PEMROGRAMAN KOMPUTER 2

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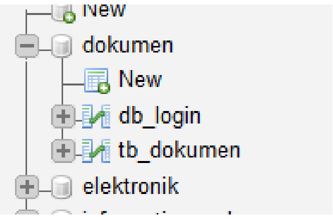
POLITEKNIK HARAPAN BERSAMA

TEGAL

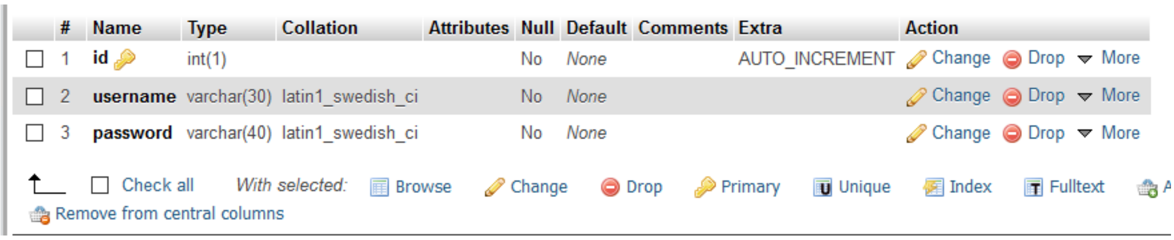
MEMBUAT MANUAL BOOK ARSIP DOKUMENTASI

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



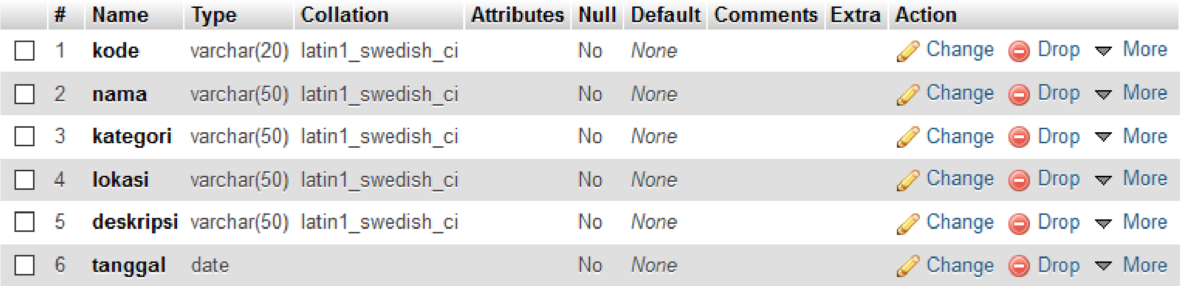
New
dokumen
New
db_login
tb_dokumen
elektronik

- Bagian db_login :



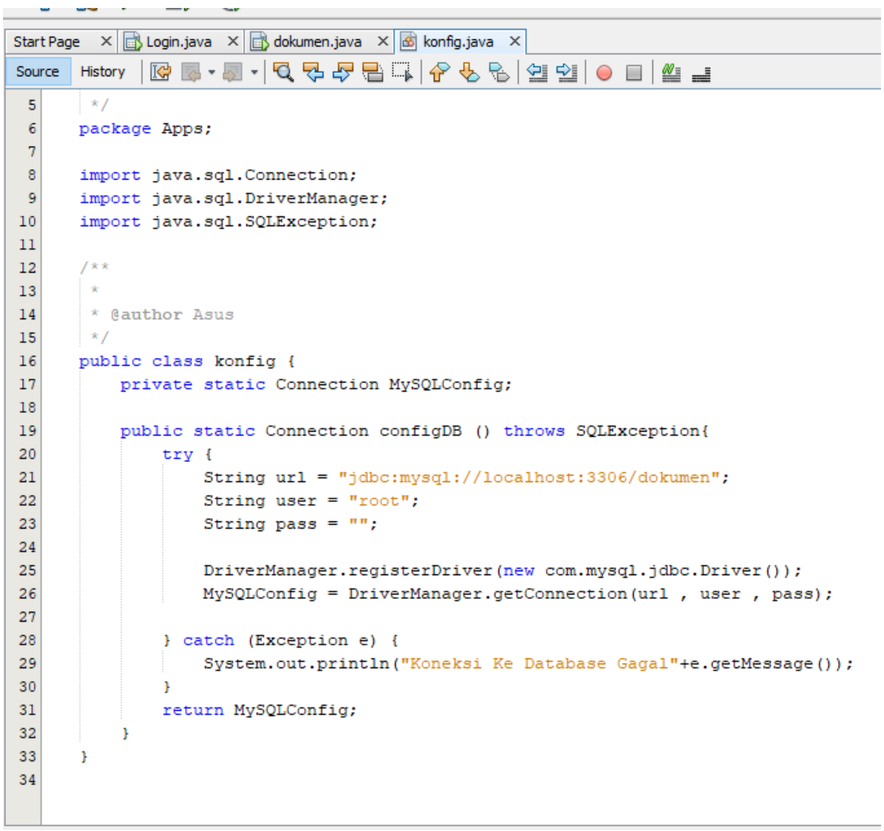
	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
□	1	**id**	int(1)			No	*None*		AUTO_INCREMENT	Change Drop More
□	2	**username**	varchar(30)	latin1_swedish_ci		No	*None*			Change Drop More
□	3	**password**	varchar(40)	latin1_swedish_ci		No	*None*			Change Drop More

