

# **LAPORAN**

## **Pemrograman Komputer 2**



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**4B**

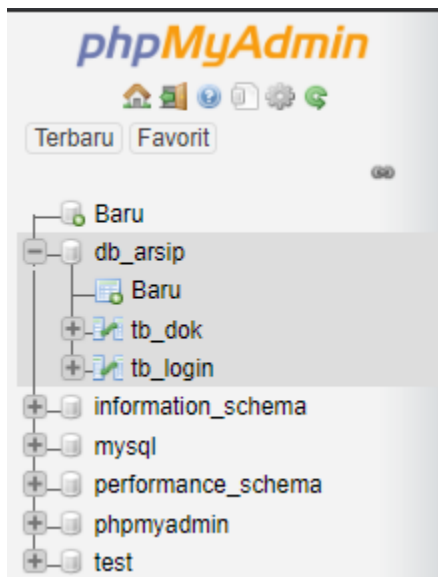
**POLITEKNIK HARAPAN BERSAMA**

**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 :  
db\_arsip  
kemudian di dalamnya terdapat tb\_login & tb\_dok



- Bagian tb\_login kalian bikin seperti di bawah ini :  
Pada 'id' jadikan primary key ceklis AI

#	Nama	Jenis	Penyortiran	Atribut	Tak Ternilai	Bawaan	Komentar	Ekstra	Tindakan
<input type="checkbox"/>	1	id	int(11)		Tidak	Tidak ada		AUTO_INCREMENT	Ubah  Hapus  Lainnya
<input type="checkbox"/>	2	username	varchar(50)	utf8mb4_general_ci	Tidak	Tidak ada			Ubah  Hapus  Lainnya
<input type="checkbox"/>	3	password	varchar(50)	utf8mb4_general_ci	Tidak	Tidak ada			Ubah  Hapus  Lainnya
<input type="checkbox"/>	4	last_login	timestamp		Tidak	current_timestamp()	ON UPDATE CURRENT_TIMESTAMP()		Ubah  Hapus  Lainnya

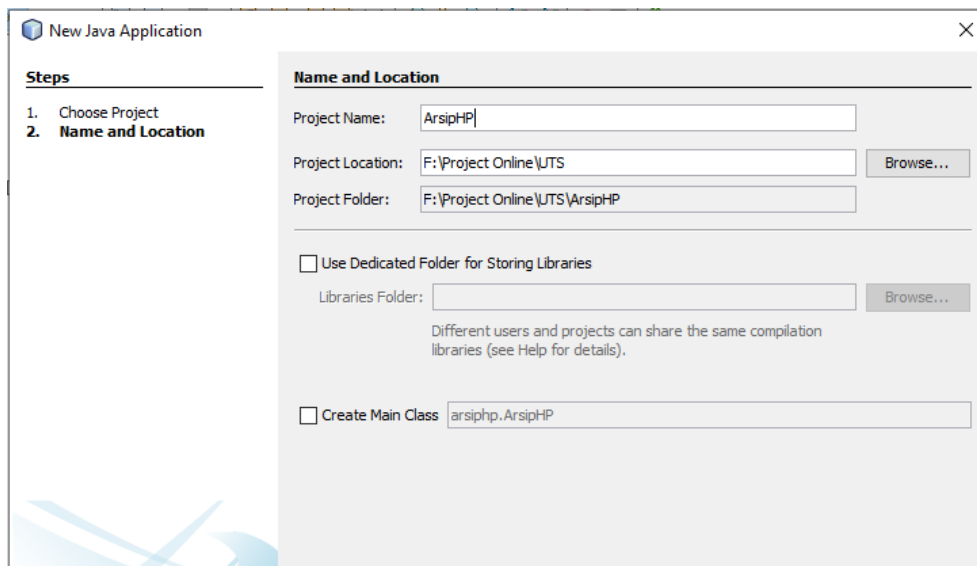
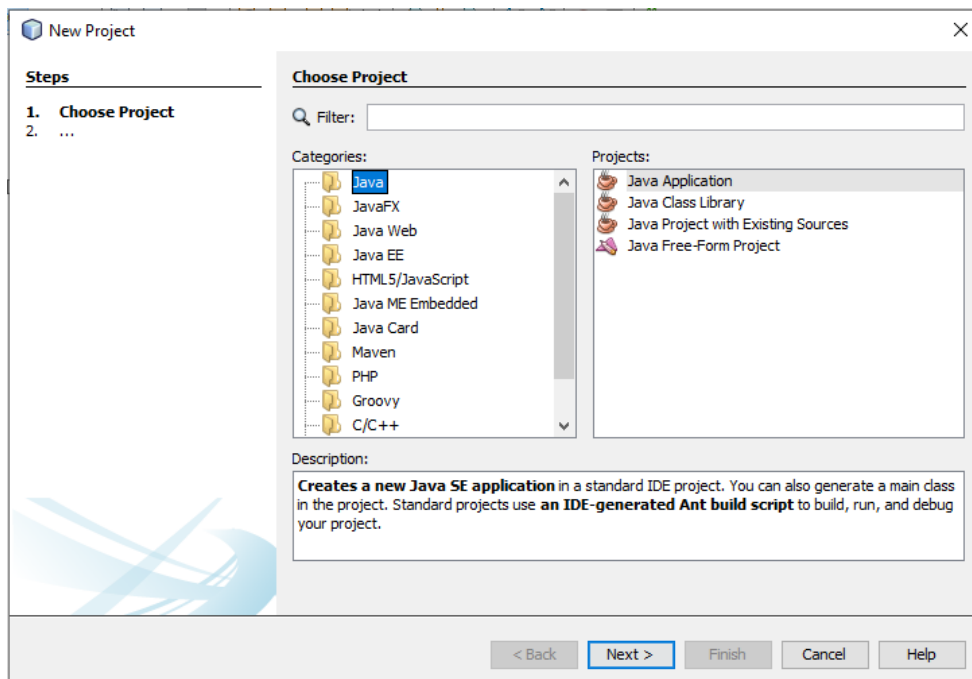
- Bagian tb\_dokumen bikin seperti di bawah ini :  
Untuk value nya sesuaikan dengan kebutuhan

