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Manual Book

Aplikasi Perumahan

Untuk membangun aplikasi perumahan maka siapkan dulu aplikasi yang dibutuhkan seperti XAMPP dan Netbeans 8.0.4 beserta JDK nya.

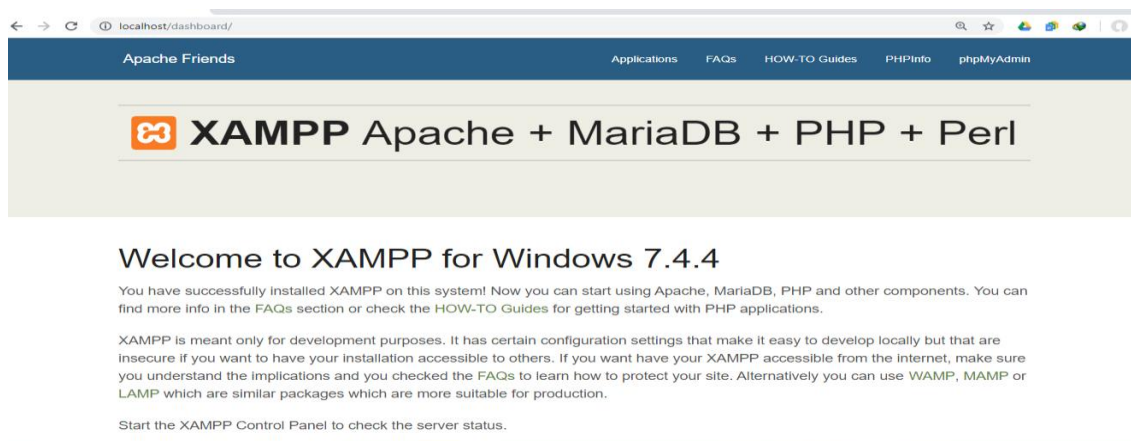
Selanjutnya kita akan membuat database.

Berikut ini step by step membuat database menggunakan XAMPP (MySQL)

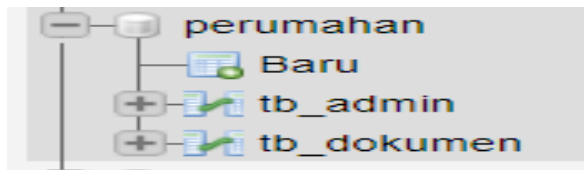
1. Buka XAMPP lalu start Apache dan MySQL



2. Buka Browser (Saya menggunakan Google Chrome). Lalu ketikan localhost. Klik tombol PhpMyAdmin (Sebelah kiri atas).



3. Buatlah database (perumahan) dan table (tb_admin & tb_dokumen)



Isi dari table tb_admin

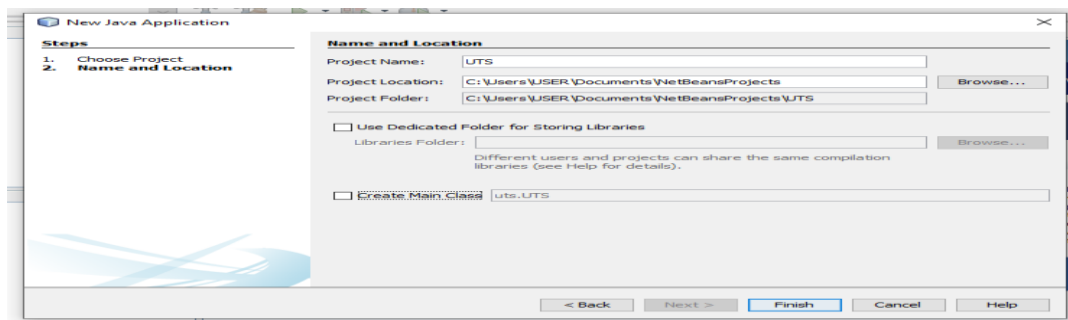
#	Nama	Jenis	Penyortiran	Atribut	Tak Ternilai	Bawaan	Komentar	Ekstra	Tindakan
1	id_admin	int(11)			Tidak	Tidak ada		AUTO_INCREMENT	Ubah Hapus Lainnya
2	username	varchar(25)	latin1_swedish_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
3	password	varchar(32)	latin1_swedish_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
4	last_login	timestamp			Tidak	current_timestamp()			Ubah Hapus Lainnya