- Bagian tb_dokumen :



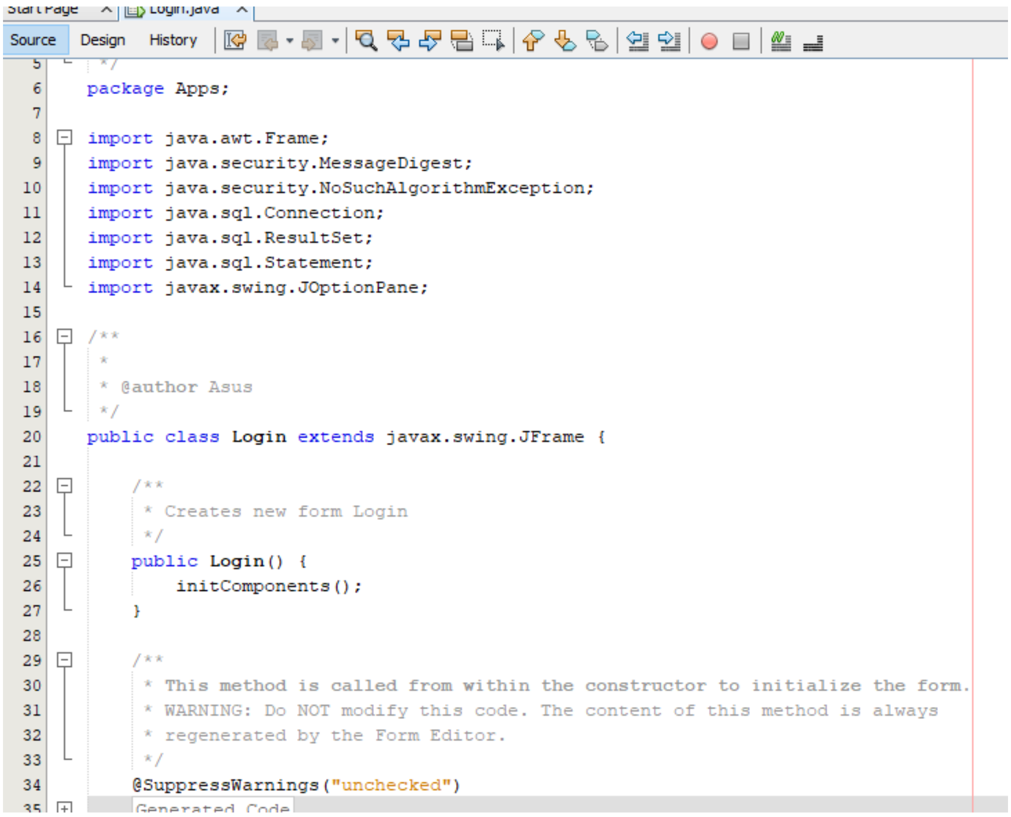
	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
□	1	**kode**	varchar(20)	latin1_swedish_ci		No	*None*			Change Drop More
□	2	**nama**	varchar(50)	latin1_swedish_ci		No	*None*			Change Drop More
□	3	**kategori**	varchar(50)	latin1_swedish_ci		No	*None*			Change Drop More
□	4	**lokasi**	varchar(50)	latin1_swedish_ci		No	*None*			Change Drop More
□	5	**deskripsi**	varchar(50)	latin1_swedish_ci		No	*None*			Change Drop More
□	6	**tanggal**	date			No	*None*			Change Drop More