#	Nama	Jenis	Penyortiran	Atribut	Tak Ternilai	Bawaan	Komentar	Ekstra	Tindakan
<input type="checkbox"/>	1	kode	varchar(20)	utf8mb4_general_ci	Tidak	Tidak ada			Ubah Hapus Lainnya
<input type="checkbox"/>	2	nama	varchar(100)	utf8mb4_general_ci	Tidak	Tidak ada			Ubah Hapus Lainnya
<input type="checkbox"/>	3	kategori	varchar(25)	utf8mb4_general_ci	Tidak	Tidak ada			Ubah Hapus Lainnya
<input type="checkbox"/>	4	lokasi	varchar(500)	utf8mb4_general_ci	Tidak	Tidak ada			Ubah Hapus Lainnya
<input type="checkbox"/>	5	deskripsi	varchar(500)	utf8mb4_general_ci	Tidak	Tidak ada			Ubah Hapus Lainnya
<input type="checkbox"/>	6	tanggal	varchar(50)	utf8mb4_general_ci	Tidak	Tidak ada			Ubah Hapus Lainnya

- Tahap membuat data base sudah selesai

## 2. Menyiapkan Project

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

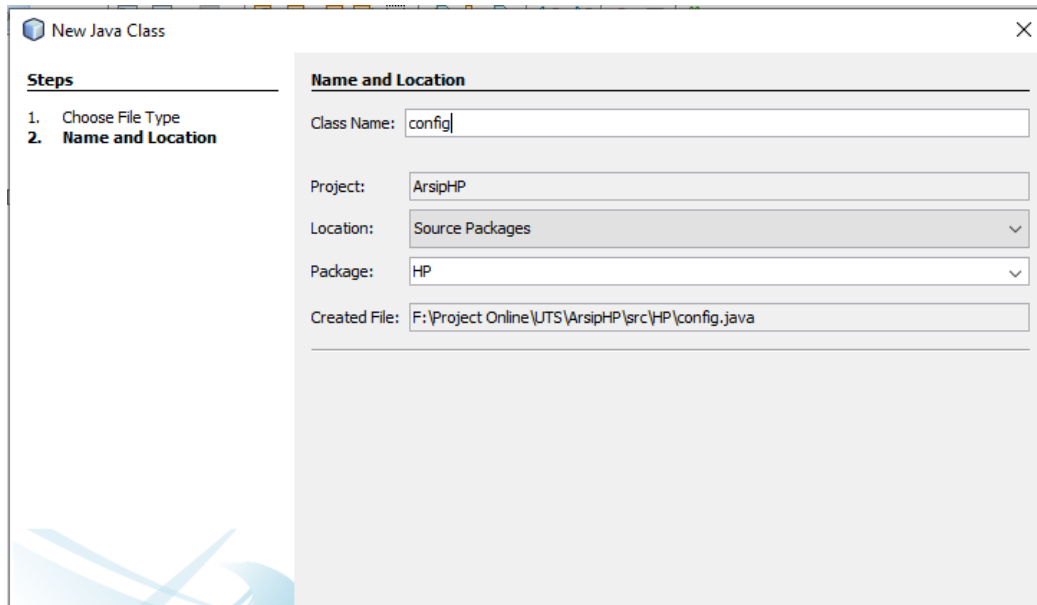


- Setelah anda membuat project baru, buatlah package baru dengan nama ARSIP

The screenshot shows the 'New Java Package' dialog box with the following details:

- Steps:**
  1. Choose File Type
  2. **Name and Location**
- Name and Location:**
  - Package Name: ARSIP
  - Project: ArsipH
  - Location: Source Packages
  - Created Folder: F:\Project Online\UTS\ArsipH\src\ARSIP
- Buttons:** < Back, Next >, Finish (highlighted), Cancel, Help

- Setelah anda membuat package, buatlah java class dengan nama config



- Setelah anda membuat java class, buatlah JFrame form untuk login dan JFrame form untuk crud

### 3. Membuat Java Class

- Buat java class "config" dan buat JFrame "LOGIN", "ARSIP"
- Class Config fungsinya untuk koneksi ke database, Isikan di class config seperti dibawah ini :

package HP;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;

\* @author Dell

public class config {

private static Connection MySQLConfig;

public static Connection configDB () throws SQLException{

try {

String url = "jdbc:mysql://localhost:3306/db\_Arsip";

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;
```

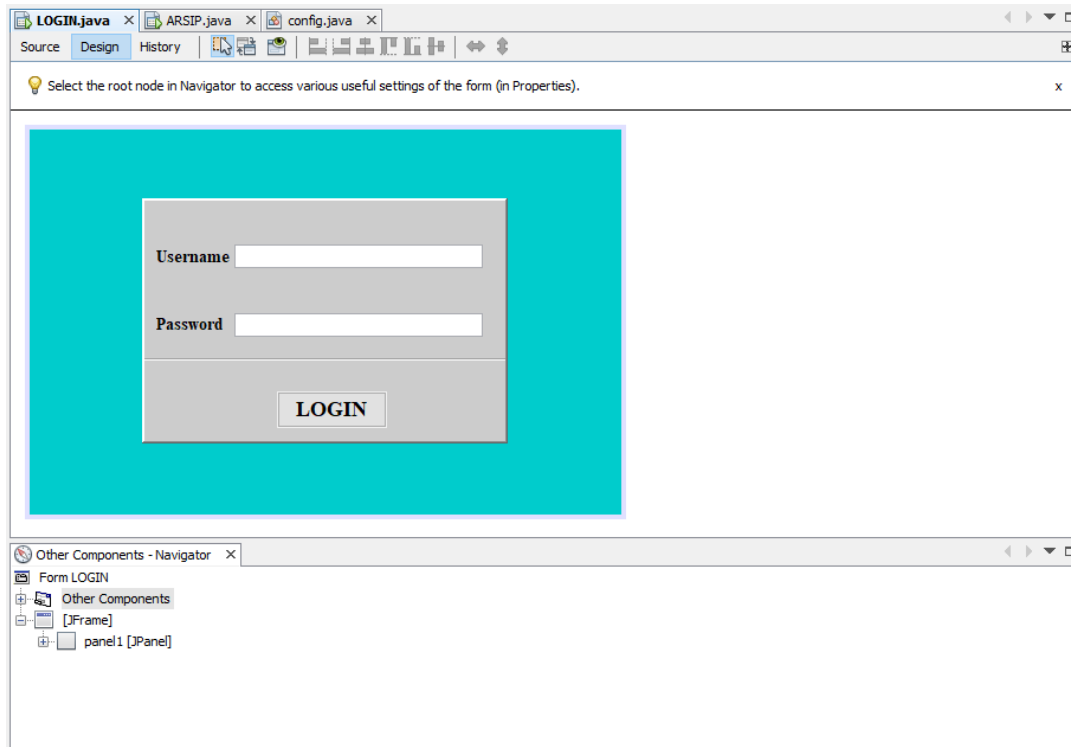
```
}
```