Isi dari table tb_dokumen

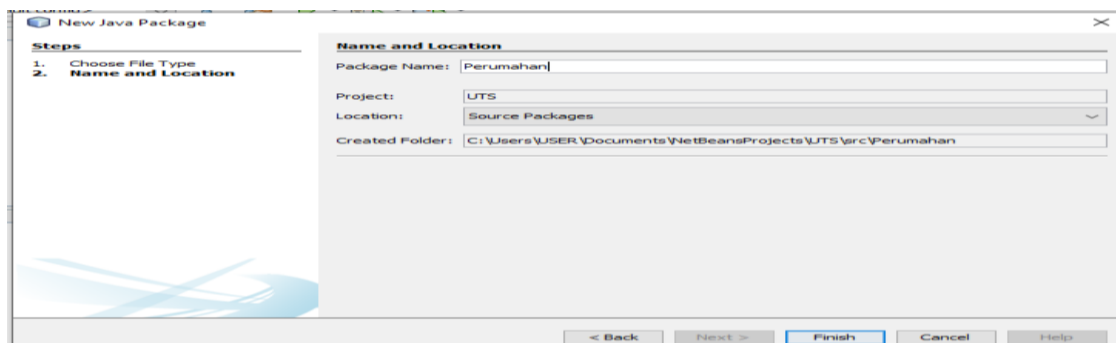
#	Nama	Jenis	Penyortiran	Atribut	Tak Ternilai	Bawaan	Komentar	Ekstra	Tindakan
1	id	int(10)			Tidak	Tidak ada		AUTO_INCREMENT	Ubah Hapus Lainnya
2	nama	varchar(25)	utf8mb4_general_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
3	alamat	varchar(50)	utf8mb4_general_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
4	no_hp	varchar(14)	utf8mb4_general_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
5	email	varchar(45)	utf8mb4_general_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
6	pengembang	varchar(100)	utf8mb4_general_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
7	tipe	varchar(20)	utf8mb4_general_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
8	file	varchar(30)	utf8mb4_general_ci		Tidak	Tidak ada			Ubah Hapus Lainnya

Setelah kita selesai membuat database, langkah selanjutnya adalah membuat aplikasi pada Netbeans. Berikut langkah-langkahnya :

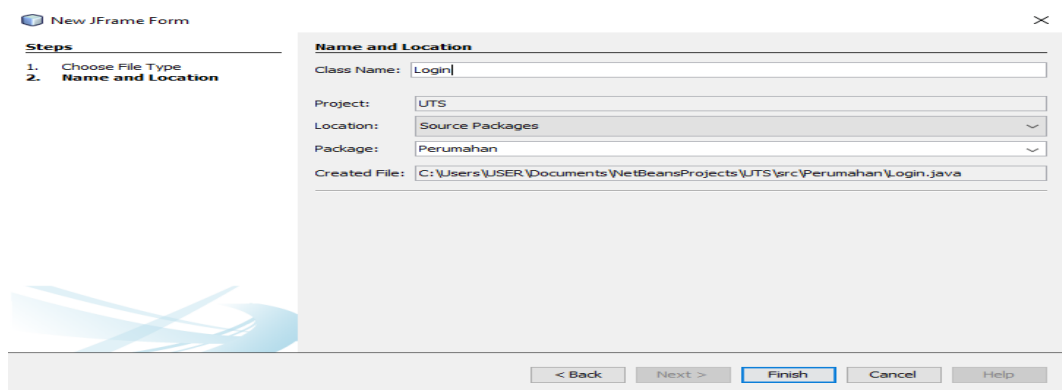
1. Buatlah new project dengan nama UTS. Hilangkan centang pada opsi Create Main Class. Lalu klik Finish



2. Buat new package dengan nama (Perumahan). Lalu klik Finish



3. Klik package Perumahan lalu klik new JFrame From beri nama Login lalu klik Finish.



Source Code dari Login

```
package Perumahan;
```

```
import java.awt.Frame;
```

```
import java.security.MessageDigest;
```

```
import java.security.NoSuchAlgorithmException;
```