2. Menyiapkan Project
   - ➢ Buka Netbeans, kemudian buat project baru dengan nama Dokumen
   - ➢ Setelah membuat project baru, buatlah package baru dengan nama Apps
3. Membuat kelas
   - ➢ Buat class konfig dan buat Jframe Login dokumen
   - ➢ Class konfig untuk menyambungkan data base, kemudian di class konfig di isi : package Apps;

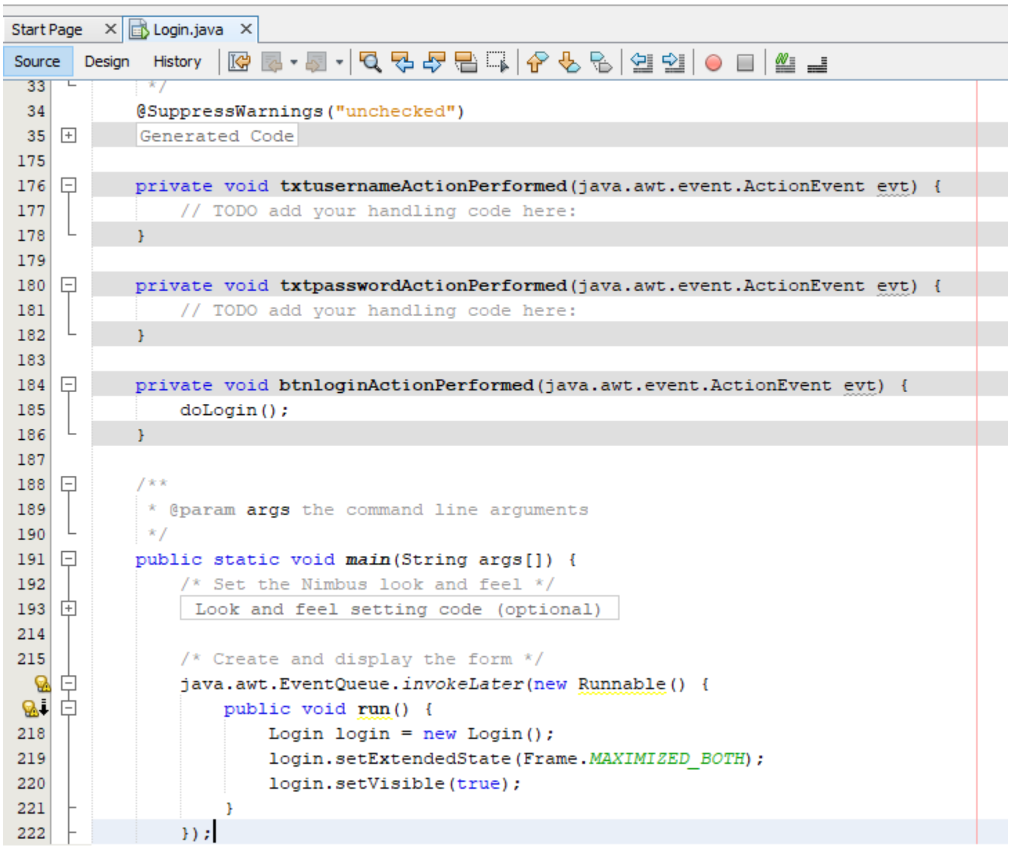


```
 */
package Apps;

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

/**
 *
 * @author Asus
 */
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;
    }
}

