

**Laporan Porjek UTS**  
**Pemrograman Komputer 2**



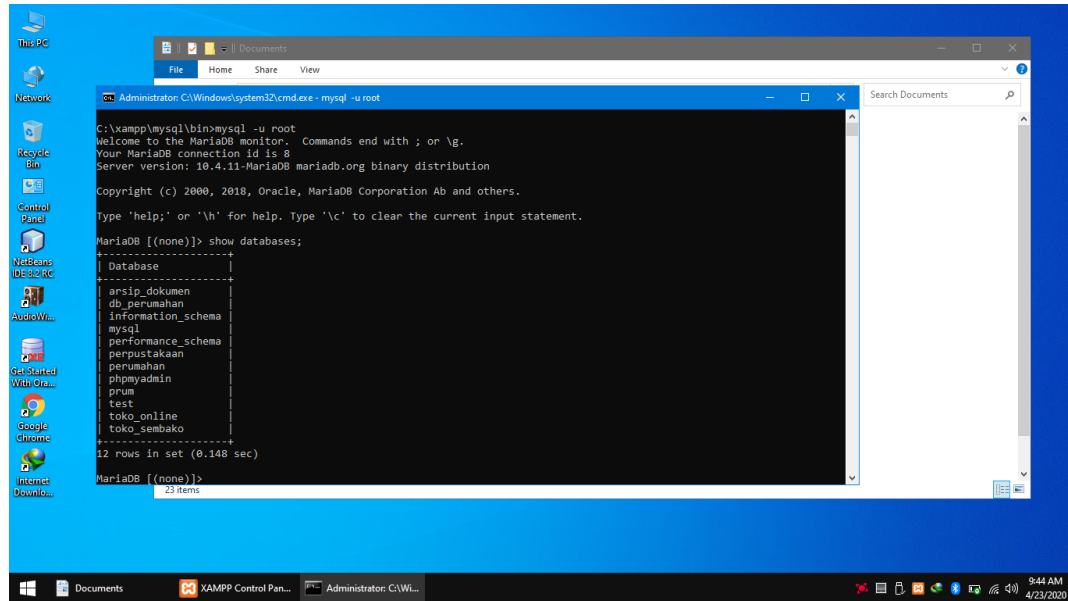
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**KELAS : 4C**

**POLITEKNIK HARAPAN BERSAMA**  
**KOTA TEGAL**

# Manual book Arsip Dokumentasi

## 1. Membuat data base

- Buka xampp, lalu aktifkan Apache dan Mysql dan pilih admin untuk masuk ke phpmyadmin
- Lalu kita buat basis data seperti di bawah ini :



The screenshot shows a Windows desktop with a blue background. A command prompt window is open, displaying the following text:

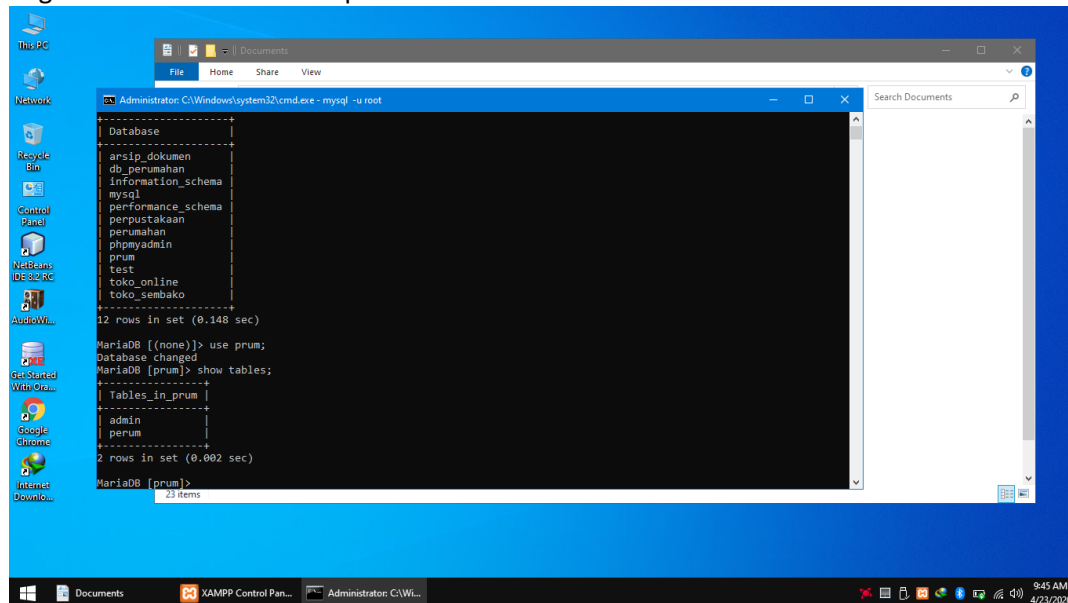
```
C:\xampp\mysql\bin>mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 8
Server version: 10.4.11-MariaDB mariadb.org binary distribution
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| ansip_dokumen |
| db_perumahan |
| information_schema |
| mysql |
| performance_schema |
| perustakaan |
| perumahan |
| phpmyadmin |
| prum |
| test |
| toko_online |
| toko_sembako |
+-----+
12 rows in set (0.148 sec)

MariaDB [(none)]>
```

