouseClicked(evt);
       }
    });
    jMenu1.add(jMenu4);

    jMenu5.setText("Hapus Data");
    jMenu5.addMouseListener(new java.awt.event.MouseAdapter() {
       public void mouseClicked(java.awt.event.MouseEvent evt) {
          jMenu5MouseClicked(evt);
       }
    });
    jMenu1.add(jMenu5);

    MenuBarAdmin.add(jMenu1);

    jMenu2.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISE
D));
    jMenu2.setText("Logout");
    jMenu2.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
    jMenu2.addMouseListener(new java.awt.event.MouseAdapter() {
       public void mouseClicked(java.awt.event.MouseEvent evt) {
          jMenu2MouseClicked(evt);
       }
    });
```

```java
        MenuBarAdmin.add(jMenu2);

        setJMenuBar(MenuBarAdmin);

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jScrollPane1,
javax.swing.GroupLayout.DEFAULT_SIZE, 678, Short.MAX_VALUE)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                .addComponent(jLabel2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELAT
ED)
                .addComponent(txtsearch,
javax.swing.GroupLayout.PREFERRED_SIZE, 195,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap())
        );
        layout.setVerticalGroup(

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

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)
                .addComponent(txtsearch,
javax.swing.GroupLayout.PREFERRED_SIZE, 23,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel2))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED
)
                .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 351,
javax.swing.GroupLayout.PREFERRED_SIZE))
        );

        pack();
    }// </editor-fold>

    private void txtsearchKeyReleased(java.awt.event.KeyEvent evt) {
```

```java
        // TODO add your handling code here:
        String cari = txtsearch.getText();
        tabel(cari);
    }

    private void jMenu3MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        AddProduk AP = new AddProduk();
        AP.setVisible(true);
        dispose();
    }

    private void tableMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        int baris = table.getSelectedRow();
        ID = (String) table.getValueAt(baris, 0);
        System.out.println(ID);
    }

    private void jMenu5MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        if (!ID.isEmpty()) {
            int response = JOptionPane.showConfirmDialog(this, "Apakah Ingin
Menghapus Produk Dengan ID " + ID, "Konfirmasi",
JOptionPane.YES_NO_OPTION);

            switch (response) {
                case JOptionPane.YES_OPTION:
                    try {
                        Connection conn = koneksi.getConnection();
                        String sql = "DELETE FROM komputer WHERE idProduk =
?";

                        PreparedStatement stmt = conn.prepareStatement(sql);
                        stmt.setString(1, ID);

                        int rowAffected = stmt.executeUpdate();
                        if (rowAffected > 0) {
                            ID = null;
                            JOptionPane.showMessageDialog(this, "Berhasil
Menghapus Produk!", "SQL Information",
JOptionPane.INFORMATION_MESSAGE);
                            stmt.close();
                            tabel();
                        }
                    } catch (SQLException e) {
                        JOptionPane.showMessageDialog(this, "Error: " +
e.getMessage(), "SQL Error", JOptionPane.ERROR_MESSAGE);
                    }
                    break;
```

```java
            default:
                throw new AssertionError();
        }
    } else {
        JOptionPane.showMessageDialog(this, "Harap Pilih Data Terlebih
Dahulu!");
    }
}

private void jMenu4MouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    EditProduk EP = new EditProduk();
    EP.setVisible(true);
    dispose();
}

private void jMenu2MouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    Login login = new Login();
    login.setVisible(true);
    dispose();
}

private void txtsearchActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

/**
 * @param args the command line arguments
 */

// Variables declaration - do not modify
private javax.swing.JMenuBar MenuBarAdmin;
private javax.swing.JLabel jLabel2;
private javax.swing.JMenu jMenu1;
private javax.swing.JMenu jMenu2;
private javax.swing.JMenu jMenu3;
private javax.swing.JMenu jMenu4;
private javax.swing.JMenu jMenu5;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable table;
private javax.swing.JTextField txtsearch;
// End of variables declaration
}
```

d. Tambah Data (admin)

- Design

- Source Code

```
/*
 * Click
nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to
change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java
to edit this template
 */
package TokoKomputer;

import java.awt.event.KeyEvent;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.SQLException;
import javax.swing.JOptionPane;


public class AddProduk extends javax.swing.JFrame {

    private void cls() {
        txtnama.setText("");
        txtID.setText("");
        txtharga.setText("");
        txtmerk.setText("");
        txtstok.setText("");
        rbBaru.setSelected(false);
```