```
}
```

#### 4. JFrame Form

Sebelum bikin anda harus menambahkan librer

- **Buat jframe login seperti di bawah ini :**



- Lalu isikan script seperti di bawah ini :

package HP;

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

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

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

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

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

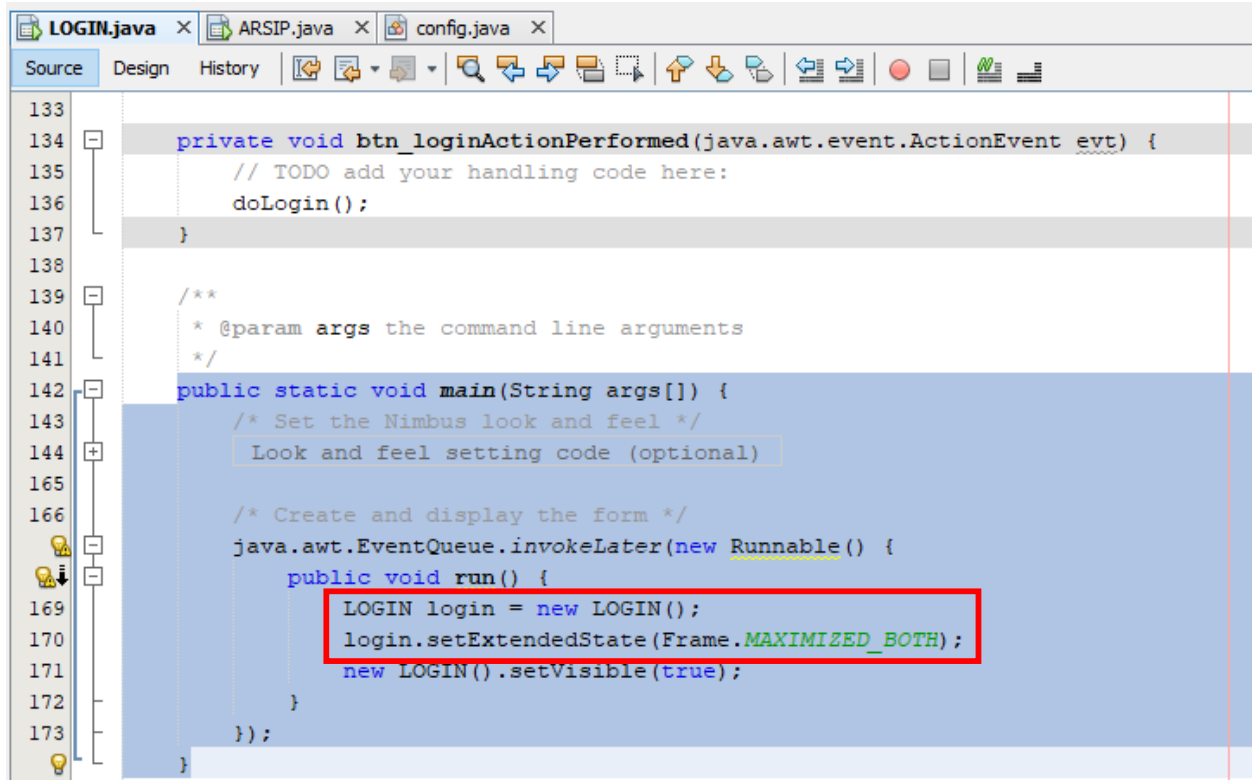
```
import java.sql.Statement;
```

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

pada button login isikan script :

doLogin();

lalu agar saat di max jendela form berada di tengah issikan script :