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

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

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

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

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

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

```
    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() {

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

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jLabel1.setFont(new java.awt.Font("Tempus Sans ITC", 1, 24)); // NOI18N
    jLabel1.setForeground(new java.awt.Color(102, 102, 255));
    jLabel1.setText("LOGIN");

    jLabel2.setFont(new java.awt.Font("Tempus Sans ITC", 1, 24)); // NOI18N
    jLabel2.setForeground(new java.awt.Color(102, 102, 255));
    jLabel2.setText("Username");

    jLabel3.setFont(new java.awt.Font("Tempus Sans ITC", 1, 24)); // NOI18N
    jLabel3.setForeground(new java.awt.Color(102, 102, 255));
    jLabel3.setText("Password");

    btnlogin.setBackground(new java.awt.Color(153, 255, 255));
    btnlogin.setFont(new java.awt.Font("Tempus Sans ITC", 1, 14)); // NOI18N
    btnlogin.setForeground(new java.awt.Color(51, 51, 51));
    btnlogin.setText("login");
    btnlogin.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {

```

```

        btnloginActionPerformed(evt);
    }
});

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(56, 56, 56)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                .addComponent(jLabel3)
                .addComponent(jLabel2))
            .addGap(18, 18, 18)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                .addComponent(txtusername)
                .addComponent(txtpassword, javax.swing.GroupLayout.DEFAULT_SIZE, 157, Short.MAX_VALUE))
            .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
            .addGap(145, 145, 145)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
                    .addComponent(jLabel1)
                    .addGap(175, 175, 175))
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
                    .addComponent(btnlogin)
                    .addGap(27, 27, 27))))
    );
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(175, 175, 175)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel1)
                .addComponent(btnlogin)
                .addComponent(txtpassword)
                .addComponent(txtusername)
                .addComponent(jLabel2)
                .addComponent(jLabel3))
            .addGap(18, 18, 18)
            .addGap(56, 56, 56)
        )
    );

```

```

        .addGap(41, 41, 41)

        .addComponent(jLabel1)

        .addGap(18, 18, 18)

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

            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 25,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addComponent(txtusername, javax.swing.GroupLayout.PREFERRED_SIZE, 25,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(18, 18, 18)

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

            .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 25,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGroup(layout.createSequentialGroup())

                .addComponent(txtpassword)

                .addGap(1, 1, 1)))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 63, Short.MAX_VALUE)

        .addComponent(btnlogin)

        .addGap(28, 28, 28))

    );

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

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

    doLogin();

}

/**
 * @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>
//</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.JPasswordField txtpassword;

private javax.swing.JTextField txtusername;

// End of variables declaration
```

```
public static String md5(String data){

    String hashed = "";

    try {

        MessageDigest md5 = MessageDigest.getInstance("MD5");

        md5.update(data.getBytes());

        byte[] byteData = md5.digest();

        StringBuilder sb = new StringBuilder();

        for (int i = 0; i < byteData.length; i++) {

            sb.append(Integer.toString((byteData[i] & 0xff) +

                0x100, 16).substring(1));

        }

        hashed = sb.toString();

    } catch (NoSuchAlgorithmException e) {

    }

    return hashed;

}
```

```
public void doLogin(){

    String user = txtusername.getText();

    char[] pass = txtpassword.getPassword();

    if (user.isEmpty()) {
```



```

JOptionPane.showMessageDialog(this, "Username harus diisi");

txtusername.requestFocus();

} else if (pass.length == 0) {

    JOptionPane.showMessageDialog(this, "password harus diisi");

    txtpassword.requestFocus();

}

else {

    String password = new String(pass);

    String md5_pass = md5(password);

    try{

        Connection c =Koneksi.sambungDB();

        Statement st =c.createStatement();

        String q ="SELECT * FROM tb_admin "

            + "WHERE username =" +user+ " "

            + "AND password =" +md5_pass+ " ";

        ResultSet rs = st.executeQuery(q);


        int n = 0;

        while (rs.next ()){

            String u = rs.getString("username");

            String p = rs.getString("password");

            n++;

        }

        if (n == 0) {

            JOptionPane.showMessageDialog(this , "Username atau Password salah!");

            txtusername.requestFocus();

            btnlogin.setEnabled(true);