```java
        rbBekas.setSelected(false);
    }

    public AddProduk() {
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        buttonGroup1 = new javax.swing.ButtonGroup();
        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        txtID = new javax.swing.JTextField();
        txtnama = new javax.swing.JTextField();
        txtharga = new javax.swing.JTextField();
        txtstok = new javax.swing.JTextField();
        txtmerk = new javax.swing.JTextField();
        btntambah = new javax.swing.JButton();
        btnback = new javax.swing.JButton();
        jPanel3 = new javax.swing.JPanel();
        rbBaru = new javax.swing.JRadioButton();
        rbBekas = new javax.swing.JRadioButton();
        jLabel6 = new javax.swing.JLabel();


        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBackground(new java.awt.Color(252, 249, 240));
        jPanel1.setMaximumSize(new java.awt.Dimension(609, 275));
        jPanel1.setPreferredSize(new java.awt.Dimension(609, 275));

        jLabel1.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
        jLabel1.setText("ID Produk");

        jLabel2.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
        jLabel2.setText("Nama Produk");
```

```java
    jLabel3.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
    jLabel3.setText("Harga");

    jLabel4.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
    jLabel4.setText("Stok");

    jLabel5.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
    jLabel5.setText("Merek");

    txtID.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
    txtID.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            txtIDActionPerformed(evt);
        }
    });

    txtnama.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
    txtnama.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            txtnamaActionPerformed(evt);
        }
    });

    txtharga.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
    txtharga.addKeyListener(new java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txthargaKeyTyped(evt);
        }
    });

    txtstok.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
    txtstok.addKeyListener(new java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtstokKeyTyped(evt);
        }
    });

    txtmerk.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
    txtmerk.addKeyListener(new java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtmerkKeyTyped(evt);
        }
    });
```

```java
    btntambah.setBackground(new java.awt.Color(198, 158, 123));
    btntambah.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
    btntambah.setText("Tambah");
    btntambah.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            btntambahActionPerformed(evt);
        }
    });

    btnback.setBackground(new java.awt.Color(198, 158, 123));
    btnback.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
    btnback.setText("Kembali");
    btnback.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            btnbackActionPerformed(evt);
        }
    });

    jPanel3.setBackground(new java.awt.Color(198, 158, 123));
    jPanel3.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISE
D));
    jPanel3.setForeground(new java.awt.Color(204, 255, 255));

    buttonGroup1.add(rbBaru);
    rbBaru.setFont(new java.awt.Font("Nohemi", 0, 14)); // NOI18N
    rbBaru.setText("Baru");

    buttonGroup1.add(rbBekas);
    rbBekas.setFont(new java.awt.Font("Nohemi", 0, 14)); // NOI18N
    rbBekas.setText("Bekas");

    jLabel6.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
    jLabel6.setText("Kondisi");

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

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addContainerGap()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
                .addGroup(jPanel3Layout.createSequentialGroup()
```

```java
            .addComponent(rbBaru,
javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED
)
                .addComponent(rbBekas))
            .addComponent(jLabel6))
          .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );
    jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel3Layout.createSequentialGroup()
          .addContainerGap()
          .addComponent(jLabel6)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED
, 20, Short.MAX_VALUE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.BASELINE)
            .addComponent(rbBaru)
            .addComponent(rbBekas))
          .addContainerGap())
    );

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

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
          .addGap(64, 64, 64)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.TRAILING)
            .addComponent(btnback)
            .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
                .addComponent(jLabel1)
```

```
                    .addComponent(jLabel2)
                    .addComponent(jLabel3))
                .addGap(38, 38, 38)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING, false)
                    .addComponent(txtID,
javax.swing.GroupLayout.DEFAULT_SIZE, 106, Short.MAX_VALUE)
                    .addComponent(txtharga)
                    .addComponent(txtnama))))
            .addGap(53, 53, 53)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
                    .addComponent(jLabel4)
                    .addComponent(jLabel5))
                .addGap(49, 49, 49)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
                    .addComponent(txtmerk,
javax.swing.GroupLayout.PREFERRED_SIZE, 106,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(txtstok,
javax.swing.GroupLayout.PREFERRED_SIZE, 106,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addComponent(btntambah)
            .addComponent(jPanel3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(69, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(24, 24, 24)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addComponent(txtID,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE,
```