```
133
134 private void btn_loginActionPerformed(java.awt.event.ActionEvent evt) {
135     // TODO add your handling code here:
136     doLogin();
137 }
138
139 /**
140  * @param args the command line arguments
141  */
142 public static void main(String args[]) {
143     /* Set the Nimbus look and feel */
144     Look and feel setting code (optional)
145
146     /* Create and display the form */
147     java.awt.EventQueue.invokeLater(new Runnable() {
148         public void run() {
149             LOGIN login = new LOGIN();
150             login.setExtendedState(Frame.MAXIMIZED_BOTH);
151             new LOGIN().setVisible(true);
152         }
153     });
154 }
```



- Membuat JFrame dokumen seperti ini :

The screenshot shows a Java IDE with three tabs: LOGIN.java, ARSIP.java [panel1], and config.java. The 'Design' tab is active. A lightbulb icon indicates a tip: "The Preview Design button (in the toolbar) enables you to test the design of the form."

The JFrame titled "ARSIP HP" has a cyan background. It contains the following elements:

- Header:** "ARSIP HP" in bold black text on the left, and "CARI" with a text input field on the right.
- Form Fields:**
  - Seri HP: text input field
  - Nama HP: text input field
  - Merk HP: dropdown menu with the text "==DAFTAR MERK HP==" and a downward arrow
  - Lokasi: text input field
  - Spesifikasi: text input field
  - Tanggal: text input field
- Action Buttons:** A row of six buttons: "Tambah", "Ubah", "Hapus", "Simpan", "Batal", and "Keluar".
- Table:** A table with 4 columns and 5 rows. The columns are titled "Title 1", "Title 2", "Title 3", and "Title 4".

- Lalu isikan seperti di bawah ini :

```
package Apps;

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

```

public class ARSIP extends javax.swing.JFrame {
    private void kosongkan_form() {
        txt_kode.setEditable(true);
        txt_kode.setText(null);
        txt_nama.setText(null);
        cmb_kateg.setSelectedItem(this);
        txt_lok.setText(null);
        txt_desk.setText(null);
        txt_tanggal.setText(null);
    }

    private void tampilkan_data() {
        DefaultTableModel model = new DefaultTableModel();
        model.addColumn("No.");
        model.addColumn("Kode");
        model.addColumn("Nama");
        model.addColumn("Kategori");
        model.addColumn("Lokasi");
        model.addColumn("Deskripsi");
        model.addColumn("Tanggal");

        String cari= txt_cari.getText();
        try {
            int no = 1;
            String sql = "SELECT * FROM tb_dok WHERE nama LIKE '%" + cari + "%' ";
            java.sql.Connection conn = (Connection)config.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)});
            }
            Table.setModel(model);
        } catch (Exception e) {
            System.out.println("Error : "+e.getMessage());
        }
    }

    public ARSIP() {
        initComponents();
        tampilkan_data();
        kosongkan_form();
    }
}

```

1. Dibagian btn\_batal

```
private void btn_BatalActionPerformed(java.awt.event.ActionEvent evt) {  
    kosongkan_from();  
}
```

2. Di bagian btn\_keluar

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

3. Dibagian btn\_tambah

```
private void btn_tambahDataActionPerformed(java.awt.event.ActionEvent evt) {  
    try {  
        String sql = "INSERT INTO db_arsip VALUES  
        ('"+txt_kode.getText()+"','"+txt_nama.getText()+"','"+cmb_kateg.getSelectedItem()+"','"+  
        +txt_lokasi.getText()+"','"+txt_desk.getText()+"','"+txt_tanggal.getText()+"')";  
        java.sql.Connection conn = (Connection)config.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());  
    }  
    txt_kode.setFocusable(true);  
}
```

4. Dibagian btn\_simpan

```
private void btn_simpanActionPerformed(java.awt.event.ActionEvent evt) {  
    try {  
        String sql = "INSERT INTO db_arsip VALUES  
        ('"+txt_kode.getText()+"','"+txt_nama.getText()+"','"+cmb_kateg.getSelectedItem()+"','"+  
        +txt_lokasi.getText()+"','"+txt_desk.getText()+"','"+txt_tanggal.getText()+"')";  
        java.sql.Connection conn = (Connection)config.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());
    }
}

