

**“UTS Genap”**



**Untuk Memenuhi UTS Genap Tahun Ajaran 2019/2020  
Mata Kuliah Pemrograman Komputer 2  
Dosen Pengampu: M. Nishom., M.Kom**

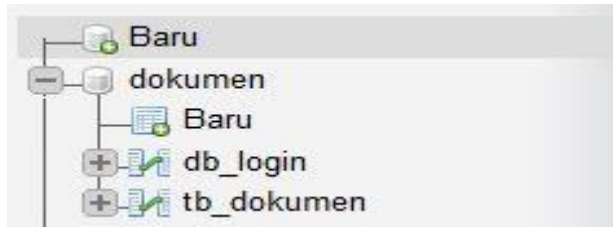
**Disusun Oleh:  
AISATUL MUTOHAROH  
NIM: 18090107  
KELAS 4D**

**PRODI D4 TEKNIK INFORMATIKA  
POLITEKNIK HARAPAN BERSAMA  
TEGAL  
2020**

# MANUAL BOOK ARSIP DOKUMENTASI

## 1. Membuat Data Base

- Buka xampp kemudian aktifkan Apache dan My sql dan pilih admin untuk masuk ke php my admin
- Kemudian buat basis data seperti di bawah ini :



- Bagian db\_login :

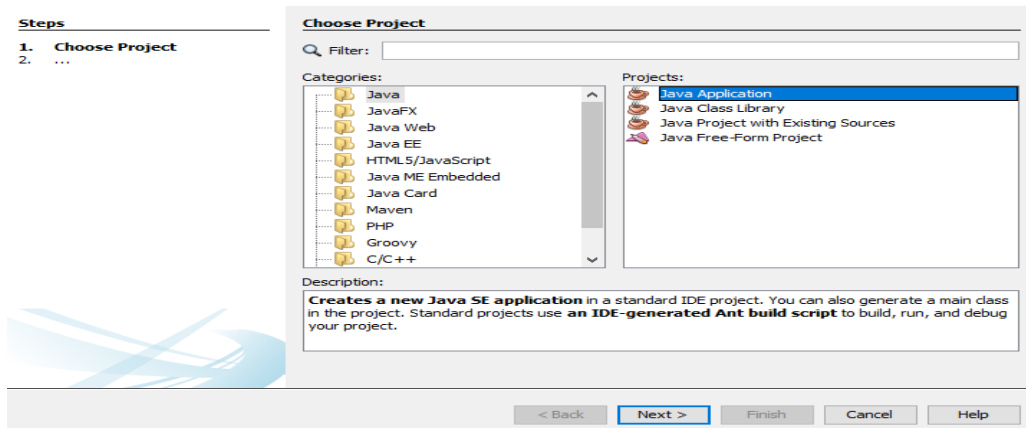
#	Nama	Jenis	Penyortiran	Atribut	Tak Ternilai	Bawaan	Komentar	Ekstra
<input type="checkbox"/> 1	<b>id</b>	int(1)			Tidak	Tidak ada		AUTO_INCREMENT
<input type="checkbox"/> 2	<b>username</b>	varchar(30)	latin1_swedish_ci		Tidak	Tidak ada		
<input type="checkbox"/> 3	<b>password</b>	varchar(40)	latin1_swedish_ci		Tidak	Tidak ada		

- Bagian tb\_dokumen :

