

Laporan Porjek UTS Pemrograman Komputer 2



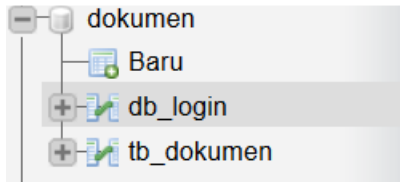
NAMA : Dwi Satri Indriawan
NIM : 18090146
PRODI : Teknik Informatika
KELAS : 4B

**POLITEKNIK HARAPAN BERSAMA
KOTA TEGAL**

Manual book Arsip Dokumen Perumahan

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 db_login 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"/>	
<small>Pick from Central Columns</small>									
username	VARCHAR	50	Tidak ada				---	<input type="checkbox"/>	
<small>Pick from Central Columns</small>									
password	VARCHAR	50	Tidak ada				---	<input type="checkbox"/>	
<small>Pick from Central Columns</small>									

- Bagian tb_dokumen 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	Change Drop More
<input type="checkbox"/> 2	nama	varchar(25)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	alamat	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 4	no_hp	varchar(14)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 5	email	varchar(25)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 6	pengembang	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 7	tipe	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 8	file	varchar(10)	utf8mb4_general_ci		No	None			Change Drop More

2. Menyiapkan Project

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

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 :

```
package Apps;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;

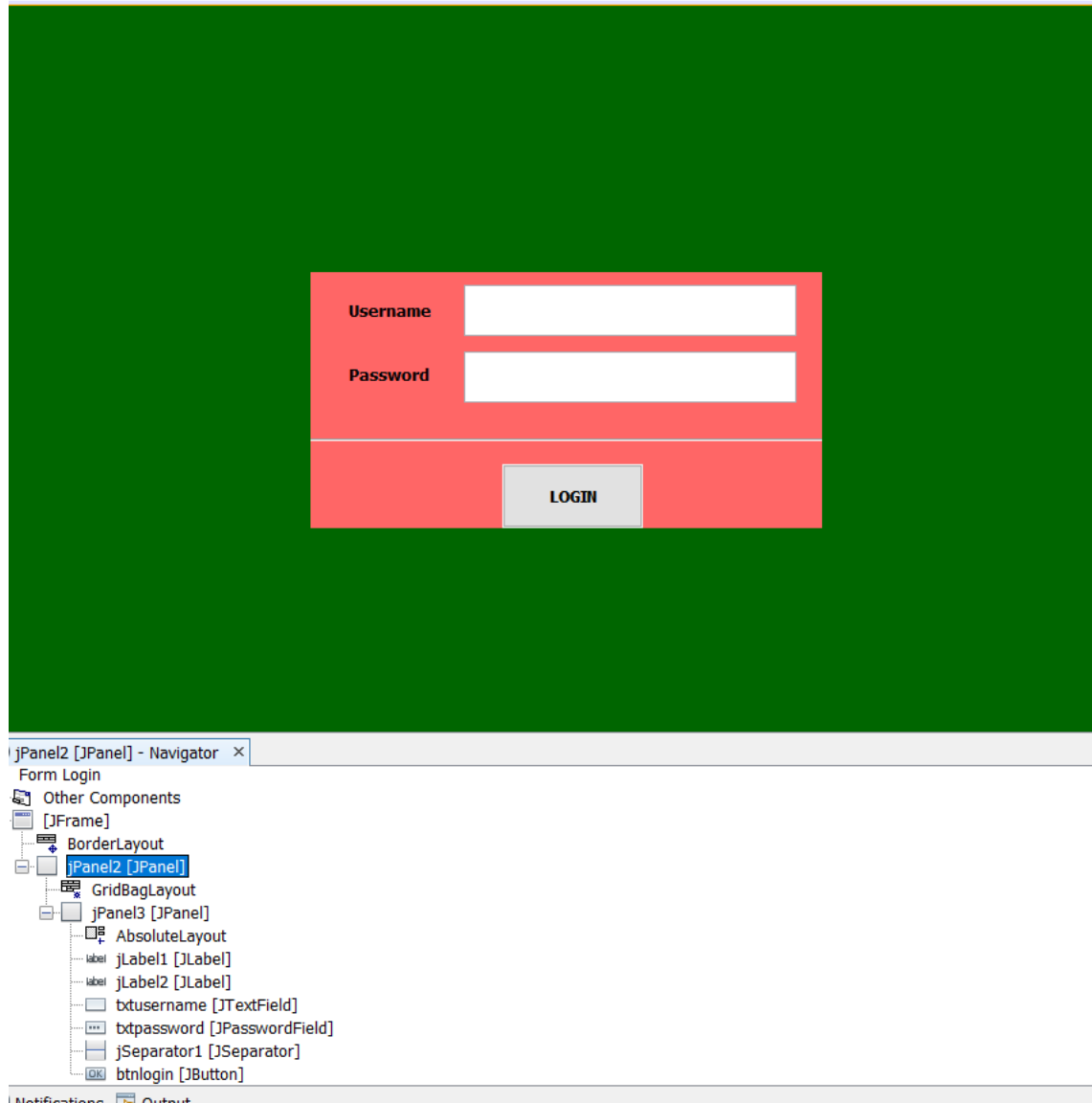
public class konfig {
    private static Connection MySQLConfig;

    public static Connection configDB () throws SQLException{
        try {
            String url = "jdbc:mysql://localhost:3306/dokumen";
            String user = "root";
            String pass = "";
            DriverManager.registerDriver(new com.mysql.jdbc.Driver());
            MySQLConfig = DriverManager.getConnection(url , user , pass);

        } catch (Exception e) {
            System.out.println("Koneksi Ke Database Gagal"+e.getMessage());
        }
        return MySQLConfig;
    }
}
```

