

**UTS**  
**Pemrograman Komputer 2**  
**MANUAL BOOK**



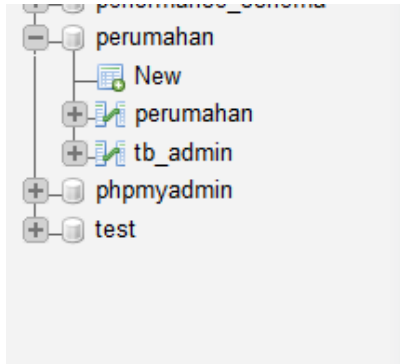
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**POLITEKNIK HARAPAN BERSAMA**  
**KOTA TEGAL**

## 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 :



- Bagian tb\_admin kalian bikin seperti di bawah ini :

Nama	Jenis	Panjang/Nilai	Bawaan	Penyortiran	Atribut	Tak Ternilai	Indeks	A.I	Komentar
id	INT	10	Tidak ada				PRIMARY	<input checked="" type="checkbox"/>	
username	VARCHAR	50	Tidak ada				---	<input type="checkbox"/>	
password	VARCHAR	50	Tidak ada				---	<input type="checkbox"/>	

- Bagian perumahan bikin seperti di bawah ini :

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id	int(10)			No	None		AUTO_INCREMENT	<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/> 2	nama	varchar(25)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/> 3	alamat	varchar(50)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/> 4	no_hp	varchar(14)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/> 5	email	varchar(25)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/> 6	pengembang	varchar(100)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/> 7	tipe	varchar(20)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>
<input type="checkbox"/> 8	file	varchar(10)	utf8mb4_general_ci		No	None			<a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a>

## 2. Menyiapkan Project

- Buka aplikasi Netbeans anda, kemudian buat project baru dengan nama perumahan

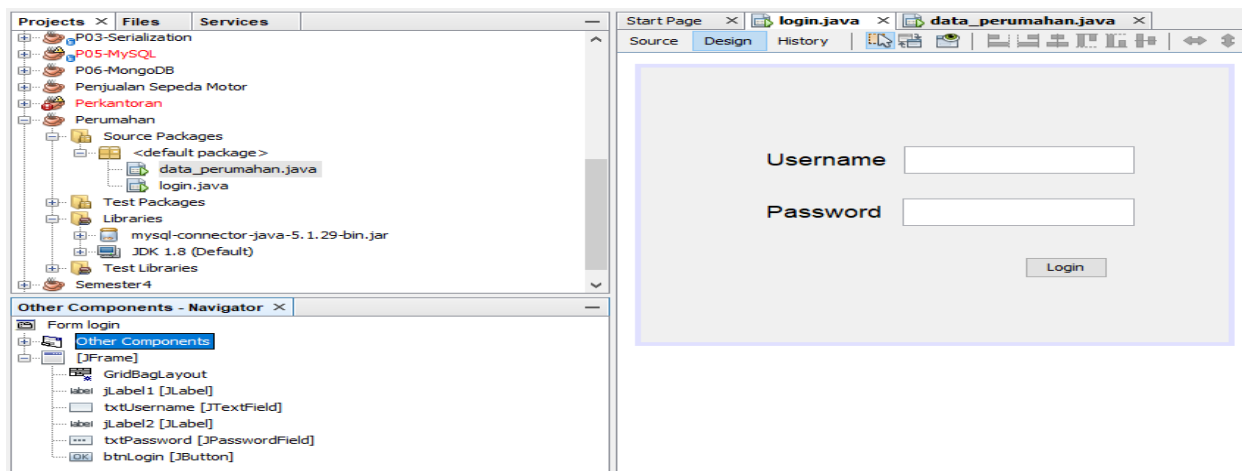
-

## 3. Membuat JFrame

- Pada bagian source packages Buat JFrame “login” dan ”data\_perumahan”