```

```

    } else {

        Data d = new Data();

        this.setVisible(false);

        d.setExtendedState(Frame.MAXIMIZED_BOTH);

        d.setVisible(true);

    }

} catch (Exception e){

    System.out.println(e.getMessage());

}

}

}

}

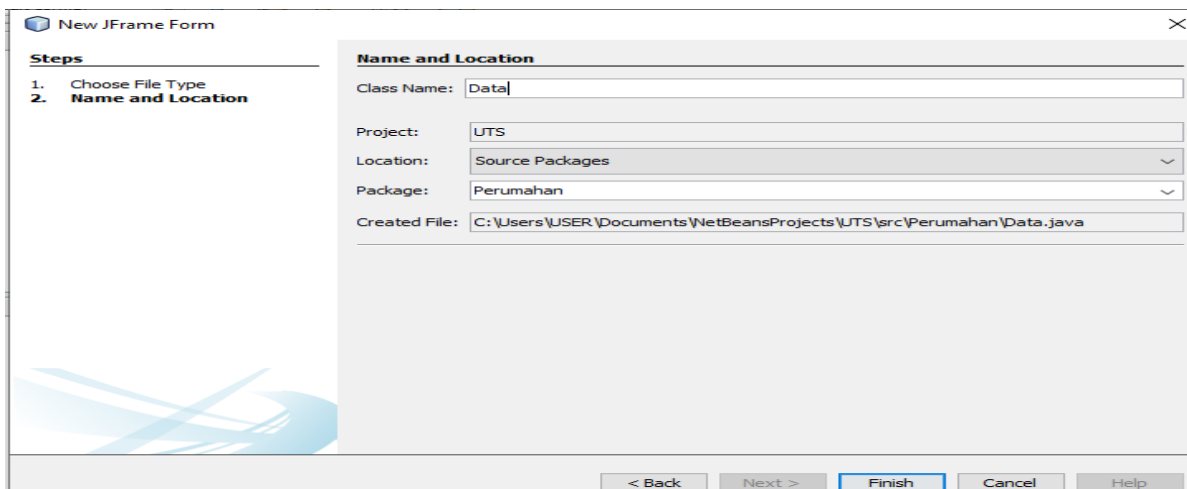
```

Desain Login



A login form with a light gray background. At the top center, the word "LOGIN" is written in blue. Below it, the labels "Username" and "Password" are written in blue. To the right of each label is a white text input field. At the bottom right, there is a button with a blue border and the text "login" in blue.

1. Klik package lalu klik new JFrame From beri nama Data.



A screenshot of the "New JFrame Form" dialog box in NetBeans. The dialog has a title bar with a close button. On the left, there are "Steps" listed: "1. Choose File Type" and "2. Name and Location". The "Name and Location" section is active. It contains the following fields: "Class Name:" with the text "Data", "Project:" with the text "UTS", "Location:" with a dropdown menu showing "Source Packages", "Package:" with a dropdown menu showing "Perumahan", and "Created File:" with the text "C:\Users\USER\Documents\NetBeansProjects\UTS\src\Perumahan\Data.java". At the bottom, there are buttons for "< Back", "Next >", "Finish" (highlighted with a blue border), "Cancel", and "Help".

Source Code dari Data

```

package Perumahan;

import java.awt.HeadlessException;
import java.sql.Connection;
import java.sql.SQLException;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

public class Data extends javax.swing.JFrame {

    String idData;

    private void tampilkan_data(String key) {

        DefaultTableModel model = new DefaultTableModel();

        model.addColumn("No.");
        model.addColumn("Id.");
        model.addColumn("Nama Perumahan");
        model.addColumn("Alamat");
        model.addColumn("NO. Telephone");
        model.addColumn("Email");
        model.addColumn("Pengembang");
        model.addColumn("Tipe Perumahan");
        model.addColumn("File Brosur");

        try {

            int no = 1;

            String where = key.isEmpty() ? "" : "WHERE nama LIKE '%" + key + "%' ";

            String sql = "SELECT * FROM tb_dokumen "+where;

            java.sql.Connection conn = (Connection) Koneksi.sambungDB();

            java.sql.Statement stm = conn.createStatement();

            java.sql.ResultSet res = stm.executeQuery(sql);

            while (res.next()) {

                model.addRow(new Object[]{no++, res.getString(1),

                    res.getString(2), res.getString(3), res.getString(4), res.getString(5), res.getString(6), res.getString(7),
                    res.getString(8)});
            }
        } catch (SQLException ex) {
            JOptionPane.showMessageDialog(this, ex.getMessage());
        }
    }
}

```

```

    }

    tbldata.setModel(model);
} catch (Exception e) {
    System.out.println("Error : " + e.getMessage());
}
}

/**
 * Creates new form data
 */
public Data() {
    initComponents();
    tampilkan_data("");
}

/**
 * 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() {
    java.awt.GridBagConstraints gridBagConstraints;

    lblNamaPerumahan = new javax.swing.JLabel();
    lblAlamat = new javax.swing.JLabel();
    lblNoTelephone = new javax.swing.JLabel();
    lblEmail = new javax.swing.JLabel();
    lblPengembang = new javax.swing.JLabel();
    lblTipePerumahan = new javax.swing.JLabel();
    lblFileBrosur = new javax.swing.JLabel();