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.ResultSet;
```

```

import java.sql.Statement;
import javax.swing.JOptionPane;

java.awt.EventQueue.invokeLater(new Runnable() {

    public void run() {

        Login login = new Login();

        login.setExtendedState(Frame.MAXIMIZED_BOTH);

        login.setVisible(true);

    }

});

```

2) Codigan untuk menjalankan jframe login

```

public void doLogin() {

    btnlogin.setEnabled(false);

    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 = konfig.configDB();

            Statement st = c.createStatement();

```

```

String q = " SELECT * FROM db_login "
        + "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/password salah!");

    txtusername.requestFocus();

    btnlogin.setEnabled(true);

} else {

    dokumen kar = new dokumen();

    this.setVisible(false);

    kar.setExtendedState(Frame.MAXIMIZED_BOTH);

    kar.setVisible(true);

}

} catch (Exception e) {

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

}

}

}

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;
}
```

- Membuat JFrame dokumen seperti ini :

ARSIP PERUMAHAN

Nama Perumahan

Alamat

No.Telephone

Email

Pengembang

Tipe Perumahan

File Brosur

Cari Nama

Title 1	Title 2	Title 3	Title 4

- Lalu isikan seperti di bawah ini :

```
package Apps;
import Apps.konfig;
import java.awt.HeadlessException;
import java.sql.Connection;
import java.sql.SQLException;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

/**
 *
 * @author INDRIAWAN
```



```
*/
```

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

```
    String idData;
```

```
    private void kosongkan_from() {
```

```
        txtNama.setEditable(true);
```

```
        txtNama.setText(null);
```

```
        txtAlamat.setText(null);
```

```
        cmbTipe.setSelectedItem(this);
```

```
        txtNo_hp.setText(null);
```

```
        txtEmail.setText(null);
```

```
        txtPengembang.setText(null);
```

```
        txtFilebrosur.setText(null);
```

```
    }
```

```
    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) konfigur.configDB();
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)});
}
tabledokumen.setModel(model);
} catch (Exception e) {
    System.out.println("Error : " + e.getMessage());
}
}

```

```

/**

```

```

 * Creates new form dokumen

```

```

 */

```

```

public dokumen() {
    initComponents();
    tampilkan_data("");
    kosongkan_from();
}

```

1) Dibagian btntambahdata

```

private void btnTambahDataActionPerformed(java.awt.event.ActionEvent evt) {
    try {
        String sql = "INSERT INTO tb_dokumen VALUES (NULL, " +
txtNama.getText() + "," + txtAlamat.getText() + "," + txtNo_hp.getText() + "," +
txtEmail.getText() + "," + txtPengembang.getText() + "," + cmbTipe.getSelectedItem()
+ "," + txtFilebrosur.getText() + ")";
    }
}

```

```
        java.sql.Connection conn = (Connection) konfigur.configDB();
        java.sql.PreparedStatement pstmt = conn.prepareStatement(sql);
        pstmt.execute();
        JOptionPane.showMessageDialog(null, "Proses simpan Data berhasil");
        tampilkan_data("");
        kosongkan_from();
    } catch (HeadlessException | SQLException e) {
        JOptionPane.showMessageDialog(this, e.getMessage());
    }
    txtNama.setFocusable(true);
}
```

2) Dibagian btnEdit