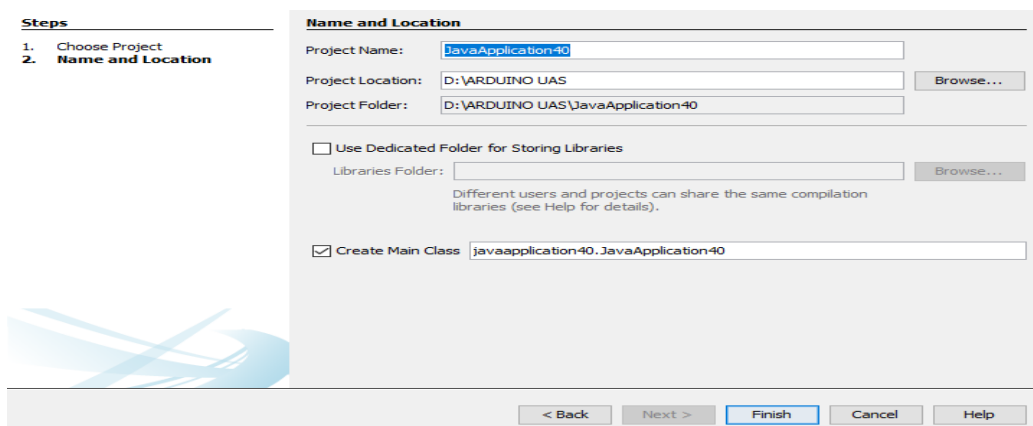
#	Nama	Jenis	Penyortiran	Atribut	Tak Ternilai	Bawaan	Komentar	Ekstra
<input type="checkbox"/> 1	<b>kode</b>	varchar(20)	latin1_swedish_ci		Tidak	Tidak ada		
<input type="checkbox"/> 2	<b>nama</b>	varchar(50)	latin1_swedish_ci		Tidak	Tidak ada		
<input type="checkbox"/> 3	<b>kategori</b>	varchar(50)	latin1_swedish_ci		Tidak	Tidak ada		
<input type="checkbox"/> 4	<b>lokasi</b>	varchar(50)	latin1_swedish_ci		Tidak	Tidak ada		
<input type="checkbox"/> 5	<b>deskripsi</b>	varchar(50)	latin1_swedish_ci		Tidak	Tidak ada		
<input type="checkbox"/> 6	<b>tanggal</b>	date			Tidak	Tidak ada		

## 2. Menyiapkan Project

- Buka Netbeans, kemudian klik **file** pada pojok kiri atas lalu pilih **new project**.

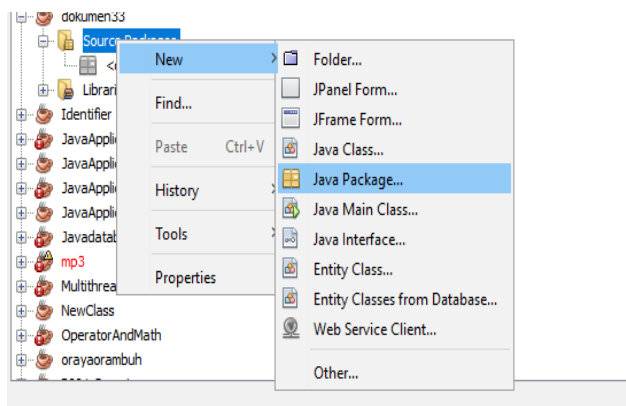


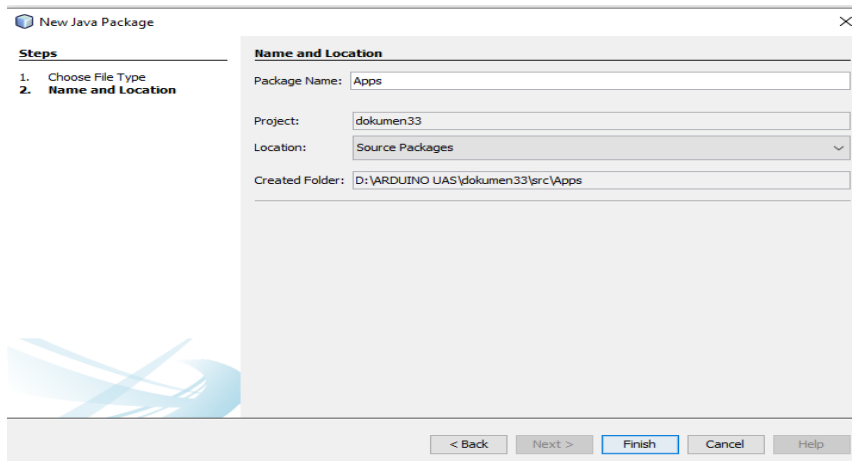
Setelah jendela terbuka seperti ini pilih java applications lalu klik next>>