```
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.BASELINE)
                .addComponent(txtstok,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel1)
                .addComponent(jLabel4)))
            .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.BASELINE)
                .addComponent(jLabel2)
                .addComponent(txtnama,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(txtmerk,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel5))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(24, 24, 24)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.BASELINE)
                    .addComponent(jLabel3)
                    .addComponent(txtharga,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGroup(jPanel1Layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELAT
ED)
                    .addComponent(jPanel3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED
, 34, Short.MAX_VALUE)
```

```java
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.BASELINE)
                .addComponent(btnback)
                .addComponent(btntambah))
            .addGap(34, 34, 34))
    );

    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.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    );
    layout.setVerticalGroup(

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

    pack();
}// </editor-fold>

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

    String nama, ID, hargaString, stokString, merk,jk = null;
    int harga,stok;

    nama = txtnama.getText();
    ID = txtID.getText();
    stokString = txtstok.getText();
    stok = Integer.parseInt(stokString);
    hargaString = txtharga.getText();
    harga = Integer.parseInt(hargaString);
    merk = txtmerk.getText();
    if(rbBaru.isSelected() == true){
        jk = rbBaru.getText();
    } else if (rbBekas.isSelected() == true){
        jk = rbBekas.getText();
    }

    try {
        Connection conn = koneksi.getConnection();
```

```java
        String sql = "INSERT INTO komputer VALUES (?, ?, ?, ?, ?, ?)";
        PreparedStatement stmt = conn.prepareStatement(sql);
        stmt.setString(1, ID);
        stmt.setString(2, nama);
        stmt.setInt(3, harga);
        stmt.setInt(4, stok);
        stmt.setString(5, merk);
        stmt.setString(6, jk);

        int rowAffected = stmt.executeUpdate();
        if (rowAffected > 0) {
            cls();
            JOptionPane.showMessageDialog(this, "Berhasil Menambahkan
Produk!", "SQL Information", JOptionPane.INFORMATION_MESSAGE);
            Menu menu = new Menu();
            stmt.close();
            menu.setVisible(true);
            dispose();
        }
    } catch (SQLException e) {
        JOptionPane.showMessageDialog(this, "Error: " + e.getMessage(),
"SQL Error", JOptionPane.ERROR_MESSAGE);
    }
}

private void btnbackActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Menu menu = new Menu();
    menu.setVisible(true);
    dispose();
}

private void txthargaKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    char karakter = evt.getKeyChar();
    if(!(((karakter >= '0') && (karakter <= '9') || (karakter ==
KeyEvent.VK_BACK_SPACE) || (karakter == KeyEvent.VK_DELETE)))){
        getToolkit().beep();
        evt.consume();
    }
}

private void txtstokKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    char karakter = evt.getKeyChar();
    if(!(((karakter >= '0') && (karakter <= '9') || (karakter ==
KeyEvent.VK_BACK_SPACE) || (karakter == KeyEvent.VK_DELETE)))){
        getToolkit().beep();
        evt.consume();
```

```java
        }
    }

    private void txtmerkKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
    }

    private void txtIDActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtnamaActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    /**
     * @param args the command line arguments
     */


    // Variables declaration - do not modify
    private javax.swing.JButton btnback;
    private javax.swing.JButton btntambah;
    private javax.swing.ButtonGroup buttonGroup1;
    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 jPanel3;
    private javax.swing.JRadioButton rbBaru;
    private javax.swing.JRadioButton rbBekas;
    private javax.swing.JTextField txtID;
    private javax.swing.JTextField txtharga;
    private javax.swing.JTextField txtmerk;
    private javax.swing.JTextField txtnama;
    private javax.swing.JTextField txtstok;
    // End of variables declaration
}
```

e. Edit Data (admin)

- Design

- Source Code

```
/*
 * Click
nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to
change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java
to edit this template
 */
package TokoKomputer;

import TokoKomputer.Menu;
import java.awt.event.KeyEvent;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import javax.swing.JOptionPane;


public class EditProduk extends javax.swing.JFrame {

    private Connection con;
    private Statement stat;
```

```java
    private ResultSet res;

    private String IDP = Menu.ID;

    private void cls() {
        txtnama.setText("");
        txtID.setText("");
        txtharga.setText("");
        txtmerk.setText("");
        txtstok.setText("");
        rbBaru.setSelected(false);
        rbBekas.setSelected(false);
    }