```

##### 5. Di bagian Table

```

private void tabledokumenMouseClicked(java.awt.event.MouseEvent evt) {
    int baris = Table.rowAtPoint(evt.getPoint());
    String nik = Table.getValueAt(baris, 1).toString();
    txt_kode.setText(nik);

    String nama = Table.getValueAt(baris, 2).toString();
    txt_nama.setText(nama);

    String jab = Table.getValueAt(baris, 3).toString();
    cmb_kateg.setSelectedItem(jab);

    String alamat = Table.getValueAt(baris, 4).toString();
    txt_lokasi.setText(alamat);

    String email = Table.getValueAt(baris, 5).toString();
    txt_deskripsi.setText(email);

    String telp = Table.getValueAt(baris, 6).toString();
    txt_tanggal.setText(telp);
}

```

##### 6. Dibagian btn\_ubah

```

private void btnEditActionPerformed(java.awt.event.ActionEvent evt) {
    try {
        String sql = "UPDATE db_arsip SET kode = '"+txt_kode.getText()+"',nama = '"+txt_nama.getText()+"',kategori = '"+cmb_kateg.getSelectedItem()+"',lokasi = '"+txt_lokasi.getText()+"',deskripsi = '"+txt_desk.getText()+"',tanggal = '"+txt_tanggal.getText()+"' WHERE kode = '"+txt_kode.getText()+"'";
        java.sql.Connection conn = (Connection)Config.configDB();
        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();
}

```

#### 7. Di bagian btn\_hapus

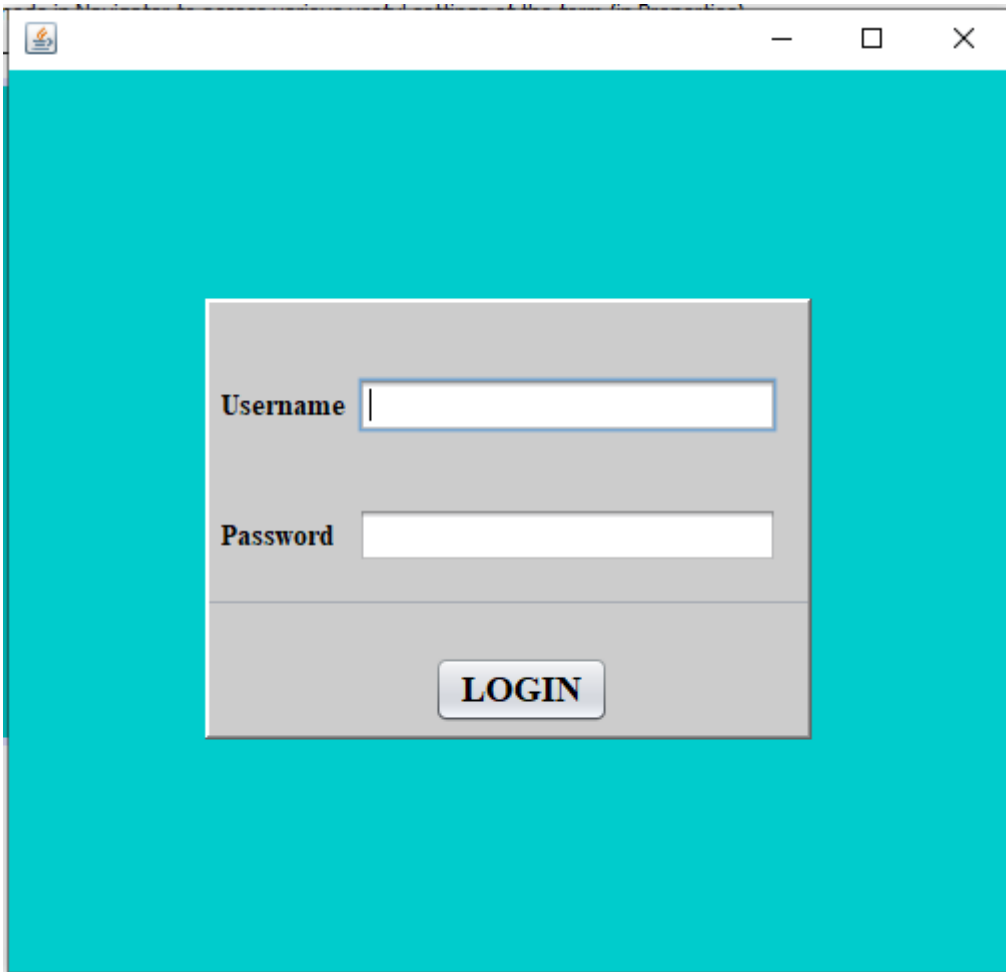
```

private void btnHapusActionPerformed(java.awt.event.ActionEvent evt) {
    try {
        String sql = "DELETE FROM db_arsip WHERE kode = '"+txt_kode.getText()+"'";
        java.sql.Connection conn = (Connection)config.configDB();
        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();
}