Pada project name ketikkan **Dokumen** lalu pada project locations pilihlah lokasi sesuai dengan keinginan Anda, setelahnya klik finish. Pada chek box disamping Create Main Class hilangkan tanda centang

- Setelah membuat project baru, buatlah package baru dengan nama Apps

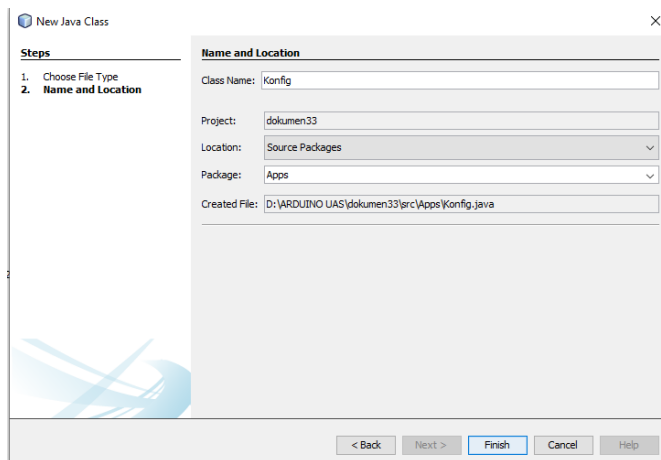
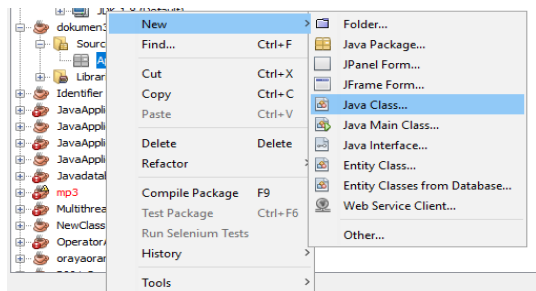


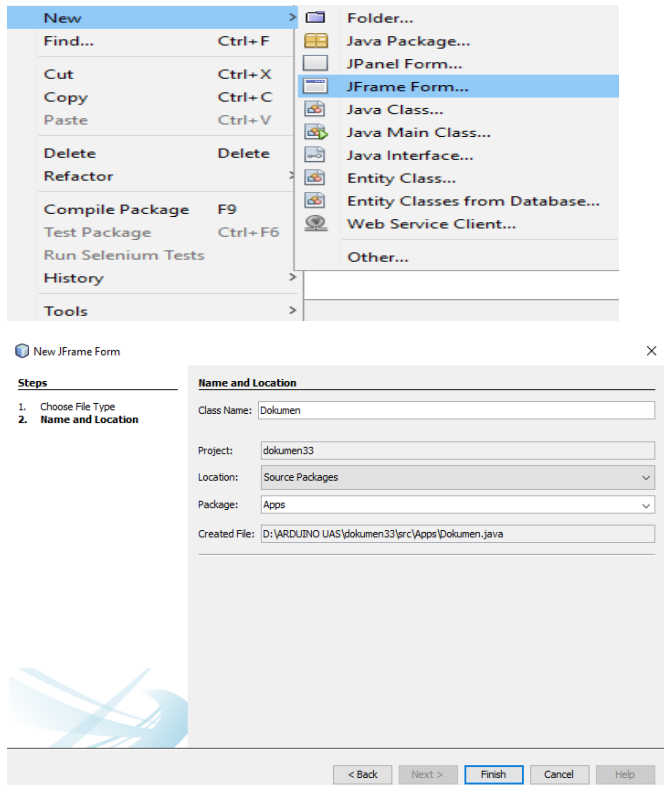


Pada package name ketikkan Apps, setelahnya **finish**

### 3. Membuat kelas

- Didalam package Apps buatlah class konfigurasi dan buat JFrame Login dokumen





Isikan **dokumen** pada Class name

- Class konfigurasi untuk menyambungkan data base, kemudian di class konfigurasi diisi :  
package Apps;