- Bagian admin kalian bikin seperti di bawah ini :

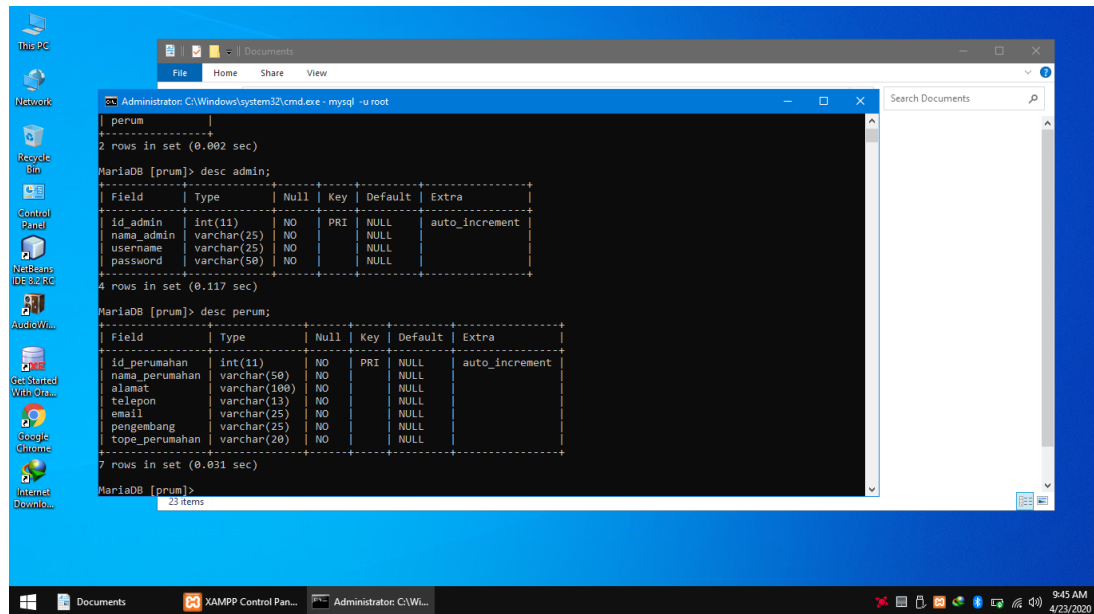


The screenshot shows a Windows desktop with a blue background. A command prompt window is open, displaying the following text:

```
MariaDB [(none)]> use prum;
Database changed
MariaDB [prum]> show tables;
+-----+
| Tables_in_prum |
+-----+
| admin |
| perum |
+-----+
2 rows in set (0.002 sec)

MariaDB [prum]>
```

- Bagian arsip\_dokumen bikin seperti di bawah ini :



- Membuat data base sudah selesai

## 2. Menyiapkan Project

- Buka aplikasi Netbeans anda, kemudian buat project baru dengan nama Dokumen.
- Setelah anda membuat project baru,

### 3. Membuat kelas

- Buat class "konfig" dan buat JFrame "Login","dokumen"
- Class konfig fungsinya untuk menyambungkan ke database, Isikan di class konfig seperti dibawah ini :

```
/*
 * 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 perum;

import java.awt.Frame;
import javax.swing.JOptionPane;

/**
 *
 * @author ucup
 */
public class home extends javax.swing.JFrame {

    /**
     * Creates new form home
     */
    public home() {
        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() {

        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setBackground(new java.awt.Color(255, 102, 255));
        setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT_CURSOR));

        jLabel1.setFont(new java.awt.Font("Tahoma", 0, 36)); // NOI18N
        jLabel1.setText("Formulir");
    }
}
```



```

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 93,
Short.MAX_VALUE)
        .addComponent(jLabel3)
        .addGap(90, 90, 90))
    );

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

private void jLabel3MouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    System.exit(0);
}

private void jLabel1MouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    this.dispose();
    new dataperum().setVisible(true);
}

private void jLabel2MouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    int pilih = JOptionPane.showConfirmDialog(this,
        "Apakah anda yakin ingin keluar?",
        "Konfirmasi Keluar", JOptionPane.YES_NO_OPTION);
    if(pilih == JOptionPane.YES_OPTION){
        //System.exit(0);
        login l = new login();
        l.setExtendedState(Frame.MAXIMIZED_BOTH);
        this.setVisible(false);
        l.setVisible(true);
    }
}

/**
 * @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(home.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(home.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(home.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(home.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    }
}
//</editor-fold>

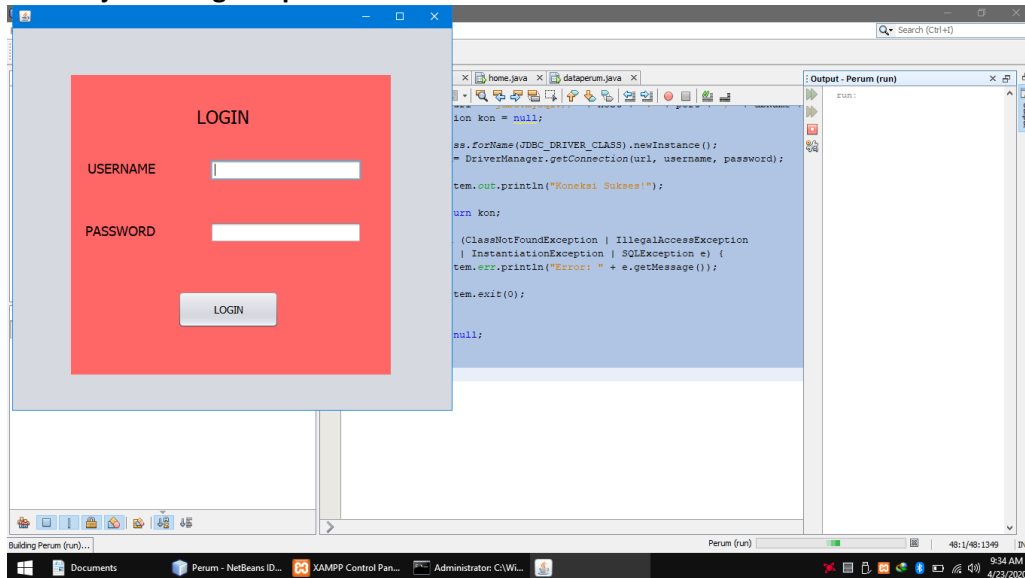
/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new home().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
// End of variables declaration
}