```
private void btnEditActionPerformed(java.awt.event.ActionEvent evt) {  
  
    try {  
        String sql = "UPDATE tb_dokumen set nama='"+txtNama.getText()+"',alamat  
        ='"+txtAlamat.getText()+"',no_hp='"+txtNo_hp.getText()+"',email  
        ='"+txtEmail.getText()+"',pengembang='"+txtPengembang.getText()+"',tipe  
        ='"+cmbTipe.getSelectedItem()+"',file='"+txtFilebrosur.getText()+"' WHERE id  
        ='"+idData+"'";  
  
        java.sql.Connection conn = (Connection) konfigurasi.konfigDB();  
        java.sql.PreparedStatement pstmt = conn.prepareStatement(sql);  
        pstmt.execute();  
        JOptionPane.showMessageDialog(null, "Edit Data Berhasil");  
    } catch (HeadlessException | SQLException e) {  
        JOptionPane.showMessageDialog(this, e.getMessage());  
    }  
    tampilkan_data("");  
    kosongkan_from();  
}
```

3) Dibagian btnHapus

```
private void btnHapusActionPerformed(java.awt.event.ActionEvent evt) {  
    try {  
        String sql = "DELETE FROM tb_dokumen WHERE id = " + idData + " ";  
        java.sql.Connection conn = (Connection) konfigurasi.konfigDB();  
        java.sql.PreparedStatement pstmt = conn.prepareStatement(sql);  
        pstmt.execute();  
        JOptionPane.showMessageDialog(null, "Hapus Data Berhasil");  
    } catch (HeadlessException | SQLException e) {  
        JOptionPane.showMessageDialog(this, e.getMessage());  
    }  
    tampilkan_data("");  
    kosongkan_from();  
}
```

4) Dibagian tabledokumen

Klik kanan pada table dokumen > Event > Mouse >MouseClicked

```
private void tabledokumenMouseClicked(java.awt.event.MouseEvent evt) {  
int baris = tabledokumen.getSelectedRow();  
  
if (baris > -1) {  
idData = tabledokumen.getValueAt(baris, 1).toString();  
String nama = tabledokumen.getValueAt(baris, 2).toString();  
txtNama.setText(nama);  
  
String alamat = tabledokumen.getValueAt(baris, 3).toString();  
txtAlamat.setText(alamat);  
  
String no_hp = tabledokumen.getValueAt(baris, 4).toString();  
txtNo_hp.setText(no_hp);  
  
String email = tabledokumen.getValueAt(baris, 5).toString();  
txtEmail.setText(email);  
  
String pengembang = tabledokumen.getValueAt(baris, 6).toString();  
txtPengembang.setText(pengembang);  
  
String tipe = tabledokumen.getValueAt(baris, 7).toString();  
cmbTipe.setSelectedItem(tipe);  
  
String brosur = tabledokumen.getValueAt(baris, 8).toString();  
txtFilebrosur.setText(brosur);
```