```

```

txtnama = new javax.swing.JTextField();
txtalamat = new javax.swing.JTextField();
txtnotelp = new javax.swing.JTextField();
txtemail = new javax.swing.JTextField();
txtpengembang = new javax.swing.JTextField();
txtbrowsur = new javax.swing.JTextField();
cmbtipe = new javax.swing.JComboBox();
btntambah = new javax.swing.JButton();
btubah = new javax.swing.JButton();
btnhapus = new javax.swing.JButton();
txtcari = new javax.swing.JTextField();
jScrollPane1 = new javax.swing.JScrollPane();
tbldata = new javax.swing.JTable();
btncari = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
getContentPane().setLayout(new java.awt.GridBagLayout());

lblNamaPerumahan.setFont(new java.awt.Font("Tempus Sans ITC", 1, 18)); // NOI18N
lblNamaPerumahan.setForeground(new java.awt.Color(102, 102, 255));
lblNamaPerumahan.setText("Nama Perumahan ");
gridBagConstraints = new java.awt.GridBagConstraints();
gridBagConstraints.gridx = 0;
gridBagConstraints.gridy = 0;
gridBagConstraints.gridwidth = 5;
gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
gridBagConstraints.insets = new java.awt.Insets(27, 41, 0, 0);
getContentPane().add(lblNamaPerumahan, gridBagConstraints);

lblAlamat.setFont(new java.awt.Font("Tempus Sans ITC", 1, 18)); // NOI18N
lblAlamat.setForeground(new java.awt.Color(102, 102, 255));