## 4. Membuat JFrame

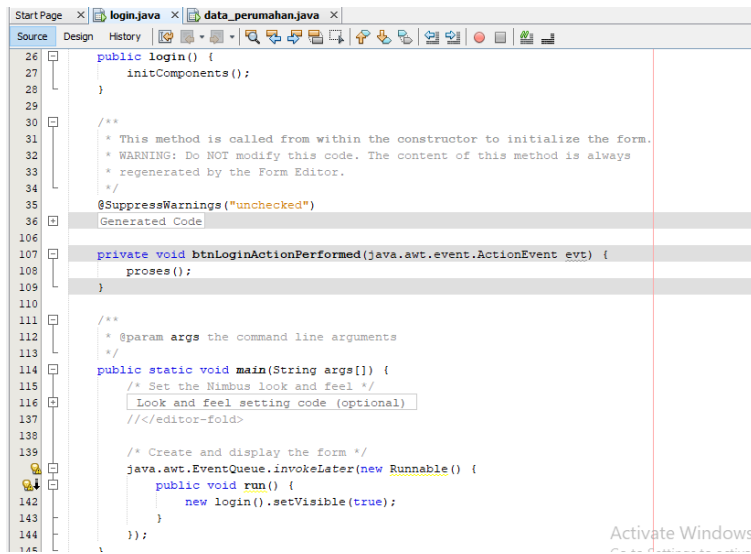
- Buat jframe login seperti di bawah ini :



- Lalu isikan seperti di bawah ini :

```
1) Kita import seperti ini
package Apps;
import java.awt.Frame;
import java.security.MessageDigest;
import java.security.NoSuchAlgorithmException;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
import javax.swing.JOptionPane;
```

Setelah selesai import, dibawah import ketik kodingan seperti gambar dibawah



```
26 public login() {
27     initComponents();
28 }
29
30 /**
31  * This method is called from within the constructor to initialize the form.
32  * WARNING: Do NOT modify this code. The content of this method is always
33  * regenerated by the Form Editor.
34  */
35 @SuppressWarnings("unchecked")
36 // Generated Code
37
106 private void btnLoginActionPerformed(java.awt.event.ActionEvent evt) {
107     proses();
108 }
109
110
111 /**
112  * @param args the command line arguments
113  */
114 public static void main(String args[]) {
115     /* Set the Nimbus look and feel */
116     // Look and feel setting code (optional)
117     //</editor-fold>
118
119     /* Create and display the form */
120     java.awt.EventQueue.invokeLater(new Runnable() {
121         public void run() {
122             new login().setVisible(true);
123         }
124     });
125 }
```

## 2) Codingan untuk menjalankan jframe login

```
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;
}

private void proses() {
    String user = txtUsername.getText();
    char[] pass = txtPassword.getPassword();

    if(user.isEmpty()){
        JOptionPane.showMessageDialog(this, "username wajib diisi");
        txtPassword.requestFocus();
    }else if(pass.length == 0){
        JOptionPane.showMessageDialog(this, "password harus diisi");
        txtPassword.requestFocus();
    }else{
        String password = new String(pass);
        btnLogin.setEnabled(false);
        try {
            Connection cn = DriverManager.getConnection("jdbc:mysql://localhost/perumahan",
"root", "");
            Statement st = cn.createStatement();

            String q = "SELECT * FROM tb_admin "
                + "WHERE username='"+user+" ' "
                + "AND password=MD5('"+password+"')";

            ResultSet rs = st.executeQuery(q);
            if(rs.next()){
                data_perumahan d = new data_perumahan();
                d.setExtendedState(Frame.MAXIMIZED_BOTH);
                this.setVisible(false);
            }
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }
}
```

```

        d.setVisible(true);
    }else{
        JOptionPane.showMessageDialog(this, "Username/password salah!");
        txtUsername.requestFocus();
    }
    btnLogin.setEnabled(true);

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

}
}
}

```

- Membuat JFrame data\_perumahan seperti ini :

**ARSIP PERUMAHAN**

Id  txtId

Nama Perumahan  txtPerumahan

Alamat  txtAlamat

No. Telp  txtTelp

Email  txtEmail

Pengembang  txtPengembang

Tipe Perumahan  cmbTipe

File Brosur  txtBrosur

tblData

Title 1	Title 2	Title 3	Title 4

- Lalu isikan seperti di bawah ini :

```

package Apps;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class data_perumahan extends javax.swing.JFrame {