```

#### 4. JFrame

- Buat JFrame login seperti di bawah ini :



- Lalu isikan seperti di bawah ini :

1. Kita import seperti ini

```
import java.awt.Frame;  
import java.awt.HeadlessException;  
import java.sql.Connection;  
import java.sql.ResultSet;  
import java.sql.SQLException;  
import java.sql.Statement;  
import javax.swing.JOptionPane;
```



2. Ikuti saja biar jadi seperti ini

```
java.awt.EventQueue.invokeLater(new Runnable() {
    public class login extends javax.swing.JFrame {

        /**
         * Creates new form login
         */

        public void login() {
            String user = txtusername.getText();
            char[] pass = txtpassword.getPassword();

            if (user.isEmpty()) {
                JOptionPane.showMessageDialog(this, "Username tidak boleh kosong :(");
                txtusername.requestFocus();
            } else if (pass.length == 0) {
                JOptionPane.showMessageDialog(this, "Password tidak boleh kosong :(");
                txtpassword.requestFocus();
            } else {
                String password = new String(pass);
                try {
                    Connection kon = koneksi.sambungDB();
                    Statement st = kon.createStatement();
                    String q = "SELECT * FROM admin "
                        + "WHERE username='" + user + "' "
                        + "AND password=MD5('" + password + "')";

                    ResultSet rs = st.executeQuery(q);
                    if (rs.next()) {
                        home h = new home();
                        h.setExtendedState(Frame.MAXIMIZED_BOTH);
                        this.setVisible(false);
                        h.setVisible(true);
                    } else {
                        JOptionPane.showMessageDialog(this, "Username dan password salah :( ");
                        txtusername.requestFocus();
                    }
                } catch (HeadlessException | SQLException e) {
                    JOptionPane.showMessageDialog(this, e.getMessage());
                }
            }
        }
    }
}
```

```
    }  
    }  
}
```

```
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() {
```

```
    jPanel1 = new javax.swing.JPanel();  
    jLabel1 = new javax.swing.JLabel();  
    jLabel2 = new javax.swing.JLabel();  
    jLabel3 = new javax.swing.JLabel();  
    txtusername = new javax.swing.JTextField();  
    txtpassword = new javax.swing.JPasswordField();  
    btnlogin = new javax.swing.JButton();
```

```
    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```
    jPanel1.setBackground(new java.awt.Color(255, 102, 102));
```

```
    jLabel1.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N
```

```
    jLabel1.setText("LOGIN");
```

```
    jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
```

```
    jLabel2.setText("USERNAME");
```

```
    jLabel3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
```

```
    jLabel3.setText("PASSWORD");
```

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

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

```
            txtusernameActionPerformed(evt);
```

```

    }
});

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

btnlogin.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
btnlogin.setText("LOGIN");
btnlogin.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnloginActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jLabel1)
            .addGap(19, 19, 19)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(txtusername)
                .addComponent(txtpassword, javax.swing.GroupLayout.DEFAULT_SIZE, 201,
Short.MAX_VALUE))
            .addGap(167, 167, 167)
            .addComponent(jLabel2)
            .addGap(142, 142, 142)
        )
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jLabel3)
            .addGap(73, 73, 73)
        )
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jLabel4)
            .addGap(19, 19, 19)
        )
);

```

```

        .addComponent(btnlogin, javax.swing.GroupLayout.PREFERRED_SIZE, 134,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap(39, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(41, 41, 41)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(42, 42, 42)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(txtusername, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel2))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 55,
Short.MAX_VALUE)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(txtpassword, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel3))
            .addGap(64, 64, 64)
            .addComponent(btnlogin, javax.swing.GroupLayout.PREFERRED_SIZE, 49,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(62, 62, 62))
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(77, 77, 77)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(81, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(62, 62, 62)