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

```
public class konfigurasi {
    private static Connection MySQLConfig;

    public static Connection konfigurasiDB () 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. JFrame

- Membuat JFrame Login :



- Kemudian 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;

```

```

public class Login extends javax.swing.JFrame {

```

```

    public Login() {
        initComponents();
    }
    private void txtusernameActionPerformed(java.awt.event.ActionEvent evt) {

    }

    private void txtpasswordActionPerformed(java.awt.event.ActionEvent evt) {
    }
    private void btnloginActionPerformed(java.awt.event.ActionEvent evt) {
        doLogin();
    }
    public static void main(String args[]) {
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            Login login = new Login();
            login.setExtendedState(Frame.MAXIMIZED_BOTH);
            login.setVisible(true);
        }
    });
    }
    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.JPanel jPanel2;
    private javax.swing.JPanel jPanel3;
    private javax.swing.JSeparator jSeparator1;
    private javax.swing.JPasswordField txtpassword;
    private javax.swing.JTextField txtusername;
    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 :



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 dokumen extends javax.swing.JFrame {

```

```

    private void kosongkan_from() {
        txtkodedokumen.setEditable(true);
        txtkodedokumen.setText(null);
        txtnamadokumen.setText(null);
        cmbkatagoridokumen.setSelectedItem(this);
        txtlokasi.setText(null);
        txtdeskripsi.setText(null);
        txttanggal.setText(null);
    }

```

```

    private void tampilkan_data() {
        DefaultTableModel model = new DefaultTableModel();
        model.addColumn("No.");
        model.addColumn("Kode Dokumen");
        model.addColumn("Nama Dokumen");
    }

```

```

        model.addColumn("Kategori Dokumen");
        model.addColumn("Lokasi Dokumen");
        model.addColumn("Deskripsi Dokumen");
        model.addColumn("Tanggal");

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

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

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

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

    private void btnTambahDataActionPerformed(java.awt.event.ActionEvent evt) {
        try {
            String sql = "INSERT INTO tb_dokumen VALUES
('"+txtkodedokumen.getText()+"','"+txtnamadokumen.getText()+"','"+cmbkatagoridokum
en.getSelectedItemAt()+"','"+txtlokasi.getText()+"','"+txtdeskripsi.getText()+"','"+txttangga
l.getText()+"')";

```

```

        java.sql.Connection conn = (Connection)konfig.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());
    }
    txtkodedokumen.setFocusable(true);
}

private void btnSiimpanActionPerformed(java.awt.event.ActionEvent evt) {
    try {
        String sql = "INSERT INTO tb_dokumen VALUES
(" + txtkodedokumen.getText() + "," + txtnamadokumen.getText() + "," + cmbkatagoridokumen.getSelectedItemAt(0).getText() + "," + txtlokasi.getText() + "," + txtdeskripsi.getText() + "," + txttanggal.getText() + ")";
        java.sql.Connection conn = (Connection)konfig.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());
    }
}

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

    String nama = tabledokumen.getValueAt(baris, 2).toString();
    txtnamadokumen.setText(nama);

    String jab = tabledokumen.getValueAt(baris, 3).toString();
    cmbkatagoridokumen.setSelectedItem(jab);

    String alamat = tabledokumen.getValueAt(baris, 4).toString();