```

```

    DefaultTableModel model;

```

```

    public data_perumahan() {
        initComponents();
        String[] judul = {"Id", "No", "Nama Perumahan", "Alamat", "No. Telp", "Email",
"Pengembang", "Tipe", "Brosur"};
        model = new DefaultTableModel(judul, 0);
        tblData.setModel(model);
        loadData("");
        txtId.setEnabled(false);
    }

```

1) Dibagian btnTambahdata

```

    private void btnTambahdataActionPerformed(java.awt.event.ActionEvent evt) {
        try {
            Connection cn =
DriverManager.getConnection("jdbc:mysql://localhost/perumahan", "root", "");
            cn.createStatement().executeUpdate("INSERT INTO perumahan(id, nama,
alamat, telp, email, pengembang, tipe, brosur) VALUES " + "(NULL, " + "" +
txtPerumahan.getText() + "," + txtAlamat.getText() + "," + txtTelp.getText() + "," +
txtEmail.getText() + "," + txtPengembang.getText() + "," + cmbTipe.getSelectedItem()
+ "," + txtBrosur.getText() + ")");
            JOptionPane.showMessageDialog(null, "Penyimpanan Data Berhasill.....");

```

```

    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(null, "ada yang belum diisi !!");
    }
    loadData("");
}

```

2) Dibagian btnUbah

```

private void btnUbahActionPerformed(java.awt.event.ActionEvent evt) {
    try {
        Connection cn =
        DriverManager.getConnection("jdbc:mysql://localhost/perumahan", "root", "");
        Statement st = cn.createStatement();
        cn.createStatement().executeUpdate("UPDATE perumahan set nama =" +
        txtPerumahan.getText() + ",alamat =" + txtAlamat.getText() + ",telp =" +
        txtTelp.getText() + ",email =" + txtEmail.getText() + ",pengembang =" +
        txtPengembang.getText() + ",tipe =" + cmbTipe.getSelectedItem() + ",brostur =" +
        txtBrosur.getText() + " WHERE id =" + txtId.getText() + "");

        JOptionPane.showMessageDialog(null, "Data telah diedit.....");
        loadData("");
    } catch (SQLException ex) {
        ex.printStackTrace();
    }
}

```

3) Dibagian btnHapus

```

private void btnHapusActionPerformed(java.awt.event.ActionEvent evt) {
    int baris = tblData.getSelectedRow();
    if (baris !=-1){
        int id = Integer.parseInt(tblData.getValueAt(baris, 0).toString());
        int pilih = JOptionPane.showConfirmDialog(this,"+"Apakah Anda Yakin?",
        "Konfirmasi"
        , JOptionPane.YES_NO_OPTION);
        if (pilih==0){

            try {
                // TODO add your handling code here:
                Connection cn =
                DriverManager.getConnection("jdbc:mysql://localhost/perumahan", "root", "");

```



```

        cn.createStatement().executeUpdate("DELETE FROM perumahan where id =" +
txtId.getText() + "");
        loadData("");
        JOptionPane.showMessageDialog(null, "data terhapus.....");
    } catch (SQLException ex) {
        Logger.getLogger(data_perumahan.class.getName()).log(Level.SEVERE, null,
ex);
    }
}
}
}
}

```

#### 4) Dibagian tabledata

Klik kanan pada table data > Event > Mouse >MouseClicked

```

private void tblDataMouseClicked(java.awt.event.MouseEvent evt) {
    int i = tblData.getSelectedRow();

    if (i > -1) {
        txtId.setText(model.getValueAt(i, 0).toString());
        txtPerumahan.setText(model.getValueAt(i, 2).toString());
        txtAlamat.setText(model.getValueAt(i, 3).toString());
        txtTelp.setText(model.getValueAt(i, 4).toString());
        txtEmail.setText(model.getValueAt(i, 5).toString());
        txtPengembang.setText(model.getValueAt(i, 6).toString());
        cmbTipe.setSelectedItem(model.getValueAt(i, 7));
        txtBrosur.setText(model.getValueAt(i, 8).toString());
    }
}
}