```

```

        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(47, Short.MAX_VALUE))
    );

```

```

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

```

```

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

```

```

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

```

```

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

```

```

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

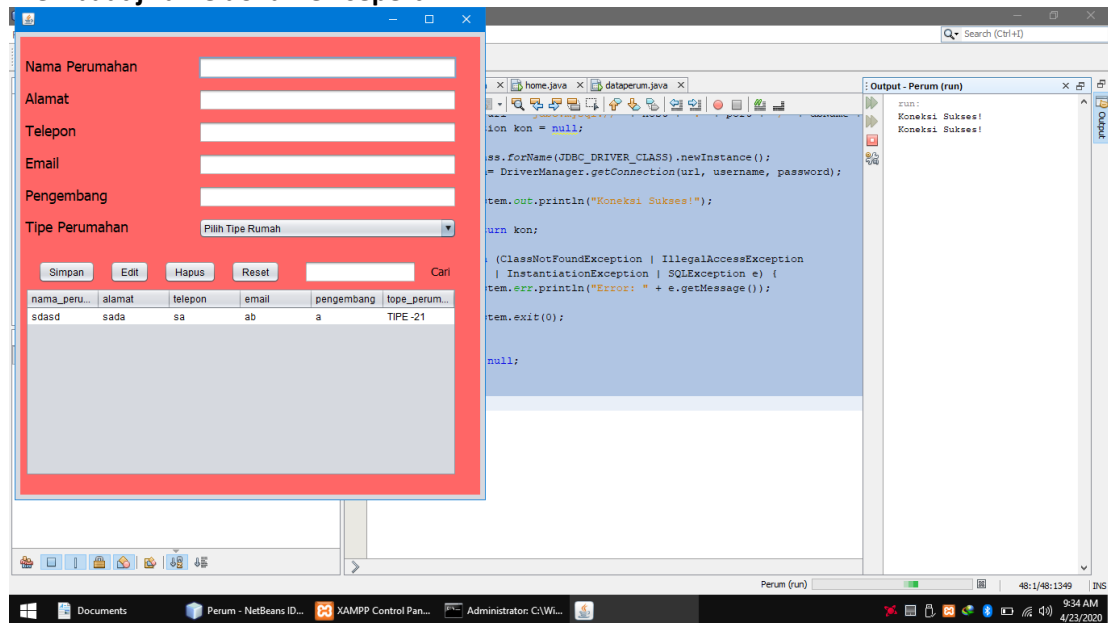
```

```

// Variables declaration - do not modify
private javax.swing.JButton btnlogin;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JPanel jPanel1;
private javax.swing.JPasswordField txtpassword;
private javax.swing.JTextField txtusername;
// End of variables declaration
}

```

- Membuat JFrame dokumen seperti ini :



- Lalu isikan seperti di bawah ini :

```

/*
 * 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 perum;

```

```

/**
 *
 * @author ucup
 */

```

```

import java.io.ByteArrayOutputStream;
import java.io.File;
import java.io.FileInputStream;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import javax.swing.Icon;
import javax.swing.ImageIcon;
import javax.swing.JFileChooser;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import view.Koneksi;

```

```

public class dataperum extends javax.swing.JFrame {

```

```

    /**
     * Creates new form dataperum

```

```

*/

int idBaris = 0;
String role;
DefaultTableModel model;
String filename = null;

private void aturModelTabel() {
    Object[] kolom = {"No", "nama_perumahan", "alamat", "telepon", "email", "pengembang",
"tope_perumahan"};
    model = new DefaultTableModel(kolom, 0) {
        boolean[] canEdit = new boolean[]{
            false, false, false, false, false, false, false
        };
    };

    @Override
    public boolean isCellEditable(int rowIndex, int columnIndex) {
        return canEdit[columnIndex];
    }
};
tbldata.setModel(model);
tbldata.setRowHeight(20);
tbldata.getColumnModel().getColumn(0).setMinWidth(0);
tbldata.getColumnModel().getColumn(0).setMaxWidth(0);
}

private void resetForm() {
    tbldata.clearSelection();
    txtnama.setText("");
    txtalamat.setText("");
    txttelepon.setText("");
    txtemail.setText("");
    txtpengembang.setText("");
    cmbtipe.setSelectedIndex(0);
}

private void Tipe() {
    cmbtipe.removeAllItems();
    cmbtipe.addItem("Pilih Tipe Rumah");
    cmbtipe.addItem("TIPE -21");
    cmbtipe.addItem("TIPE -36");
    cmbtipe.addItem("TIPE -45");
    cmbtipe.addItem("TIPE -54");
    cmbtipe.addItem("TIPE -60");
    cmbtipe.addItem("TIPE -70");
    cmbtipe.addItem("TIPE -120");
}

private void showData(String key) {
    model.getDataVector().removeAllElements();
    String where = "";
    if (!key.isEmpty()) {
        where += "WHERE nama_perumahan LIKE '%" + key + "%' "
            + "OR alamat LIKE '%" + key + "%' "
            + "OR telepon LIKE '%" + key + "%' "
            + "OR email LIKE '%" + key + "%' "