```

#### 5. **Finish, coba di run dan liat hasilnya**

Kalau bener entar seperti ini;



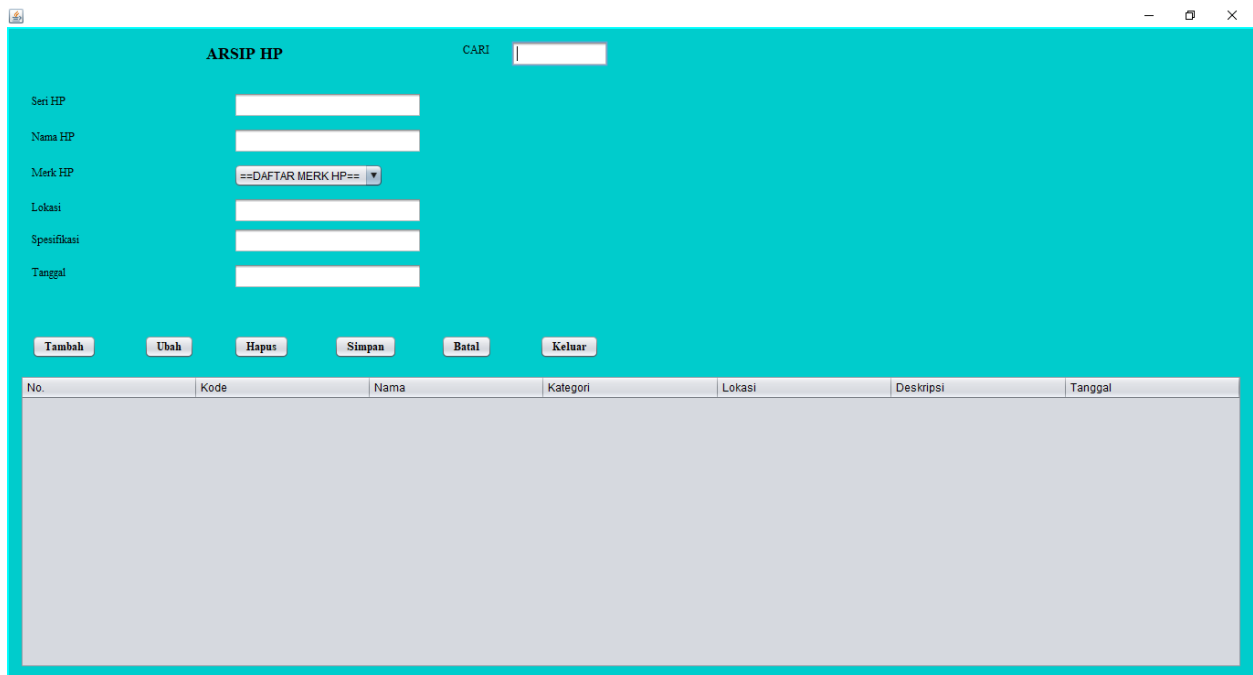
A login window with a cyan background. The window has a title bar with a small icon on the left and standard minimize, maximize, and close buttons on the right. Centered on the cyan background is a gray rectangular login form. The form contains two input fields: the first is labeled "Username" and the second is labeled "Password". Below these fields is a button labeled "LOGIN".