```

```
lblAlamat.setText("Alamat ");

gridBagConstraints = new java.awt.GridBagConstraints();

gridBagConstraints.gridx = 0;

gridBagConstraints.gridy = 1;

gridBagConstraints.gridwidth = 5;

gridBagConstraints.ipadx = 76;

gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;

gridBagConstraints.insets = new java.awt.Insets(18, 41, 0, 0);

getContentPane().add(lblAlamat, gridBagConstraints);
```

```
lblNoTelephone.setFont(new java.awt.Font("Tempus Sans ITC", 1, 18)); // NOI18N

lblNoTelephone.setForeground(new java.awt.Color(102, 102, 255));

lblNoTelephone.setText("No. Telephone");

gridBagConstraints = new java.awt.GridBagConstraints();

gridBagConstraints.gridx = 0;

gridBagConstraints.gridy = 3;

gridBagConstraints.gridwidth = 5;

gridBagConstraints.ipadx = 53;

gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;

gridBagConstraints.insets = new java.awt.Insets(18, 41, 0, 0);

getContentPane().add(lblNoTelephone, gridBagConstraints);
```

```
lblEmail.setFont(new java.awt.Font("Tempus Sans ITC", 1, 18)); // NOI18N

lblEmail.setForeground(new java.awt.Color(102, 102, 255));

lblEmail.setText("Email");

gridBagConstraints = new java.awt.GridBagConstraints();

gridBagConstraints.gridx = 0;

gridBagConstraints.gridy = 5;

gridBagConstraints.ipadx = 50;

gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;

gridBagConstraints.insets = new java.awt.Insets(20, 41, 0, 0);
```

```
getContentPane().add(lblEmail, gridBagConstraints);
```

```
lblPengembang.setFont(new java.awt.Font("Tempus Sans ITC", 1, 18)); // NOI18N
```

```
lblPengembang.setForeground(new java.awt.Color(102, 102, 255));
```

```
lblPengembang.setText("Pengembang");
```

```
gridBagConstraints = new java.awt.GridBagConstraints();
```

```
gridBagConstraints.gridx = 0;
```

```
gridBagConstraints.gridy = 7;
```

```
gridBagConstraints.gridwidth = 5;
```

```
gridBagConstraints.ipadx = 36;
```

```
gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
```

```
gridBagConstraints.insets = new java.awt.Insets(20, 41, 0, 0);
```

```
getContentPane().add(lblPengembang, gridBagConstraints);
```

```
lblTipePerumahan.setFont(new java.awt.Font("Tempus Sans ITC", 1, 18)); // NOI18N
```

```
lblTipePerumahan.setForeground(new java.awt.Color(102, 102, 255));
```

```
lblTipePerumahan.setText("Tipe Perumahan");
```

```
gridBagConstraints = new java.awt.GridBagConstraints();
```

```
gridBagConstraints.gridx = 0;
```

```
gridBagConstraints.gridy = 9;
```

```
gridBagConstraints.gridwidth = 3;
```

```
gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
```

```
gridBagConstraints.insets = new java.awt.Insets(23, 41, 0, 0);
```

```
getContentPane().add(lblTipePerumahan, gridBagConstraints);
```

```
lblFileBrosur.setFont(new java.awt.Font("Tempus Sans ITC", 1, 18)); // NOI18N
```

```
lblFileBrosur.setForeground(new java.awt.Color(102, 102, 255));
```

```
lblFileBrosur.setText("File Brosur ");
```

```
gridBagConstraints = new java.awt.GridBagConstraints();
```

```
gridBagConstraints.gridx = 0;
```

```
gridBagConstraints.gridy = 11;
```

```
gridBagConstraints.gridwidth = 5;

gridBagConstraints.ipadx = 37;

gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;

gridBagConstraints.insets = new java.awt.Insets(20, 41, 0, 0);

getContentPane().add(lblFileBrosur, gridBagConstraints);

gridBagConstraints = new java.awt.GridBagConstraints();

gridBagConstraints.gridx = 8;

gridBagConstraints.gridy = 0;

gridBagConstraints.gridwidth = 2;

gridBagConstraints.ipadx = 176;

gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;

gridBagConstraints.insets = new java.awt.Insets(23, 18, 0, 0);

getContentPane().add(txtnama, gridBagConstraints);

gridBagConstraints = new java.awt.GridBagConstraints();

gridBagConstraints.gridx = 8;

gridBagConstraints.gridy = 1;

gridBagConstraints.gridwidth = 2;

gridBagConstraints.gridheight = 2;

gridBagConstraints.ipadx = 176;

gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;

gridBagConstraints.insets = new java.awt.Insets(18, 18, 0, 0);

getContentPane().add(txtalamat, gridBagConstraints);

gridBagConstraints = new java.awt.GridBagConstraints();

gridBagConstraints.gridx = 8;

gridBagConstraints.gridy = 3;

gridBagConstraints.gridwidth = 2;

gridBagConstraints.gridheight = 2;

gridBagConstraints.ipadx = 176;

gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;

gridBagConstraints.insets = new java.awt.Insets(18, 18, 0, 0);

getContentPane().add(txtnotelp, gridBagConstraints);
```



```

gridBagConstraints = new java.awt.GridBagConstraints();
gridBagConstraints.gridx = 8;
gridBagConstraints.gridy = 5;
gridBagConstraints.gridwidth = 2;
gridBagConstraints.gridheight = 2;
gridBagConstraints.ipadx = 176;
gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
gridBagConstraints.insets = new java.awt.Insets(18, 18, 0, 0);
getContentPane().add(txtemail, gridBagConstraints);
gridBagConstraints = new java.awt.GridBagConstraints();
gridBagConstraints.gridx = 8;
gridBagConstraints.gridy = 7;
gridBagConstraints.gridwidth = 2;
gridBagConstraints.gridheight = 2;
gridBagConstraints.ipadx = 176;
gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
gridBagConstraints.insets = new java.awt.Insets(18, 18, 0, 0);
getContentPane().add(txtpengembang, gridBagConstraints);
gridBagConstraints = new java.awt.GridBagConstraints();
gridBagConstraints.gridx = 8;
gridBagConstraints.gridy = 11;
gridBagConstraints.gridwidth = 2;
gridBagConstraints.gridheight = 2;
gridBagConstraints.ipadx = 176;
gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
gridBagConstraints.insets = new java.awt.Insets(18, 18, 0, 0);
getContentPane().add(txtbrowsur, gridBagConstraints);

cmbtipe.setBackground(new java.awt.Color(153, 255, 255));
cmbtipe.setFont(new java.awt.Font("Tempus Sans ITC", 1, 18)); // NOI18N
cmbtipe.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "Tipe 21", "Tipe 36", "Tipe 45",
"Tipe 54", "Tipe 60", "Tipe 70", "Tipe 120" }));