```



```

        + "OR pengembang LIKE '%" + key + "%' "
        + "OR tipe_perumahan LIKE '%" + key + "%'";
    }
    String sql = "SELECT * FROM perum " + where;
    Connection con;
    Statement st;
    ResultSet rs;
    int baris = 0;
    try {
        con = koneksi.sambungDB();
        st = con.createStatement();
        rs = st.executeQuery(sql);
        while (rs.next()) {
            Object id = rs.getInt(1);
            Object nama = rs.getString(2);
            Object alamat = rs.getString(3);
            Object telepon = rs.getString(4);
            Object email = rs.getString(5);
            Object pengembang = rs.getString(6);
            Object tipe_perumahan = rs.getString(7);

            Object[] data = {id, nama, alamat, telepon, email, pengembang, tipe_perumahan};

            model.insertRow(baris, data);

            baris++;

        }
        st.close();
        con.close();
        tbldata.revalidate();
        tbldata.repaint();
    } catch (SQLException e) {
        System.err.println("showData(): " + e.getMessage());
    }
}

private void resetView() {
    resetForm();
    showData("");
    btnhapus.setEnabled(false);
    idBaris = 0;
}

private void pilihData(String n) {
    btnhapus.setEnabled(true);
    String sql = "SELECT * FROM perum WHERE id_perumahan='" + n + "'";
    Connection con;
    Statement st;
    ResultSet rs;
    try {
        con = koneksi.sambungDB();
        st = con.createStatement();
        rs = st.executeQuery(sql);
        while (rs.next()) {
            int id = rs.getInt(1);

```

```

        String nama = rs.getString(2);
        String alamat = rs.getString(3);
        String no_telp = rs.getString(4);
        String email = rs.getString(5);
        String pengembang = rs.getString(6);
        Object tipe_perumahan = rs.getString(7);

        idBaris = id;
        txtnama.setText(nama);
        txtalamat.setText(alamat);
        txttelepon.setText(no_telp);
        txtemail.setText(email);
        txtpengembang.setText(pengembang);
        cmbtipe.setSelectedItem(tipe_perumahan);
    }
    st.close();
    con.close();
} catch (SQLException e) {
    System.err.println("pilihData(): " + e.getMessage());
}
}

private void simpanData() {
    String nama_perumahan = txtnama.getText();
    String alamat = txtalamat.getText();
    String telepon = txttelepon.getText();
    String email = txtemail.getText();
    String pengembang = txtpengembang.getText();
    int tipe_perumahan = cmbtipe.getSelectedIndex();
    if (nama_perumahan.isEmpty() || alamat.isEmpty() || telepon.isEmpty() || email.isEmpty() ||
        pengembang.isEmpty() || tipe_perumahan == 0) {
        JOptionPane.showMessageDialog(this, "Mohon lengkapi data!");
    } else {
        String tipe_perumahan_isi = cmbtipe.getSelectedItem().toString();
        String sql
            = "INSERT INTO perum (nama_perumahan, alamat, telepon, "
            + "email, pengembang, tipe_perumahan) "
            + "VALUES (" + nama_perumahan + "\",\"" + alamat + "\",\" "
            + "\"" + telepon + "\",\"" + email + "\",\"" + pengembang + "\",\"" +
tipe_perumahan_isi + "\"))";
        Connection con;
        Statement st;
        try {
            con = koneksi.sambungDB();
            st = con.createStatement();
            st.executeUpdate(sql);
            st.close();
            con.close();
            resetView();

            JOptionPane.showMessageDialog(this, "Data telah disimpan!");
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(this, e.getMessage());
        }
    }
}

```

```

    }

    private void ubahData() {
        String nama_perumahan = txtnama.getText();
        String alamat = txtalamat.getText();
        String telepon = txttelepon.getText();
        String email = txtemail.getText();
        String pengembang = txtpengembang.getText();
        int tipe_perumahan = cmbtipe.getSelectedIndex();
        if (nama_perumahan.isEmpty() || alamat.isEmpty() || telepon.isEmpty() || email.isEmpty() ||
            pengembang.isEmpty() || tipe_perumahan == 0) {

            JOptionPane.showMessageDialog(this, "Mohon lengkapi data!");
        } else {
            String tipe_perumahan_isi = cmbtipe.getSelectedItem().toString();
            String sql = "UPDATE perum "
                + "SET nama_perumahan=\"" + nama_perumahan + "\", "
                + "alamat=\"" + alamat + "\", "
                + "telepon=\"" + telepon + "\", "
                + "email=\"" + email + "\", "
                + "pengembang=\"" + pengembang + "\", "
                + "tipe_perumahan=\"" + tipe_perumahan_isi + "\" WHERE id_perumahan=\"" +
            idBaris + "\"";
            Connection con;
            Statement st;
            try {
                con = koneksi.sambungDB();
                st = con.createStatement();
                st.executeUpdate(sql);

                st.close();
                con.close();
                resetView();

                JOptionPane.showMessageDialog(this, "Data telah diubah!");
            } catch (SQLException e) {
                JOptionPane.showMessageDialog(this, e.getMessage());
            }
        }
    }

    private void hapusData(int baris) {
        Connection con;
        Statement st;
        try {
            con = koneksi.sambungDB();
            st = con.createStatement();
            st.executeUpdate("DELETE FROM perum WHERE id_perumahan=" + baris);
            st.close();
            con.close();
            resetView();
            JOptionPane.showMessageDialog(this, "Data telah dihapus");
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(this, e.getMessage());
        }
    }
}