```

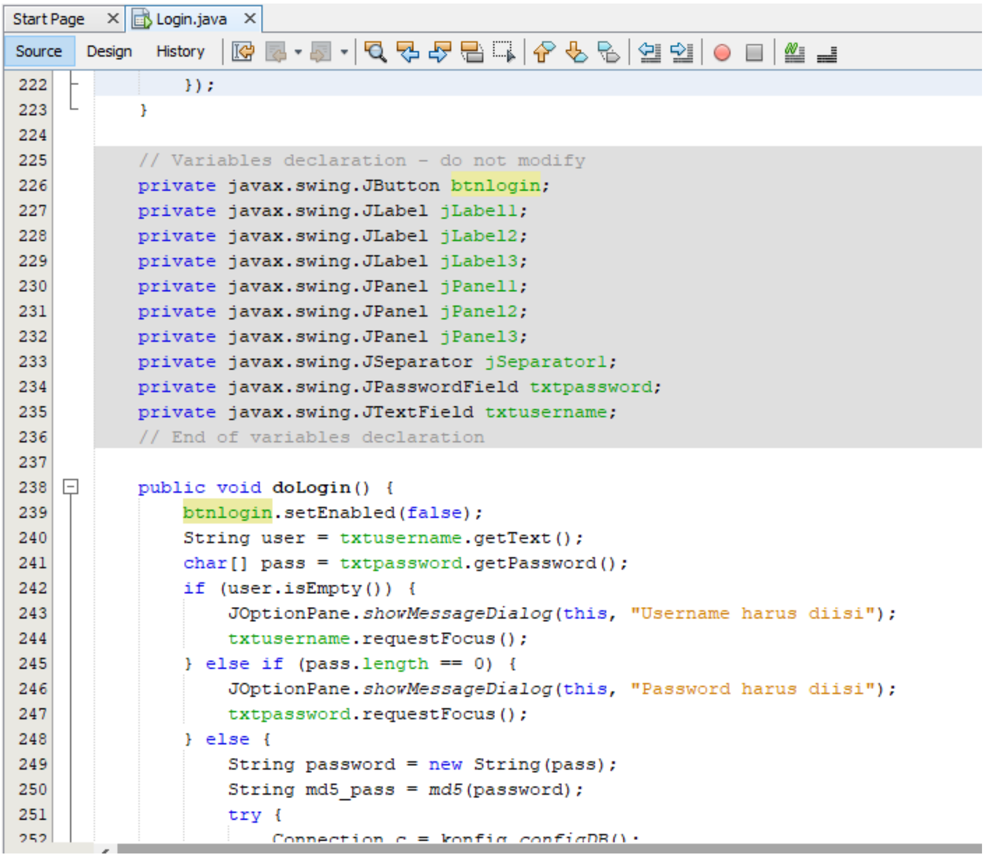
- Package Apps Login



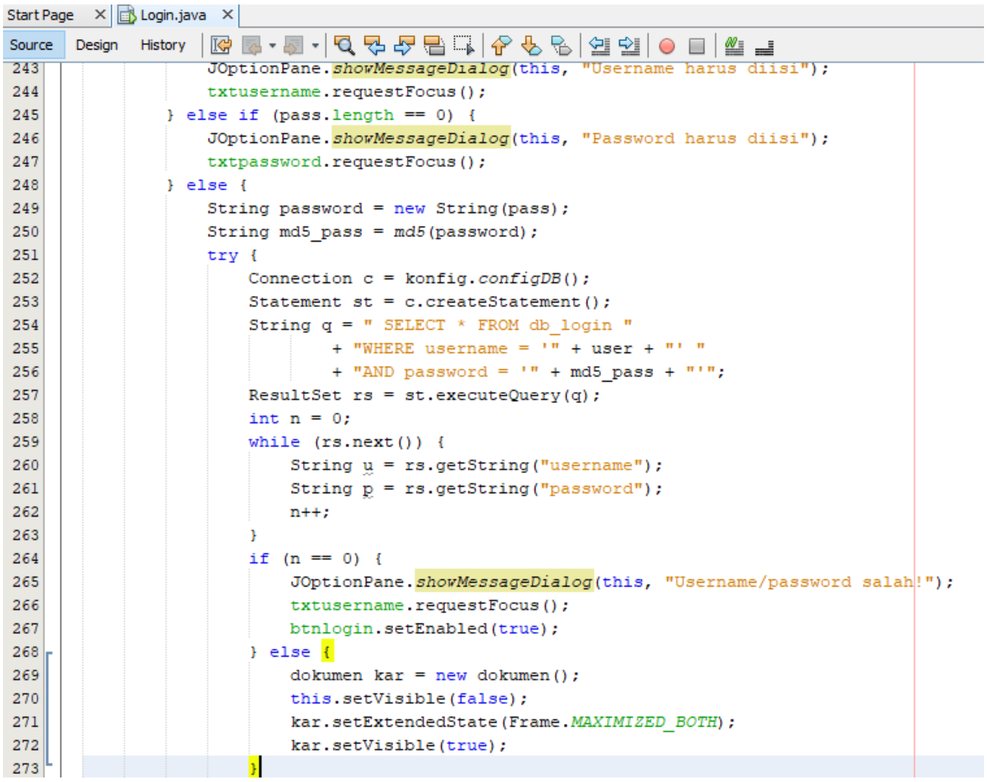
```
 */
package Apps;

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;

/**
 *
 * @author Asus
 */
public class Login extends javax.swing.JFrame {

    /**
     * Creates new form Login
     */
    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")
    Generated Code
```