```

#### 5) Dibagian btnLogout

```

private void btnLogoutActionPerformed(java.awt.event.ActionEvent evt) {
    System.exit(0);
}

```

6) Dibagian Cari

```
private void txtCariKeyReleased(java.awt.event.KeyEvent evt) {  
    String key = txtCari.getText();  
    if (key.isEmpty()) {  
        loadData("");  
    } else {  
        loadData(key);  
    }  
}
```

Lalu ketik lagi kodingan dibawahnya

```
public static void main(String args[]) {  
  
    java.awt.EventQueue.invokeLater(new Runnable() {  
        public void run() {  
            new data_perumahan().setVisible(true);  
        }  
    });  
}
```

Di bagian LoadData

```
private void loadData(String key) {  
    try {  
        model.setRowCount(0);  
        Connection cn = DriverManager.getConnection("jdbc:mysql://localhost/perumahan",  
            "root", "");  
        Statement st = cn.createStatement();  
  
        String where = key.isEmpty() ? "" : " WHERE nama LIKE '%" + key + "%' OR alamat  
        LIKE '%" + key + "%' OR telp LIKE '%" + key + "%' OR email LIKE '%" + key + "%' OR tipe  
        LIKE '%" + key + "%' OR brosur LIKE '%" + key + "%'";
```

```

ResultSet rs = st.executeQuery("SELECT * FROM perumahan" + where);
int no = 0;
while (rs.next()) {
    no++;
    int id = rs.getInt("id");
    String nama = rs.getString("nama");
    String alamat = rs.getString("alamat");
    String telp = rs.getString("telp");
    String email = rs.getString("email");
    String pengembang = rs.getString("pengembang");
    String tipe = rs.getString("tipe");
    String brosur = rs.getString("brosur");

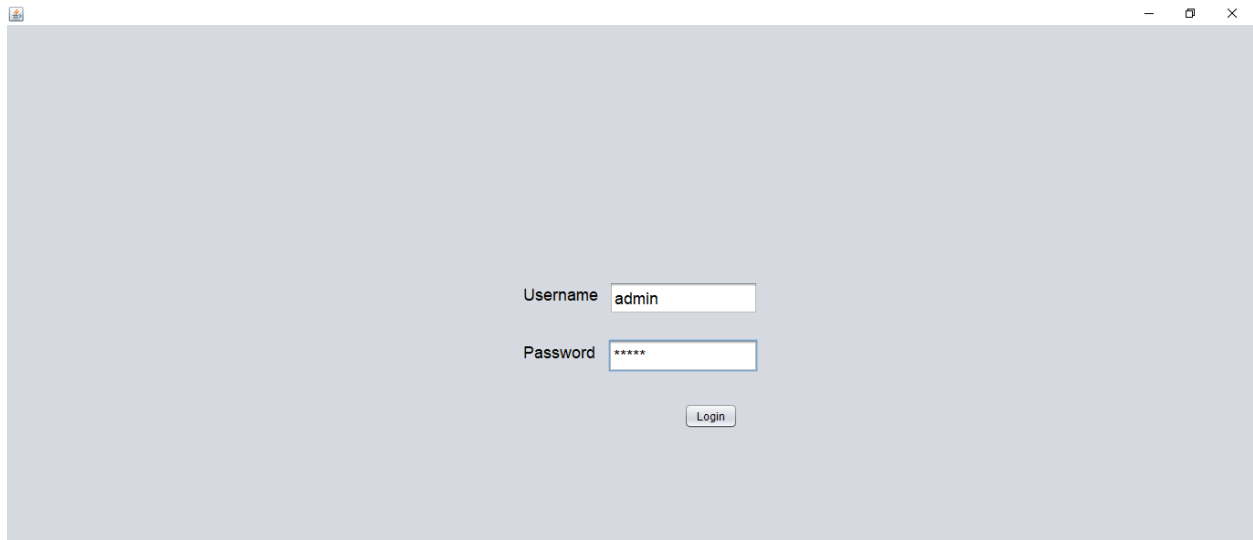
    Object[] data = {id, no, nama, alamat, telp, email, pengembang, tipe, brosur};
    model.addRow(data);
}

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