```

```

private void reset(){
    txtnama.setText("");
    txtalamat.setText("");
    txttelepon.setText("");
    txtemail.setText("");
    txtpengembang.setText("");
}

public dataperum() {
    initComponents();
    aturModelTabel();
    Tipe();
    showData("");
}

/**
 * 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();
    jLabel10 = new javax.swing.JLabel();
    jLabel11 = new javax.swing.JLabel();
    jLabel12 = new javax.swing.JLabel();
    jLabel13 = new javax.swing.JLabel();
    jLabel14 = new javax.swing.JLabel();
    txtnama = new javax.swing.JTextField();
    txtalamat = new javax.swing.JTextField();
    txttelepon = new javax.swing.JTextField();
    txtemail = new javax.swing.JTextField();
    txtpengembang = new javax.swing.JTextField();
    cmbtipe = new javax.swing.JComboBox<>();
    btnsimpan = new javax.swing.JButton();
    btncancel = new javax.swing.JButton();
    btncari = new javax.swing.JButton();
    btndelete = new javax.swing.JButton();
    btnreset = new javax.swing.JButton();
    txtcari = new javax.swing.JTextField();
    jScrollPane1 = new javax.swing.JScrollPane();
    tbldata = new javax.swing.JTable();
    jLabel2 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(255, 102, 102));

    jLabel1.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
    jLabel1.setText("Nama Perumahan");

    jLabel10.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
    jLabel10.setText("Alamat");

```

```

jLabel11.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jLabel11.setText("Telepon");

jLabel12.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jLabel12.setText("Email");

jLabel13.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jLabel13.setText("Pengembang");

jLabel14.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jLabel14.setText("Tipe Perumahan");

cmbtipe.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Item 1",
"Item 2", "Item 3", "Item 4" }));

btnsimpan.setText("Simpan");
btnsimpan.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnsimpanActionPerformed(evt);
    }
});

btndedit.setText("Edit");
btndedit.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btndeditActionPerformed(evt);
    }
});

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

btnreset.setText("Reset");
btnreset.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnresetActionPerformed(evt);
    }
});

txtcari.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyReleased(java.awt.event.KeyEvent evt) {
        txtcariKeyReleased(evt);
    }
});

tbldata.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[] {

```

```
    },  
    new String [] {  
        "Title 1", "Title 2", "Title 3", "Title 4"  
    }  
));  
tblldata.addMouseListener(new java.awt.event.MouseAdapter() {  
    public void mouseClicked(java.awt.event.MouseEvent evt) {  
        tblldataMouseClicked(evt);  
    }  
});  
jScrollPane1.setViewportView(tblldata);  
  
jLabel2.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N  
jLabel2.setText("Cari");  
  
javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);  
jPanel1.setLayout(jPanel1Layout);  
jPanel1Layout.setHorizontalGroup(  
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(jPanel1Layout.createSequentialGroup()  
            .addGap(76, 76, 76)
```

```

        .addComponent(btnreset)
        .addGap(30, 30, 30)
        .addComponent(txtcari)
        .addGap(18, 18, 18)
        .addComponent(jLabel2)
        .addGap(9, 9, 9))
        .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 535,
Short.MAX_VALUE))
        .addContainerGap(29, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
    .addGap(24, 24, 24)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel1)
    .addComponent(txtnama, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel10)
    .addComponent(txtalamat, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel11)
    .addComponent(txtelepon, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel12)
    .addComponent(txtemail, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel13)
    .addComponent(txtpengembang, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel14)
    .addComponent(cmbtipe, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(27, 27, 27)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(btnsimpan)
    .addComponent(btncancel)
    .addComponent(btnhapus)
    .addComponent(btnreset)

```

```

        .addComponent(txtcari, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel2))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 233,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(23, 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()
                .addContainerGap()
                .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addContainerGap())
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addContainerGap())
    );

```

```

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

```

```

private void tbldataMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    role = "Ubah";
    int row = tbldata.getRowCount();
    if (row > 0) {
        int sel = tbldata.getSelectedRow();
        if (sel != -1) {
            pilihData(tbldata.getValueAt(sel, 0).toString());
            btnsimpan.setText("Ubah data");
        }
    }
}

```

```

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

```

```

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

```

```

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

```



```

        String key = txtcari.getText();
        showData(key);
    }

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

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

    /**
     * @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(dataperum.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

            java.util.logging.Logger.getLogger(dataperum.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

            java.util.logging.Logger.getLogger(dataperum.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