    public EditProduk() {
        initComponents();
        loadInput();
    }

    private void loadInput(){
        try {
            con =
DriverManager.getConnection("jdbc:mysql://localhost/TokoKomputer",
"root", "");
            String sql = "SELECT namaProduk, harga, stock, merekProduk,
kondisi FROM komputer WHERE idProduk = '" + IDP + "'";
            stat = con.createStatement();
            res = stat.executeQuery(sql);

            if(res.next()){
                this.txtnama.setText(res.getString("namaProduk"));
                this.txtID.setText(IDP);
                this.txtID.setEnabled(false);
                this.txtmerk.setText(res.getString("merekProduk"));
                this.txtharga.setText(String.valueOf(res.getInt("harga")));
                this.txtstok.setText(String.valueOf(res.getInt("stock")));
                if(res.getString("Kondisi").equals(rbBaru.getText())){
                    rbBaru.setSelected(true);
                } else {
                    rbBekas.setSelected(true);
                }
            }
            res.close();
            stat.close();
        } catch(SQLException e){
            JOptionPane.showMessageDialog(this, "Error: " + e.getMessage(),
"SQL Error", JOptionPane.ERROR_MESSAGE);
        }
    }
```

```java
    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        buttonGroup1 = new javax.swing.ButtonGroup();
        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        txtID = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        txtnama = new javax.swing.JTextField();
        jLabel3 = new javax.swing.JLabel();
        txtharga = new javax.swing.JTextField();
        jLabel4 = new javax.swing.JLabel();
        txtstok = new javax.swing.JTextField();
        jLabel5 = new javax.swing.JLabel();
        txtmerk = new javax.swing.JTextField();
        btntambah = new javax.swing.JButton();
        btnback = new javax.swing.JButton();
        jPanel2 = new javax.swing.JPanel();
        jLabel6 = new javax.swing.JLabel();
        rbBaru = new javax.swing.JRadioButton();
        rbBekas = new javax.swing.JRadioButton();


        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE
);

        jPanel1.setBackground(new java.awt.Color(249, 245, 234));

        jLabel1.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
        jLabel1.setText("ID Produk");

        txtID.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
        txtID.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtIDActionPerformed(evt);
            }
        });

        jLabel2.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
        jLabel2.setText("Nama");
```

```java
        txtnama.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
        txtnama.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtnamaActionPerformed(evt);
            }
        });

        jLabel3.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
        jLabel3.setText("Harga ");

        txtharga.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
        txtharga.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txthargaKeyTyped(evt);
            }
        });

        jLabel4.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
        jLabel4.setText("Stok");

        txtstok.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
        txtstok.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtstokKeyTyped(evt);
            }
        });

        jLabel5.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
        jLabel5.setText("Merek");

        txtmerk.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
        txtmerk.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtmerkKeyTyped(evt);
            }
        });

        btntambah.setBackground(new java.awt.Color(198, 158, 123));
        btntambah.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
        btntambah.setText("Ubah");
        btntambah.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btntambahActionPerformed(evt);
            }
```

```java
    });

    btnback.setBackground(new java.awt.Color(198, 158, 123));
    btnback.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
    btnback.setText("Kembali");
    btnback.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            btnbackActionPerformed(evt);
        }
    });

    jPanel2.setBackground(new java.awt.Color(198, 158, 123));
    jPanel2.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISE
D));
    jPanel2.setForeground(new java.awt.Color(204, 255, 255));

    jLabel6.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
    jLabel6.setText("Kondisi");

    buttonGroup1.add(rbBaru);
    rbBaru.setFont(new java.awt.Font("Nohemi", 0, 14)); // NOI18N
    rbBaru.setText("Baru");
    rbBaru.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            rbBaruActionPerformed(evt);
        }
    });

    buttonGroup1.add(rbBekas);
    rbBekas.setFont(new java.awt.Font("Nohemi", 0, 14)); // NOI18N
    rbBekas.setText("Bekas");

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

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addContainerGap()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
                .addComponent(jLabel6)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addComponent(rbBaru,
javax.swing.GroupLayout.PREFERRED_SIZE, 98,
```

```
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(rbBekas)))
            .addContainerGap(15, Short.MAX_VALUE))
    );
    jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel6)
            .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.BASELINE)
                .addComponent(rbBaru)
                .addComponent(rbBekas))
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );

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

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(49, 49, 49)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.TRAILING)
                .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
                    .addComponent(jLabel2)
                    .addComponent(jLabel1)
                    .addComponent(jLabel3))
                .addGap(70, 70, 70)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.TRAILING, false)
                    .addComponent(txtharga,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 106, Short.MAX_VALUE)
                    .addComponent(txtnama,
```