```

```

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

gridBagConstraints = new java.awt.GridBagConstraints();
gridBagConstraints.gridx = 8;
gridBagConstraints.gridy = 9;
gridBagConstraints.gridwidth = 2;
gridBagConstraints.gridheight = 2;
gridBagConstraints.ipadx = 4;
gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
gridBagConstraints.insets = new java.awt.Insets(18, 18, 0, 0);
getContentPane().add(cmbtipe, gridBagConstraints);


btntambah.setBackground(new java.awt.Color(153, 255, 255));
btntambah.setFont(new java.awt.Font("Tempus Sans ITC", 1, 18)); // NOI18N
btntambah.setText("Tambah");
btntambah.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btntambahActionPerformed(evt);
    }
});

gridBagConstraints = new java.awt.GridBagConstraints();
gridBagConstraints.gridx = 0;
gridBagConstraints.gridy = 13;
gridBagConstraints.gridwidth = 2;
gridBagConstraints.gridheight = 3;
gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;
gridBagConstraints.insets = new java.awt.Insets(28, 41, 0, 0);
getContentPane().add(btntambah, gridBagConstraints);

```

```

btnubah.setBackground(new java.awt.Color(153, 255, 255));

btnubah.setFont(new java.awt.Font("Tempus Sans ITC", 1, 18)); // NOI18N

btnubah.setText("Ubah");

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

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

        btnubahActionPerformed(evt);

    }

});

gridBagConstraints = new java.awt.GridBagConstraints();

gridBagConstraints.gridx = 2;

gridBagConstraints.gridy = 13;

gridBagConstraints.gridwidth = 6;

gridBagConstraints.gridheight = 3;

gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;

gridBagConstraints.insets = new java.awt.Insets(28, 18, 0, 0);

getContentPane().add(btnubah, gridBagConstraints);


btnhapus.setBackground(new java.awt.Color(153, 255, 255));

btnhapus.setFont(new java.awt.Font("Tempus Sans ITC", 1, 18)); // NOI18N

btnhapus.setText("Hapus");

getContentPane().add(btnhapus, new java.awt.GridBagConstraints());

gridBagConstraints = new java.awt.GridBagConstraints();

gridBagConstraints.gridx = 9;

gridBagConstraints.gridy = 13;

gridBagConstraints.gridwidth = 3;

gridBagConstraints.gridheight = 2;

gridBagConstraints.ipadx = 144;

gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;

gridBagConstraints.insets = new java.awt.Insets(31, 12, 0, 0);

getContentPane().add(txtcari, gridBagConstraints);

```

```
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 [] {  
        "Title 1", "Title 2", "Title 3", "Title 4"  
    }  
));  
jScrollPane1.setViewportView(tbldata);
```

```
gridBagConstraints = new java.awt.GridBagConstraints();  
gridBagConstraints.gridx = 0;  
gridBagConstraints.gridy = 16;  
gridBagConstraints.gridwidth = 13;  
gridBagConstraints.fill = java.awt.GridBagConstraints.BOTH;  
gridBagConstraints.ipadx = 457;  
gridBagConstraints.ipady = 221;  
gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;  
gridBagConstraints.weightx = 1.0;  
gridBagConstraints.weighty = 1.0;  
gridBagConstraints.insets = new java.awt.Insets(24, 41, 12, 121);  
getContentPane().add(jScrollPane1, gridBagConstraints);
```

```
btncari.setBackground(new java.awt.Color(153, 255, 255));  
btncari.setFont(new java.awt.Font("Tempus Sans ITC", 1, 18)); // NOI18N  
btncari.setText("Cari");  
gridBagConstraints = new java.awt.GridBagConstraints();
```

```

gridBagConstraints.gridx = 8;

gridBagConstraints.gridy = 13;

gridBagConstraints.gridheight = 3;

gridBagConstraints.anchor = java.awt.GridBagConstraints.NORTHWEST;

gridBagConstraints.insets = new java.awt.Insets(28, 12, 0, 0);

getContentPane().add(btncari, gridBagConstraints);


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


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

    // TODO add your handling code here:

}


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

    try {

        String sql = "INSERT INTO tb_dokumen VALUES (NULL, '" + txtnama.getText() + "','" + txtalamat.getText()
+ "','" + txtnotelp.getText() + "','" + txtemail.getText() + "','" + txtpengembang.getText() + "','" +
cmbtipe.getSelectedItem() + "','" + txtbrowsur.getText() + "')";

        java.sql.Connection conn = (Connection) Koneksi.sambungDB();

        java.sql.PreparedStatement pstmt = conn.prepareStatement(sql);

        pstmt.execute();

        JOptionPane.showMessageDialog(null, "Proses simpan Data berhasil");

        tampilkan_data("");

    } catch (HeadlessException | SQLException e) {

        JOptionPane.showMessageDialog(this, e.getMessage());

    }

}


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

    // TODO add your handling code here:

```

```

}

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

    /* Create and display the form */

