Tugas Pemrograman Visual

Tugas 6 (Login Form)

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Kelas   : Teknik Informatika Bilingual A 5

Source Code:

```
<
import javax.swing.*;
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.sql.*;

public class UserLogin extends JFrame {
   static Connection conn;
   JLabel label1,label2;
   JTextField textField1;
   JButton button1,button2;
   JPasswordField pwField1;

   UserLogin(){
     try {
        Class.forName("com.mysql.jdbc.Driver");
        System.out.println("Driver OK");
        conn = DriverManager.getConnection("jdbc:mysql://localhost/db_pemvis", "root", "");
        System.out.println("DB CONNECT");
     }
     catch (SQLException|ClassNotFoundException e){
        System.out.print(e);
     }
     label1 = new JLabel("NIM");
     label2 = new JLabel("Password");

     textField1 = new JTextField();
     pwField1 = new JPasswordField();

     button1 = new JButton("Login");
     button2 = new JButton("Cancel");

     GridLayout layout = new GridLayout(3,2,5,5);
     setLayout(layout);
```

```java
    add(label1);
    add(textField1);
    add(label2);
    add(pwField1);
    add(button1);
    add(button2);

    ButtonSubmitActionListener submitButton = new ButtonSubmitActionListener();
    button1.addActionListener(submitButton);

    ButtonCancelActionListener cancelButton = new ButtonCancelActionListener();
    button2.addActionListener(cancelButton);

  }

  public static void main(String[] args) throws SQLException,ClassNotFoundException{
    UserLogin frame = new UserLogin();
    frame.setSize(400,300);
    frame.setTitle("Login");
    frame.setLocationRelativeTo(null);
    frame.setDefaultCloseOperation(EXIT_ON_CLOSE);
    frame.setVisible(true);
  }

  class ButtonSubmitActionListener implements ActionListener {

    @Override
    public void actionPerformed(ActionEvent actionEvent) {
      String nama = textField1.getText();
      String jurusan = pwField1.getText();

      String sql_cek = "SELECT mahasiswa.nim, mahasiswa.password from mahasiswa where
mahasiswa.nim LIKE '"+nama+"' AND mahasiswa.password LIKE '"+jurusan+"'" ;
      try {
        Statement select_statement = conn.createStatement();
        ResultSet goCek = select_statement.executeQuery(sql_cek);

        if(goCek.next()){
          while(goCek.next()){
            if(goCek.getString(1).equals(nama)) {
              if(goCek.getString(2).equals(jurusan)) {
                JOptionPane.showMessageDialog(null, new JLabel("Login Berhasil"));
              }
            }
          }
        }else{
          JOptionPane.showMessageDialog(null, new JLabel("Password atau Username Salah"));
        }
```

```java
        }
        catch (SQLException e){
            e.printStackTrace();

        }
      }
    }

    class ButtonCancelActionListener implements ActionListener {

        @Override
        public void actionPerformed(ActionEvent actionEvent) {
            System.exit(1);
        }
    }
}

>
```

Screenshot:

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>