```java
javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(txtID,
javax.swing.GroupLayout.Alignment.LEADING)))
            .addComponent(btnback))
        .addGap(42, 42, 42)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addComponent(jLabel5)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.TRAILING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(jLabel4)
                .addGap(48, 48, 48)
                .addComponent(txtstok,
javax.swing.GroupLayout.PREFERRED_SIZE, 106,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addComponent(txtmerk,
javax.swing.GroupLayout.PREFERRED_SIZE, 106,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addComponent(btntambah)
            .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(61, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)
        .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(35, 35, 35)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.BASELINE)
                .addComponent(jLabel1)
                .addComponent(txtID,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel4)))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
```

```
            .addContainerGap()
            .addComponent(txtstok,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.BASELINE)
            .addComponent(txtnama,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel2)
            .addComponent(jLabel5))
        .addComponent(txtmerk,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(20, 20, 20)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.BASELINE)
                .addComponent(jLabel3)
                .addComponent(txtharga,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(jPanel1Layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELAT
ED)
            .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(30, 30, 30)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
        .addComponent(btntambah)
```

```java
            .addComponent(btnback))
          .addContainerGap(35, Short.MAX_VALUE))
    );

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    );
    layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    );

    pack();
  }// </editor-fold>

  private void btnbackActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Menu menu = new Menu();
    menu.setVisible(true);
    dispose();
  }

  private void btntambahActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String nama, ID, hargaString, stokString, merk,kn = null;
    int harga,stok;

    nama = txtnama.getText();
    stokString = txtstok.getText();
    stok = Integer.parseInt(stokString);
    hargaString = txtharga.getText();
    harga = Integer.parseInt(hargaString);
    merk = txtmerk.getText();
    if(rbBaru.isSelected() == true){
      kn = rbBaru.getText();
    } else if (rbBekas.isSelected() == true){
      kn = rbBekas.getText();
```

```java
        }

        try {
            Connection conn = koneksi.getConnection();
            String sql = "UPDATE komputer SET namaProduk = ?, harga = ?,
stock = ?, merekProduk = ?, kondisi = ? WHERE idProduk = ?";
            PreparedStatement stmt = conn.prepareStatement(sql);
            stmt.setString(1, nama);
            stmt.setInt(2, harga);
            stmt.setInt(3, stok);
            stmt.setString(4, merk);
            stmt.setString(5, kn);
            stmt.setString(6, IDP);

            int rowAffected = stmt.executeUpdate();
            if (rowAffected > 0) {
                cls();
                JOptionPane.showMessageDialog(this, "Berhasil Mengubah Data
Produk!", "SQL Information", JOptionPane.INFORMATION_MESSAGE);
                Menu menu = new Menu();
                stmt.close();
                menu.setVisible(true);
                dispose();
            }
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(this, "Error: " + e.getMessage(),
"SQL Error", JOptionPane.ERROR_MESSAGE);
        }
    }

    private void txthargaKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
        char karakter = evt.getKeyChar();
        if(!(((karakter >= '0') && (karakter <= '9') || (karakter ==
KeyEvent.VK_BACK_SPACE) || (karakter == KeyEvent.VK_DELETE)))){
            getToolkit().beep();
            evt.consume();
        }
    }

    private void txtstokKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
        char karakter = evt.getKeyChar();
        if(!(((karakter >= '0') && (karakter <= '9') || (karakter ==
KeyEvent.VK_BACK_SPACE) || (karakter == KeyEvent.VK_DELETE)))){
            getToolkit().beep();
            evt.consume();
        }
    }
```

```java
    private void txtmerkKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
    }

    private void txtnamaActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtIDActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void rbBaruActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    /**
     * @param args the command line arguments
     */


    // Variables declaration - do not modify
    private javax.swing.JButton btnback;
    private javax.swing.JButton btntambah;
    private javax.swing.ButtonGroup buttonGroup1;
    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 jPanel2;
    private javax.swing.JRadioButton rbBaru;
    private javax.swing.JRadioButton rbBekas;
    private javax.swing.JTextField txtID;
    private javax.swing.JTextField txtharga;
    private javax.swing.JTextField txtmerk;
    private javax.swing.JTextField txtnama;
    private javax.swing.JTextField txtstok;
    // End of variables declaration
}
```

f. Menu User (Read Data)

- Design

- Source Code