```

```

        txtlokasi.setText(alamat);

        String email = tabledokumen.getValueAt(baris, 5).toString();
        txtdeskripsi.setText(email);

        String telp = tabledokumen.getValueAt(baris, 6).toString();
        txttanggal.setText(telp);
    }

    private void btnEditActionPerformed(java.awt.event.ActionEvent evt) {
        try {
            String sql = "UPDATE tb_dokumen SET kode = 
            '"+txtkodedokumen.getText()+"',nama = '"+txtnamadokumen.getText()+"',kategori = 
            '"+cmbkatagoridokumen.getSelectedItem()+"',lokasi = '"+txtlokasi.getText()+"',deskripsi 
            = '"+txtdeskripsi.getText()+"',tanggal = '"+txttanggal.getText()+"' WHERE kode = 
            '"+txtkodedokumen.getText()+"'";
            java.sql.Connection conn = (Connection)konfig.configDB();
            java.sql.PreparedStatement pstm = conn.prepareStatement(sql);
            pstm.execute();
            JOptionPane.showMessageDialog(null, "Edit Data Berhasil");
        } catch (HeadlessException | SQLException e) {
            JOptionPane.showMessageDialog(this, e.getMessage());
        }
        tampilkan_data();
        kosongkan_from();
    }

    private void btnHapusActionPerformed(java.awt.event.ActionEvent evt) {
        try {
            String sql = "DELETE FROM tb_dokumen WHERE kode = 
            '"+txtkodedokumen.getText()+"'";
            java.sql.Connection conn = (Connection)konfig.configDB();
            java.sql.PreparedStatement pstm = conn.prepareStatement(sql);
            pstm.execute();
            JOptionPane.showMessageDialog(null, "Hapus Data Berhasil");
        } catch (HeadlessException | SQLException e) {
            JOptionPane.showMessageDialog(this, e.getMessage());
        }
        tampilkan_data();
        kosongkan_from();
    }

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

```

```

    }

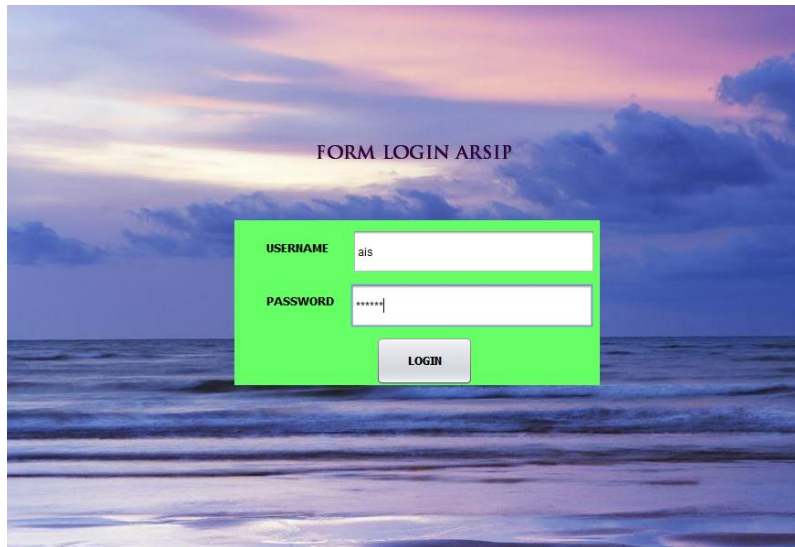
    private void txtcariKeyPressed(java.awt.event.KeyEvent evt) {
        tampilkan_data();
    }
    private void txtnamadokumenActionPerformed(java.awt.event.ActionEvent evt) {
    }

    public static void main(String args[]) {
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new dokumen().setVisible(true);
            }
        });
    }
    private javax.swing.JButton btnBatal;
    private javax.swing.JButton btnEdit;
    private javax.swing.JButton btnHapus;
    private javax.swing.JButton btnKeluar;
    private javax.swing.JButton btnSiimpan;
    private javax.swing.JButton btnTambahData;
    private javax.swing.JComboBox<String> cmbkatagoridokumen;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JLabel jLabel9;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTable tabledokumen;
    private javax.swing.JTextField txtcari;
    private javax.swing.JTextField txtdeskripsi;
    private javax.swing.JTextField txtkodedokumen;
    private javax.swing.JTextField txtlokasi;
    private javax.swing.JTextField txtnamadokumen;
    private javax.swing.JTextField txttanggal;

}