```

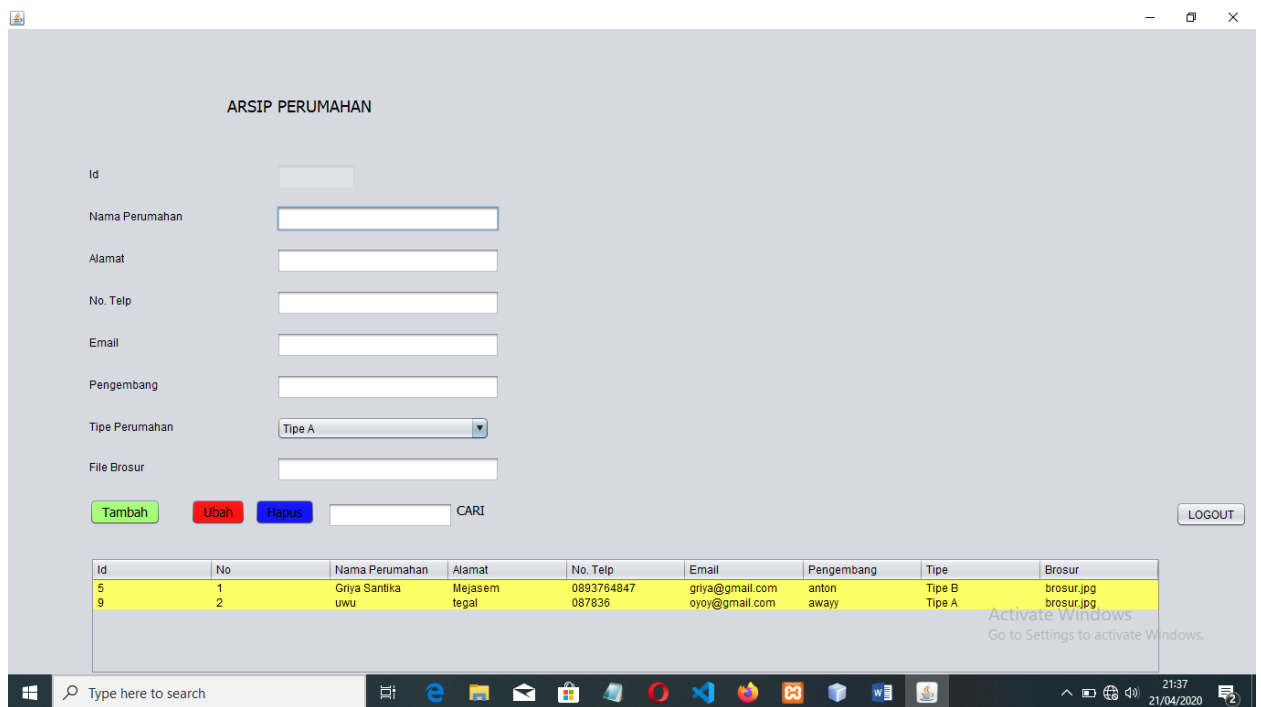
5. Finish, coba di run dan liat hasilnya

- Ketikan usrxname “admin”
- Pass “admin”



A screenshot of a web application's login page. The page has a light gray background. In the center, there are two input fields: 'Username' with the text 'admin' and 'Password' with masked characters '\*\*\*\*\*'. Below these fields is a 'Login' button. The window has standard Windows window controls (minimize, maximize, close) in the top right corner.

- Kalau klik login otomatis ke bagian di bawah ini



A screenshot of a web application titled 'ARSIP PERUMAHAN'. The page contains a form for adding new records and a table of existing records. The form fields are: Id (text), Nama Perumahan (text), Alamat (text), No. Telp (text), Email (text), Pengembang (text), Tipe Perumahan (dropdown menu with 'Tipe A' selected), and File Brosur (text). Below the form are three buttons: 'Tambah' (green), 'Ubah' (red), and 'Hapus' (blue), followed by a 'CARI' button. A 'LOGOUT' button is in the top right. The table below the form has 9 columns: Id, No, Nama Perumahan, Alamat, No. Telp, Email, Pengembang, Tipe, and Brosur. It contains two rows of data. The Windows taskbar is visible at the bottom.