```
/*
 * Click
nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to
change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java
to edit this template
 */
package TokoKomputer;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.time.LocalDate;
import javax.swing.JOptionPane;
import javax.swing.ListSelectionModel;
import javax.swing.table.DefaultTableModel;
import static TokoKomputer.Menu.ID;


public class MenuUser extends javax.swing.JFrame {

    private Connection con;
```

```java
    private Statement stat;
    private ResultSet res;

    public static String ID;

    public MenuUser() {
        initComponents();
        koneksi();
        tabel();
    }

    public void koneksi() {
        try {
            Class.forName("com.mysql.jdbc.Driver");
            con =
DriverManager.getConnection("jdbc:mysql://localhost/tokokomputer",
"root", "");
            stat = con.createStatement();
        } catch (Exception e) {
            JOptionPane.showMessageDialog(null, e);
        }
    }

    private void tabel() {
        koneksi();
        DefaultTableModel tb = (DefaultTableModel) table.getModel();
        table.setSelectionMode(ListSelectionModel.SINGLE_SELECTION);
        tb.setRowCount(0);

        try {
            String sql = "select * from komputer";
            res = stat.executeQuery(sql);
            while (res.next()) {
                tb.addRow(new Object[]{
                    res.getString("idProduk"),
                    res.getString("namaProduk"),
                    res.getInt("harga"),
                    res.getInt("stock"),
                    res.getString("merekProduk"),
                    res.getString("Kondisi")
                });
            }
            res.close();
            stat.close();
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(null, "Error: " + e);
        }
    }
```

```java
    private void tabel(String search) {
        koneksi();
        DefaultTableModel tb = (DefaultTableModel) table.getModel();
        table.setSelectionMode(ListSelectionModel.SINGLE_SELECTION);
        tb.setRowCount(0);

        try {
            String sql = "select * from komputer WHERE namaProduk LIKE
'%" + search + "%' OR merekProduk LIKE '%" + search + "%'";
            res = stat.executeQuery(sql);
            while (res.next()) {
                tb.addRow(new Object[]{
                    res.getString("idProduk"),
                    res.getString("namaProduk"),
                    res.getInt("harga"),
                    res.getInt("stock"),
                    res.getString("merekProduk"),
                    res.getString("Kondisi")
                });
            }
            res.close();
            stat.close();
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(null, "Error: " + e);
        }
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is
always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jScrollPane1 = new javax.swing.JScrollPane();
        table = new javax.swing.JTable();
        txtsearch = new javax.swing.JTextField();
        btnpesan = new javax.swing.JButton();
        jLabel2 = new javax.swing.JLabel();
        MenuBarAdmin = new javax.swing.JMenuBar();
        jMenu6 = new javax.swing.JMenu();
        jMenu2 = new javax.swing.JMenu();


setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLO
SE);
```

```java
    table.setBackground(new java.awt.Color(244, 236, 223));
    table.setModel(new javax.swing.table.DefaultTableModel(
        new Object [][] {
            {null, null, null, null, null, null},
            {null, null, null, null, null, null},
            {null, null, null, null, null, null},
            {null, null, null, null, null, null}
        },
        new String [] {
            "ID Produk", "Nama Produk", "Harga", "Stok", "Merek",
"Kondisi"
        }
    ));
    table.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            tableMouseClicked(evt);
        }
    });
    jScrollPane1.setViewportView(table);

    txtsearch.setFont(new java.awt.Font("Times New Roman", 0, 14)); //
NOI18N
    txtsearch.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            txtsearchActionPerformed(evt);
        }
    });
    txtsearch.addKeyListener(new java.awt.event.KeyAdapter() {
        public void keyReleased(java.awt.event.KeyEvent evt) {
            txtsearchKeyReleased(evt);
        }
    });

    btnpesan.setBackground(new java.awt.Color(182, 142, 107));
    btnpesan.setFont(new java.awt.Font("Poppins", 0, 14)); // NOI18N
    btnpesan.setText("Pesan");
    btnpesan.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            btnpesanActionPerformed(evt);
        }
    });

    jLabel2.setFont(new java.awt.Font("Poppins", 0, 12)); // NOI18N
    jLabel2.setText("CARI BARANG");