```
}
```

5) Dibagian btnKeluar

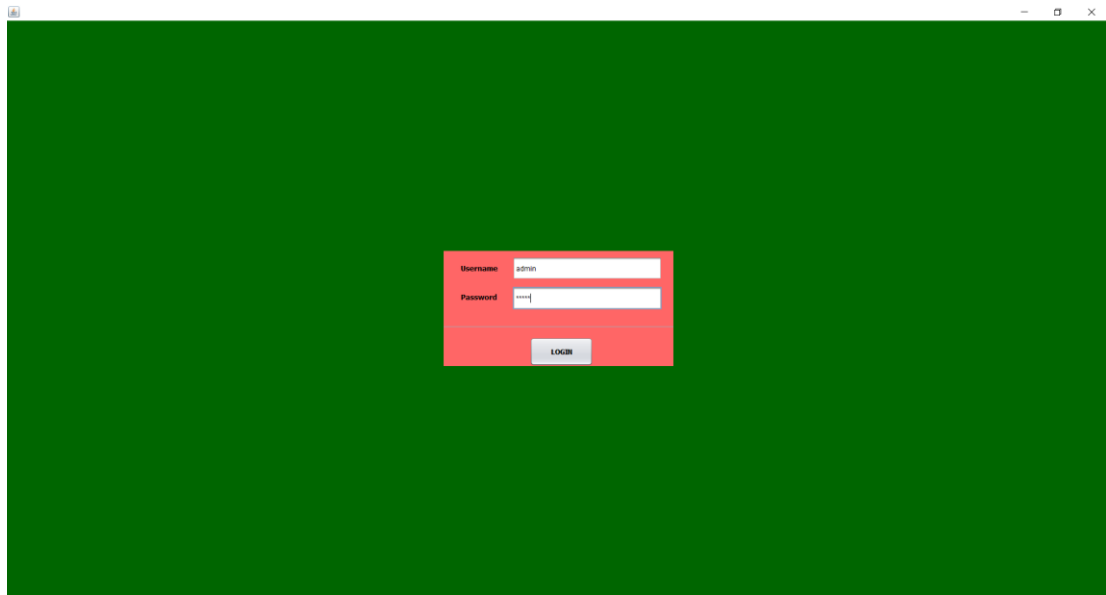
```
private void btnKeluarActionPerformed(java.awt.event.ActionEvent evt) {  
    System.exit(0);  
}
```

6) Dibagian Cari

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

5. Finish, coba di run dan liat hasilnya

- Ketikan usurname “admin”
- Pass “admin”



- Kalau klik login otomatis ke bagian di bawah ini

A screenshot of a web application interface. The top section contains a form for adding new data with the following fields: 'Nama Perumahan', 'Alamat', 'No.Telephone', 'Email', 'Pengembang', 'Tipe Perumahan' (a dropdown menu showing 'tipe 1'), and 'File Brosur'. Below these fields are buttons: 'Tambah Data', 'Simpan', 'Edit', 'Hapus', 'batal', and 'Keluar'. Below the form is a search bar labeled 'Cari Nama'. At the bottom, there is a table with the following data:

No.	Nama Peruma...	Alamat	NO. Telephone	Email	Pengembang	Tipe Perumahan	File Brosur
1	qwerty	tegal	0000	.com	satu	tipe 4	3

- Ini contoh gambar btn Tambah data

ARSIP PERUMAHAN

Nama Perumahan:

Alamat:

No.Telephone:

Email:

Pengembang:

Tipe Perumahan:

File Brosur:

Cari Nama:

No.	Id.	Nama Perum...	Alamat	NO. Telephone	Email	Pengembang	Tipe Peruma...	File Brosur
1	8	zxc	zxc	cvb	cvb	cvb	tipe 1	cvb
2	9	ass	asdasd	asd	a	asd	tipe 4	asd

No.	Id.	Nama Perum...	Alamat	NO. Telephone	Email	Pengembang	Tipe Peruma...	File Brosur
1	8	zxc	zxc	cvb	cvb	cvb	tipe 1	cvb
2	9	ass	asdasd	asd	a	asd	tipe 4	asd
3	10	Griya oce	Langon	0898654678...	oce.com	steve	tipe 3	5

- Ini contoh btn Edit

ARSIP PERUMAHAN

Nama Perumahan

palem

Alamat

slawi

No.Telephone

08997659320

Email

palem.com

Pengembang

edward

Tipe Perumahan

tipe 4

File Brosur

3

Tambah Data

Edit

Hapus

Keluar

Cari Nama

Message

i

Edit Data Berhasil

OK

No.	Id.	Nama Perum...	Alamat	NO. Telephone	Email	Pengembang	Tipe Peruma...	File Brosur
1	8	zxc	zxc	cvb	cvb	cvb	tipe 1	cvb
2	9	ass	asdasd	asd	a	asd	tipe 4	asd
3	10	Griya oce	Langon	0898654678...	oce.com	steve	tipe 3	5

No.	Id.	Nama Perum...	Alamat	NO. Telephone	Email	Pengembang	Tipe Peruma...	File Brosur
1	8	palem	slawi	08997659320	palem.com	edward	tipe 4	3
2	9	ass	asdasd	asd	a	asd	tipe 4	asd
3	10	Griya oce	Langon	0898654678...	oce.com	steve	tipe 3	5

- Ini contoh gambar btn Hapus

ARSIP PERUMAHAN

Nama Perumahan

ass

Alamat

asdasd

No.Telephone

asd

Email

a

Pengembang

asd

Tipe Perumahan

tipe 4

File Brosur

asd

Tambah Data

Edit

Hapus

Keluar

Cari Nama

No.	Id.	Nama Perum...	Alamat	NO. Telephone	Email	Pengembang	Tipe Peruma...	File Brosur
1	8	palem	slawi	08997659320	palem.com	edward	tipe 4	3
2	9	ass	asdasd	asd	a	asd	tipe 4	asd
3	10	Griya oce	Langon	0898654678...	oce.com	steve	tipe 3	5

Message

Hapus Data Berhasil

OK

No.	Id.	Nama Perum...	Alamat	NO. Telephone	Email	Pengembang	Tipe Peruma...	File Brosur
1	8	palem	slawi	08997659320	palem.com	edward	tipe 4	3
2	10	Griya oce	Langon	0898654678...	oce.com	steve	tipe 3	5