```

- JFrane login



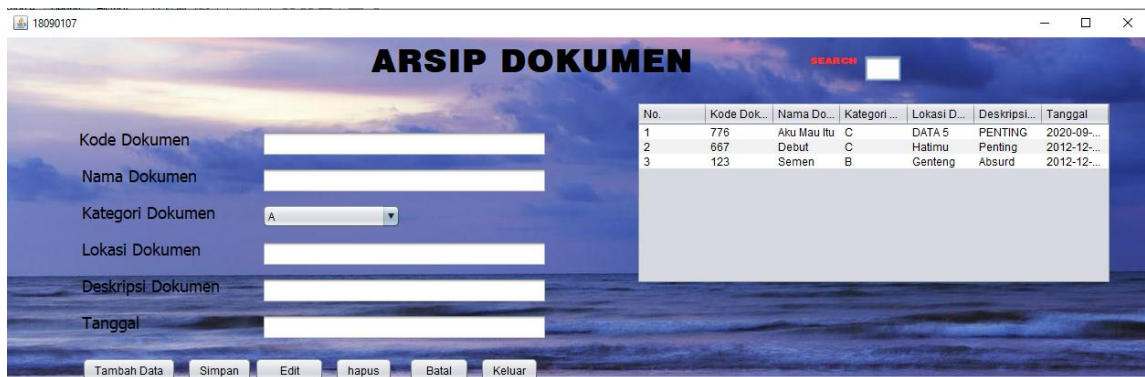
**FORM LOGIN ARSIP**

**USERNAME**

**PASSWORD**

**LOGIN**

- Hasil login



**ARSIP DOKUMEN**

SEARCH

Kode Dokumen

Nama Dokumen

Kategori Dokumen

Lokasi Dokumen

Deskripsi Dokumen

Tanggal

No.	Kode Dok...	Nama Do...	Kategori ...	Lokasi D...	Deskripsi...	Tanggal
1	776	Aku Mau Itu	C	DATA 5	PENTING	2020-09-...
2	667	Debut	C	Hatimu	Penting	2012-12-...
3	123	Semen	B	Genteng	Absurd	2012-12-...

Tambah Data Simpan Edit hapus Batal Keluar

- Tambah data

No.	Kode Dok...	Nama Do...	Kategori ...	Lokasi D...	Deskripsi...	Tanggal
1	776	Aku Mau Itu	C	DATA 5	PENTING	2020-09-...
2	667	Debut	C	Hatimu	Penting	2012-12-...
3	123	Semen	B	Genteng	Absurd	2012-12-...

- Edit data

No.	Kode Dok...	Nama Do...	Kategori ...	Lokasi D...	Deskripsi...	Tanggal
1	776	Aku Mau Itu	C	DATA 5	PENTING	2020-09-...
2	667	Debut	C	Hatimu	Penting	2012-12-...
3	123	Semen	B	Genteng12	Absurd	2012-12-...
4	101	Bima Ma...	A	Lorong Y...	Darurat	2019-02-...

- Hapus data

No.	Kode Dok...	Nama Do...	Kategori ...	Lokasi D...	Deskripsi...	Tanggal
1	776	Aku Mau Itu	C	DATA 5	PENTING	2020-09-...
2	667	Debut	C	Hatimu	Penting	2012-12-...
3	123	Semen	B	Genteng12	Absurd	2012-12-...
4	101	Bima Ma...	A	Lorong Y...	Darurat	2019-02-...

Link GitHub : [https://github.com/DannyPradana26/UTS\\_PK2](https://github.com/DannyPradana26/UTS_PK2)