    MenuBarAdmin.setBackground(new java.awt.Color(249, 245, 234));

    jMenu6.setBackground(new java.awt.Color(204, 255, 255));
```

```java
    jMenu6.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAIS
ED));
    jMenu6.setText("History Order");
    jMenu6.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            jMenu6MouseClicked(evt);
        }
    });
    MenuBarAdmin.add(jMenu6);

    jMenu2.setBackground(new java.awt.Color(204, 255, 255));
    jMenu2.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAIS
ED));
    jMenu2.setText("Logout");
    jMenu2.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            jMenu2MouseClicked(evt);
        }
    });
    MenuBarAdmin.add(jMenu2);

    setJMenuBar(MenuBarAdmin);

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
        .addComponent(jScrollPane1,
javax.swing.GroupLayout.DEFAULT_SIZE, 678, Short.MAX_VALUE)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(btnpesan)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jLabel2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
            .addComponent(txtsearch,
javax.swing.GroupLayout.PREFERRED_SIZE, 195,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(14, 14, 14))
```

```java
    );
    layout.setVerticalGroup(

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

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(0, 0, Short.MAX_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.BASELINE)
                    .addComponent(txtsearch,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel2))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D))
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(btnpesan)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
        .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 351,
javax.swing.GroupLayout.PREFERRED_SIZE))
    );

    pack();
  }// </editor-fold>

  private void txtsearchKeyReleased(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    String cari = txtsearch.getText();
    tabel(cari);
  }

  private void tableMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    int baris = table.getSelectedRow();
    ID = (String) table.getValueAt(baris, 0);
    System.out.println(ID);
  }
```

```java
    private void jMenu2MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        Login login = new Login();
        login.setVisible(true);
        dispose();
    }

    private void btnpesanActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        if (!ID.isEmpty()) {
            String username, id_alat;
            username = Login.IDU;
            id_alat = ID;
            String tanggal = LocalDate.now().toString();

            int response = JOptionPane.showConfirmDialog(this, "Apakah
Anda Yakin Ingin Membali Produk Dengan ID " + id_alat, "Konfirmasi",
JOptionPane.YES_NO_OPTION);
            switch (response) {
                case JOptionPane.YES_OPTION:
                    try {
                        Connection conn = koneksi.getConnection();
                        String sql = "INSERT INTO orders VALUES (NULL,?,?,?)";
                        PreparedStatement stmt = conn.prepareStatement(sql);
                        stmt.setString(1, username);
                        stmt.setString(2, id_alat);
                        stmt.setString(3, tanggal);

                        int rowAffected = stmt.executeUpdate();
                        if (rowAffected > 0) {
                            ID = null;
                            JOptionPane.showMessageDialog(this, "Berhasil Membeli
Produk!", "SQL Information", JOptionPane.INFORMATION_MESSAGE);
                            stmt.close();
                            tabel();
                        }
                    } catch (SQLException e) {
                        JOptionPane.showMessageDialog(this, "Error: " +
e.getMessage(), "SQL Error", JOptionPane.ERROR_MESSAGE);
                    }
                    break;
                default:
                    throw new AssertionError();
            }
        } else {
            JOptionPane.showMessageDialog(this, "Harap Pilih Produk
Terlebih Dahulu");
        }
```

```java
    }

    private void jMenu6MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        Historyorder HO = new Historyorder();
        HO.setVisible(true);
        dispose();
    }

    private void txtsearchActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    /**
     * @param args the command line arguments
     */