```

```

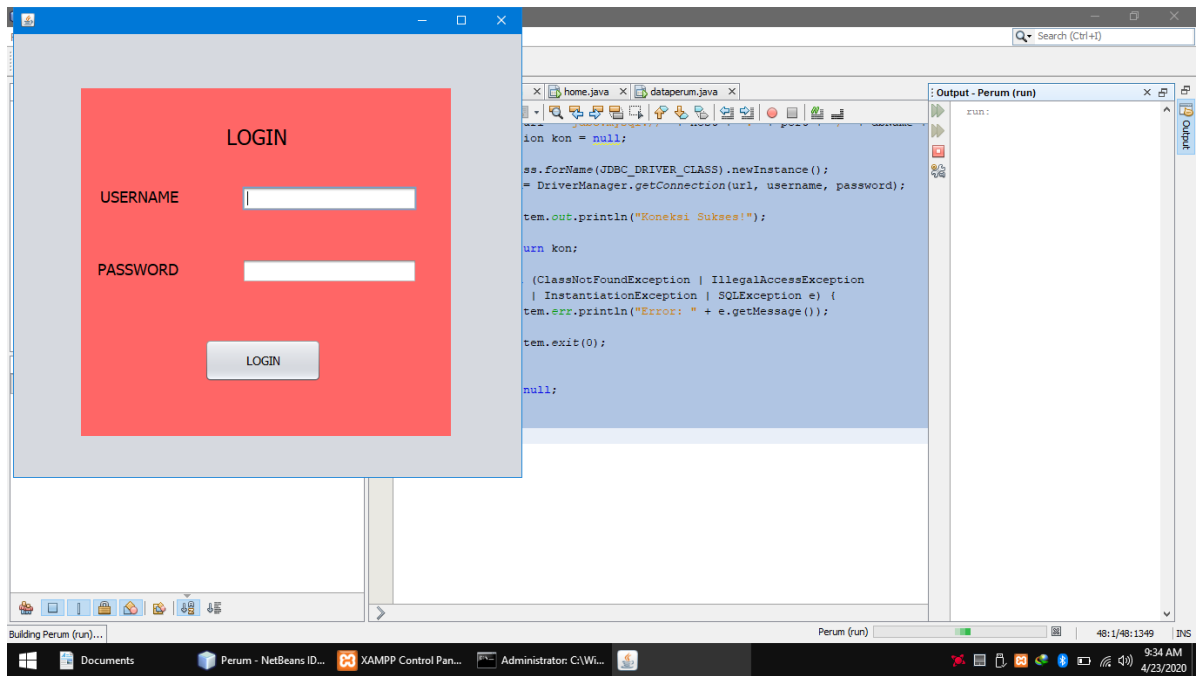
    }

    // Variables declaration - do not modify
    private javax.swing.JButton btnedit;
    private javax.swing.JButton btnhapus;
    private javax.swing.JButton btnreset;
    private javax.swing.JButton btnsimpan;
    private javax.swing.JComboBox<String> cmbtipe;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel10;
    private javax.swing.JLabel jLabel11;
    private javax.swing.JLabel jLabel12;
    private javax.swing.JLabel jLabel13;
    private javax.swing.JLabel jLabel14;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTable tbldata;
    private javax.swing.JTextField txtalamat;
    private javax.swing.JTextField txtcari;
    private javax.swing.JTextField txtemail;
    private javax.swing.JTextField txtnama;
    private javax.swing.JTextField txtpengembang;
    private javax.swing.JTextField txttelepon;
    // End of variables declaration
}

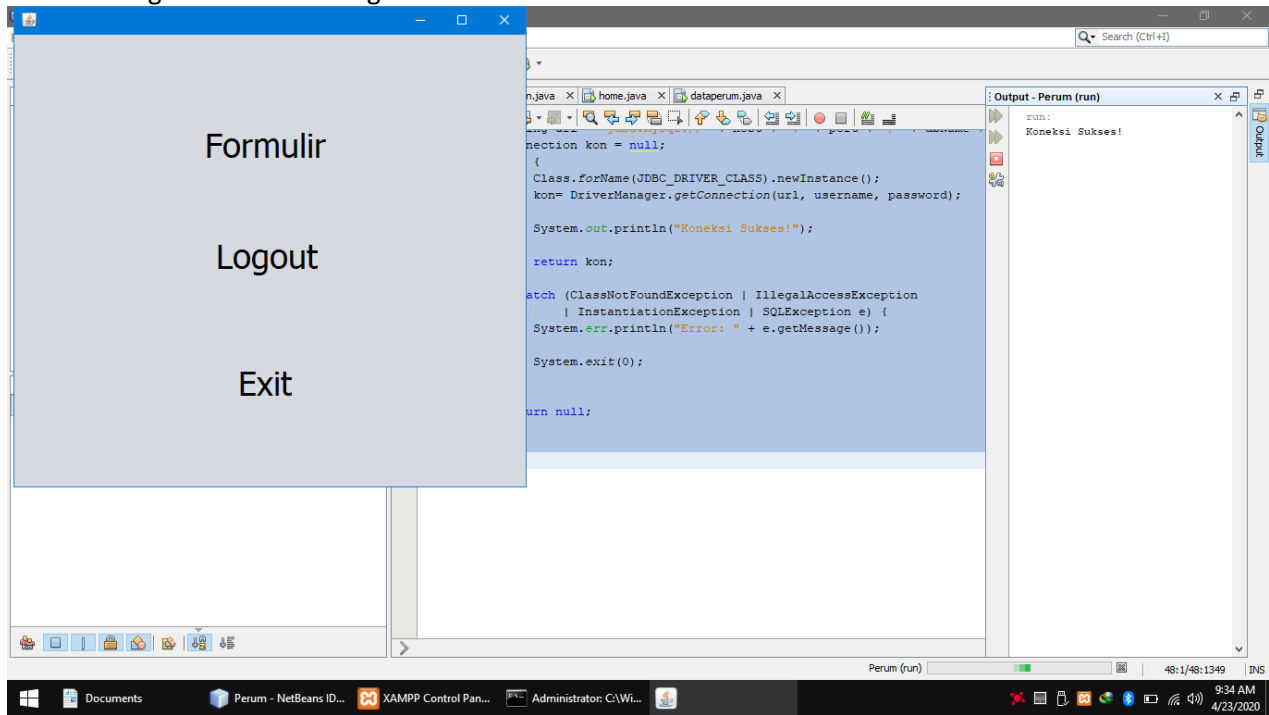
```