Id	No	Nama Perumahan	Alamat	No. Telp	Email	Pengembang	Tipe	Brosur
5	1	Griya Santika	Mejase	0893764847	griya@gmail.com	anton	Tipe B	brosur.jpg
9	2	uwu	tegal	087636	oyoy@gmail.com	awayy	Tipe A	brosur.jpg

- Ini contoh gambar btn Tambah data

ARSIP PERUMAHAN

Id

Nama Perumahan

Griya Asri

Alamat

Kejambon

No. Telp

0878654231

Email

griyaasri@gmail.com

Pengembang

AHMAD

Tipe Perumahan

Tipe A

File Brosur

brosur.jpg

Tambah

Ubah

Hapus

CARI

LOGOUT

Message

Penyimpanan Data Berhasil....

OK

Id	No	Nama Perumahan	Alamat	No. Telp	Email	Pengembang	Tipe	Brosur
5	1	Griya Santika	Mejasem	0893764847	griya@gmail.com	anton	Tipe B	brosur.jpg
9	2	uwu	tegal	087836	oyoy@gmail.com	away	Tipe A	brosur.jpg

Id	No	Nama Perumahan	Alamat	No. Telp	Email	Pengembang	Tipe	Brosur
5	1	Griya Santika	Mejasem	0893764847	griya@gmail.com	anton	Tipe B	brosur.jpg
9	2	uwu	tegal	087836	oyoy@gmail.com	away	Tipe A	brosur.jpg
10	3	Griya Asri	Kejambon	0878654231	griyaasri@gmail.com	AHMAD	Tipe A	brosur.jpg

- Ini contoh btn Ubah

ARSIP PERUMAHAN

Id: 9

Nama Perumahan: Palembang Indah

Alamat: Slawi

No. Telp: 0876786

Email: oyoy@gmail.com

Pengembang: Asrul

Tipe Perumahan: Tipe A

File Brosur: brosur.jpg

**Tambah** **Ubah** **Hapus**  CARI LOGOUT

Message: Data telah diedit....

Id	No	Nama Perumahan	Alamat	No. Telp	Email	Pengembang	Tipe	Brosur
5	1	Griya Santika	Mejasem	0893764847	griya@gmail.com	anton	Tipe B	brosur.jpg
9	2	Palem Indah	Slawi	0876786	oyoy@gmail.com	Asrul	Tipe A	brosur.jpg
10	3	Griya Asri	Kejambon	0878654231	griyaasri@gmail.com	AHMAD	Tipe A	brosur.jpg

Id	No	Nama Perumahan	Alamat	No. Telp	Email	Pengembang	Tipe	Brosur
5	1	Griya Santika	Mejasem	0893764847	griya@gmail.com	anton	Tipe B	brosur.jpg
9	2	Palem Indah	Slawi	0876786	oyoy@gmail.com	Asrul	Tipe A	brosur.jpg
10	3	Griya Asri	Kejambon	0878654231	griyaasri@gmail.com	AHMAD	Tipe A	brosur.jpg

- Ini contoh gambar btn Hapus

**ARSIP PERUMAHAN**

Id:

Nama Perumahan:

Alamat:

No. Telp:

Email:

Pengembang:

Tipe Perumahan:

File Brosur:

Id	No	Nama Perumahan	Alamat	No. Telp	Email	Pengembang	Tipe	Brosur
5	1	Griya Santika	Mejasem	0893764847	griya@gmail.com	anton	Tipe B	brosur.jpg
10	2	Griya Asri	Kejambon	0878654231	griyaasri@gmail.com	AHMAD	Tipe A	brosur.jpg

Id	No	Nama Perumahan	Alamat	No. Telp	Email	Pengembang	Tipe	Brosur
5	1	Griya Santika	Mejasem	0893764847	griya@gmail.com	anton	Tipe B	brosur.jpg
10	2	Griya Asri	Kejambon	0878654231	griyaasri@gmail.com	AHMAD	Tipe A	brosur.jpg