    // Variables declaration - do not modify
    private javax.swing.JMenuBar MenuBarAdmin;
    private javax.swing.JButton btnpesan;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JMenu jMenu2;
    private javax.swing.JMenu jMenu6;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTable table;
    private javax.swing.JTextField txtsearch;
    // End of variables declaration
}
```
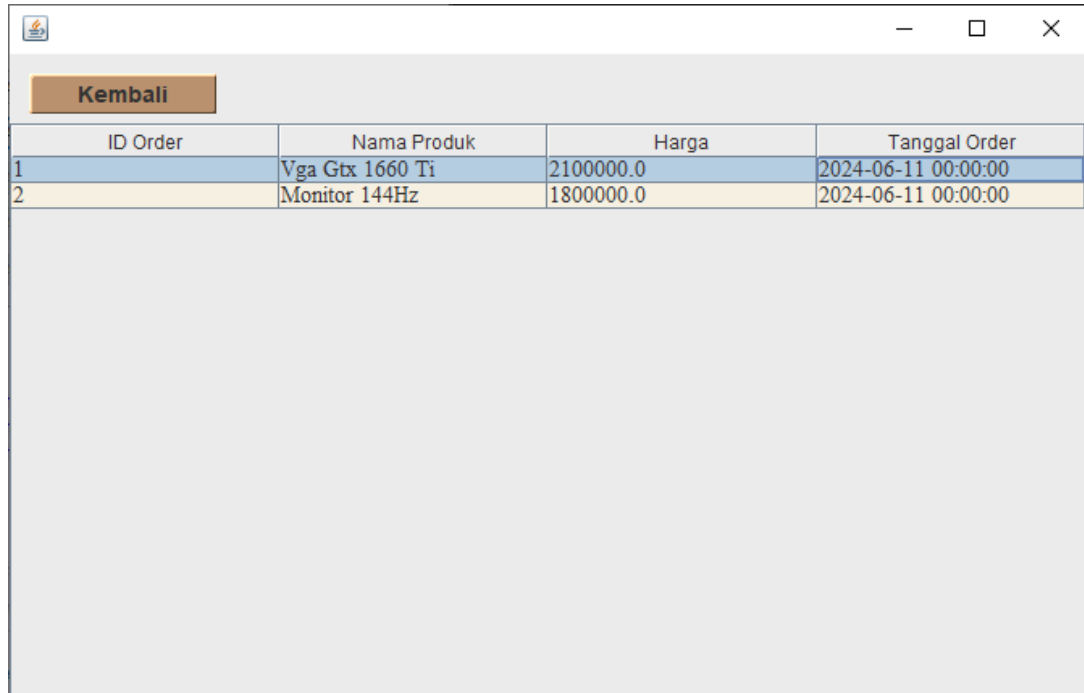
g. Menu User (History Order)

- Design

-

```
/*
 * Click
nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to
change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java
to edit this template
 */
package TokoKomputer;

import TokoKomputer.MenuUser;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import javax.swing.JOptionPane;
import javax.swing.ListSelectionModel;
import javax.swing.table.DefaultTableModel;

public class Historyorder extends javax.swing.JFrame {

    private Connection con;
    private Statement stat;
    private ResultSet res;
```

```java
    public Historyorder() {
        initComponents();
        koneksi();
        tabel();
    }

    public void koneksi() {
        try {
            Class.forName("com.mysql.jdbc.Driver");
            con =
DriverManager.getConnection("jdbc:mysql://localhost/tokokomputer",
"root", "");
            stat = con.createStatement();
        } catch (Exception e) {
            JOptionPane.showMessageDialog(null, e);
        }
    }

    private void tabel() {
        koneksi();
        DefaultTableModel tb = (DefaultTableModel) table.getModel();
        table.setSelectionMode(ListSelectionModel.SINGLE_SELECTION);
        tb.setRowCount(0);

        try {
            String sql = "select * from orders JOIN komputer ON
orders.idProduk = komputer.idProduk WHERE username = '" + Login.IDU
+ "'";
            res = stat.executeQuery(sql);
            while (res.next()) {
                tb.addRow(new Object[]{
                    res.getInt("orderId"),
                    res.getString("namaProduk"),
                    res.getString("harga"),
                    res.getString("orderDate")
                });
            }
            res.close();
            stat.close();
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(null, "Error: " + e);
        }
    }

    /**
     * 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.
```

```java
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jScrollPane1 = new javax.swing.JScrollPane();
        table = new javax.swing.JTable();
        jButton1 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        table.setBackground(new java.awt.Color(248, 242, 229));
        table.setFont(new java.awt.Font("Times New Roman", 0, 14)); // NOI18N
        table.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 [] {
                "ID Order", "Nama Produk", "Harga", "Tanggal Order"
            }
        ));
        jScrollPane1.setViewportView(table);

        jButton1.setBackground(new java.awt.Color(185, 145, 111));
        jButton1.setFont(new java.awt.Font("Poppins", 1, 14)); // NOI18N
        jButton1.setText("Kembali");
        jButton1.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISED));
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jScrollPane1,
```

```java
javax.swing.GroupLayout.DEFAULT_SIZE, 668, Short.MAX_VALUE)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 116,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );
    layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jButton1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
            .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 357,
javax.swing.GroupLayout.PREFERRED_SIZE))
    );

    pack();
}// </editor-fold>

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    MenuUser MU = new MenuUser();
    MU.setVisible(true);
    dispose();
}

/**
 * @param args the command line arguments
 */


// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable table;
// End of variables declaration
}
```