Username

Password

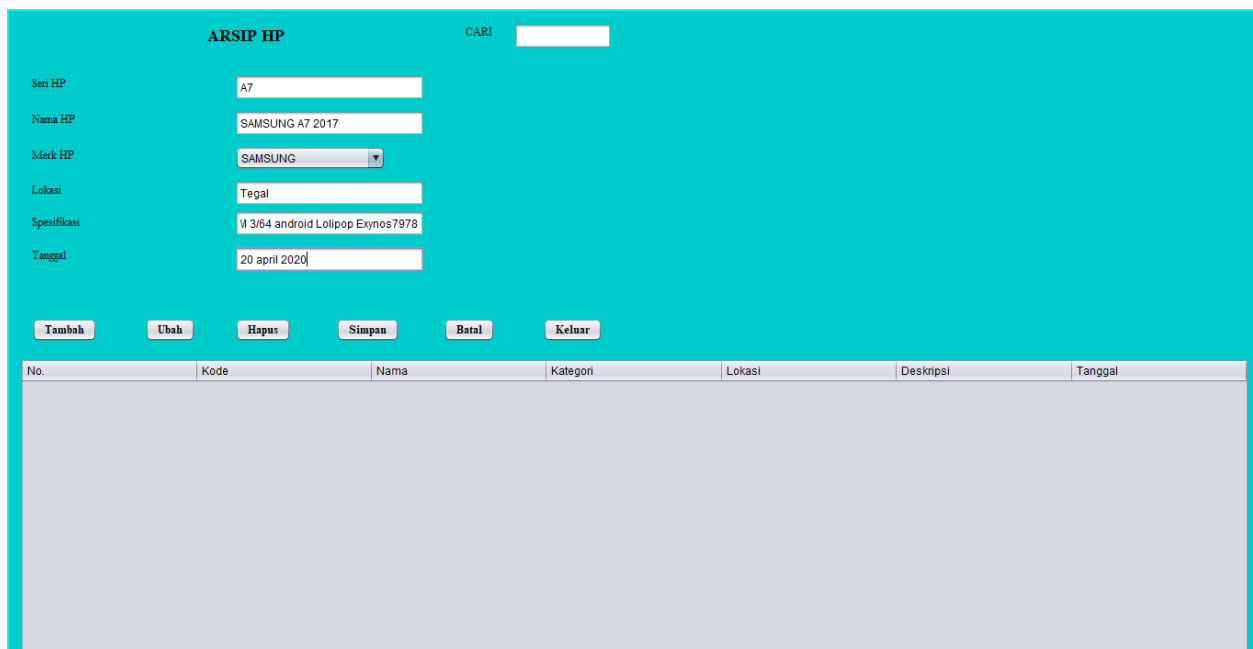
**LOGIN**

Kalau klik login otomatis ke bagian di bawah ini



The screenshot shows the ARSIP HP application interface. At the top, there is a title "ARSIP HP" and a search bar labeled "CARI". Below the title, there are six form fields: "Seri HP", "Nama HP", "Merk HP" (with a dropdown menu showing "==DAFTAR MERK HP=="), "Lokasi", "Spesifikasi", and "Tanggal". Below the form fields, there are six buttons: "Tambah", "Ubah", "Hapus", "Simpan", "Batal", and "Keluar". At the bottom, there is a table with the following columns: "No.", "Kode", "Nama", "Kategori", "Lokasi", "Deskripsi", and "Tanggal". The table is currently empty.

Ini salah satu contoh gambar btn tambah data



The screenshot shows the ARSIP HP application interface with the form fields filled with data. The "Seri HP" field contains "A7", the "Nama HP" field contains "SAMSUNG A7 2017", the "Merk HP" dropdown menu shows "SAMSUNG", the "Lokasi" field contains "Tegal", the "Spesifikasi" field contains "11 3/64 android Lollipop Exynos7978", and the "Tanggal" field contains "20 april 2020". The buttons "Tambah", "Ubah", "Hapus", "Simpan", "Batal", and "Keluar" are still visible. The table at the bottom is still empty.

ARSIP HP

CARI

Seri HP

A7

Nama HP

SAMSUNG A7 2017

Merk HP

SAMSUNG

Lokasi

Tegal

Spesifikasi

11 3/64 android Lollipop Exynos7978

Tanggal

20 april 2020

Tambah

Ubah

Hapus

Simpan

Batal

Message

Proses simpan Data berhasil

OK

No.	Kode	Nama	Kategori	Lokasi	Deskripsi	Tanggal
-----	------	------	----------	--------	-----------	---------

ARSIP HP

CARI

Seri HP

Nama HP

Merk HP

SAMSUNG

Lokasi

Spesifikasi

Tanggal

Tambah

Ubah

Hapus

Simpan

Batal

Keluar

No.	Kode	Nama	Kategori	Lokasi	Deskripsi	Tanggal
1	A7	SAMSUNG A7 2017	SAMSUNG	Tegal	RAM 3/64 android Lollipop Exyn...	20 april 2020

Berhasil