**Finish, coba di run dan liat hasilnya**

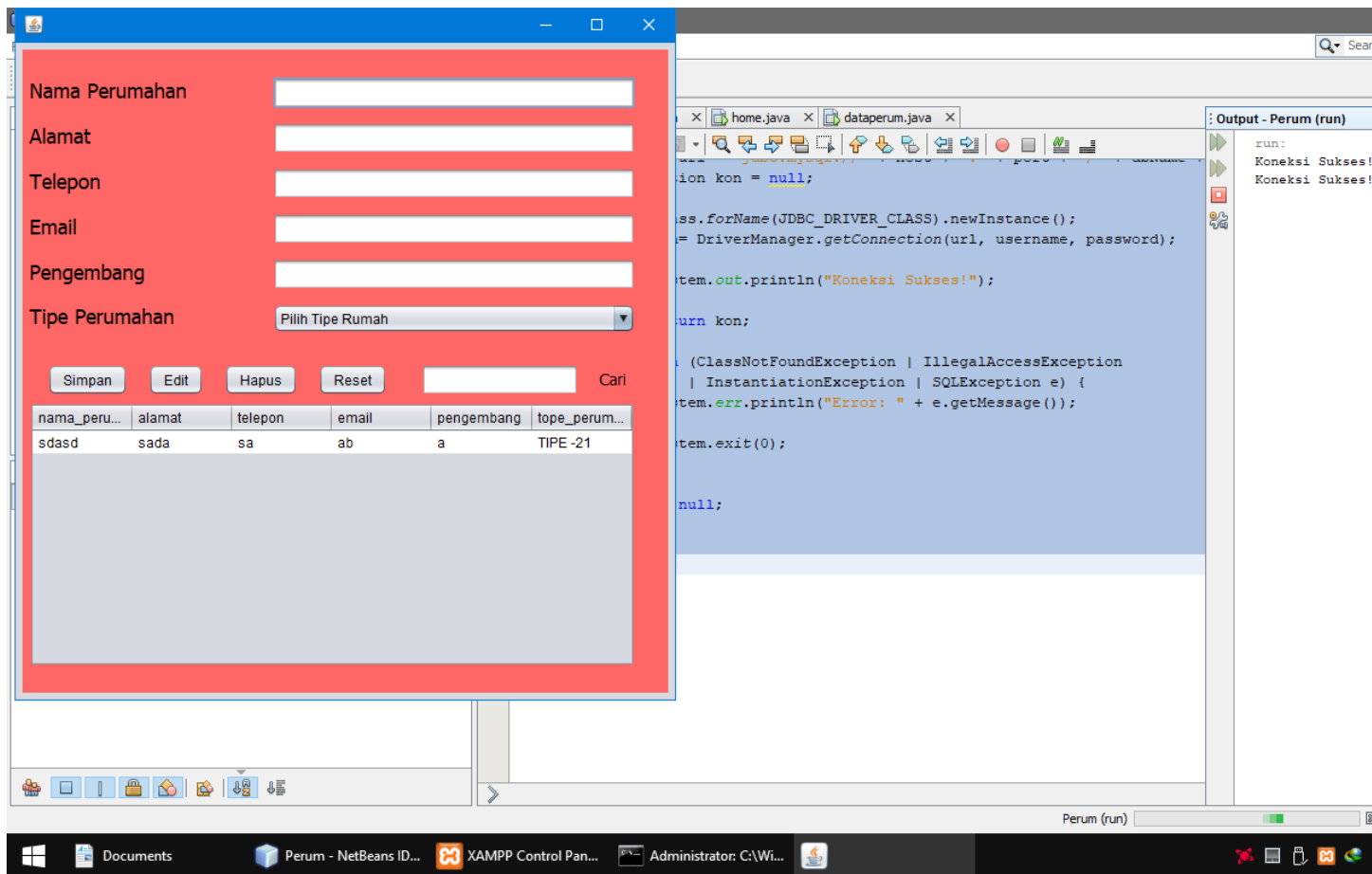
Kalau bener entar seperti ini;



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Ini contoh gambar btn Tambah data



Berhasil