```

```

        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Data().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton btncari;
    private javax.swing.JButton btnhapus;
    private javax.swing.JButton btntambah;
    private javax.swing.JButton btnubah;
    private javax.swing.JComboBox cmbtipe;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JLabel lblAlamat;
    private javax.swing.JLabel lblEmail;
    private javax.swing.JLabel lblFileBrosur;
    private javax.swing.JLabel lblNamaPerumahan;
    private javax.swing.JLabel lblNoTelephone;
    private javax.swing.JLabel lblPengembang;
    private javax.swing.JLabel lblTipePerumahan;
    private javax.swing.JTable tbldata;
    private javax.swing.JTextField txtalamat;
    private javax.swing.JTextField txtbrowsur;
    private javax.swing.JTextField txtcari;
    private javax.swing.JTextField txtemail;
    private javax.swing.JTextField txtnama;
    private javax.swing.JTextField txtnotelp;
    private javax.swing.JTextField txtpengembang;

    // End of variables declaration
}

```

Desain Tampilan dari Data

Nama Perumahan

Alamat

No. Telephone

Email

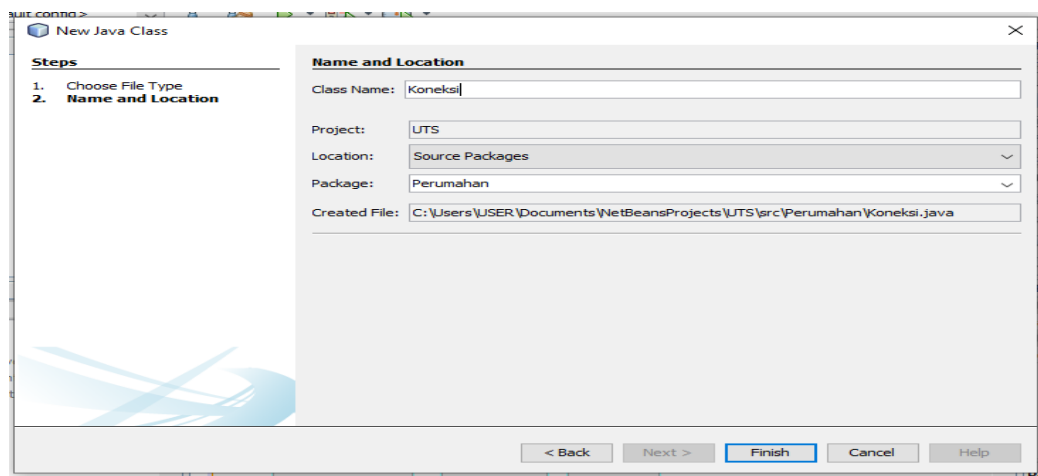
Pengembang

Tipe Perumahan

File Browser

Title 1	Title 2	Title 3	Title 4

4. Klik package Perumahan lalu klik new Java Class beri nama Koneksi. Klik Finish



Source Code dari Koneksi

```
package Perumahan;

import com.mysql.cj.jdbc.MysqlDataSource;

import java.sql.Connection;

public class Koneksi {

    public static Connection sambungDB(){

        try {

            MysqlDataSource dataSource = new MysqlDataSource();

            dataSource.setUser("root");

            dataSource.setPassword("");

            dataSource.setServerName("localhost");

            dataSource.setDatabaseName("perumahan");

            dataSource.setPortNumber(3306);

            dataSource.setAllowMultiQueries(true);
```



```

        dataSource.setServerTimezone("Asia/Jakarta");

        Connection c = dataSource.getConnection();

        return c;

    } catch (Exception e) {

        System.err.println(e.getMessage());

    }

    return null;

}

}

```

Setelah semuanya selesai. Aplikasi Perumahan siap untuk dieksekusi dengan cara klik tombol run project. Maka tampilannya akan seperti dibawah ini:

Nama Perumahan
Griya Santika
Hapus

Alamat
Jl. Raya Jatibarang, Brebes

No. Telephone
082322937812

Email
evisusilowati765@gmail.com

Pengembang
BIN Property Group

Tipe Perumahan
Tipe 54

File Brosur
Brosur

Tambah
Ubah
Cari

No.	Id.	Nama Perumahan	Alamat	NO. Telephone	Email	Pengembang	Tipe Perumahan	File Brosur
1	12	Griya Santika	Jl. Raya Jatibarang, ...	082322937812	evisusilowati765@g...	BIN Property Group	Tipe 54	Brosur