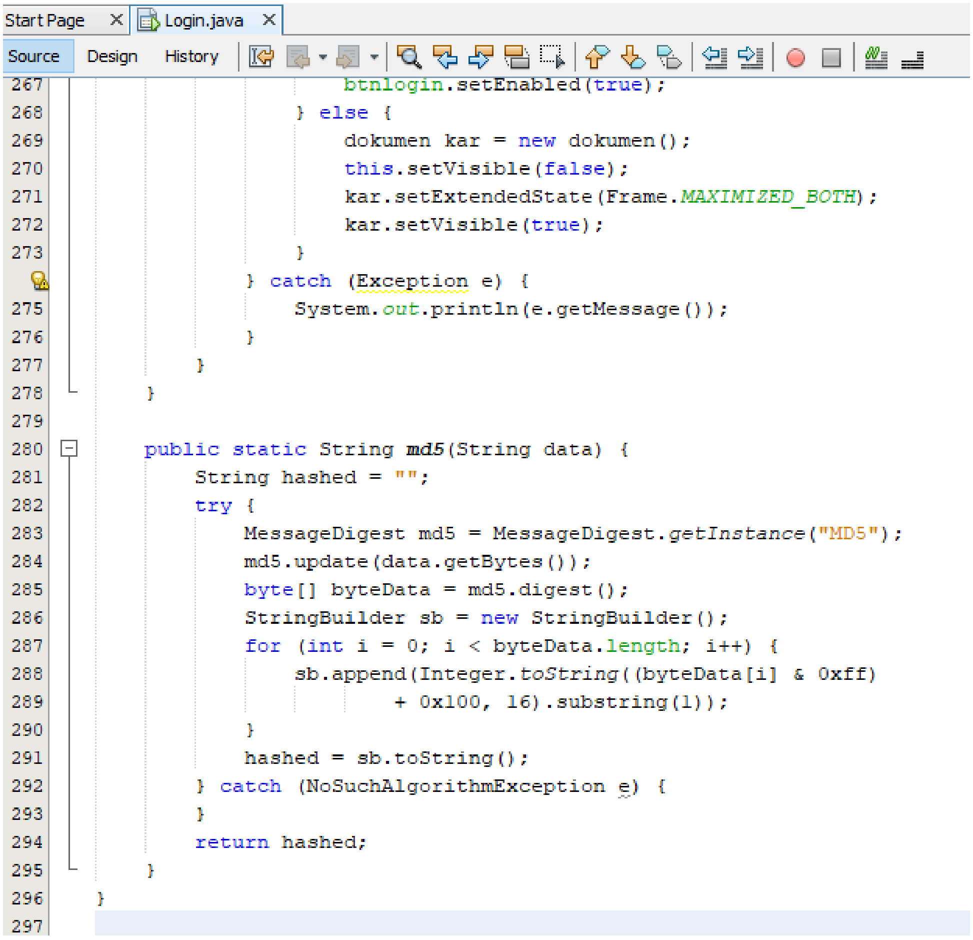
```
     */
    @SuppressWarnings("unchecked")
    Generated Code

    private void txtusernameActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtpasswordActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    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 */
        Look and feel setting code (optional)

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                Login login = new Login();
                login.setExtendedState(Frame.MAXIMIZED_BOTH);
                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.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;
    // End of variables declaration

    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();
```

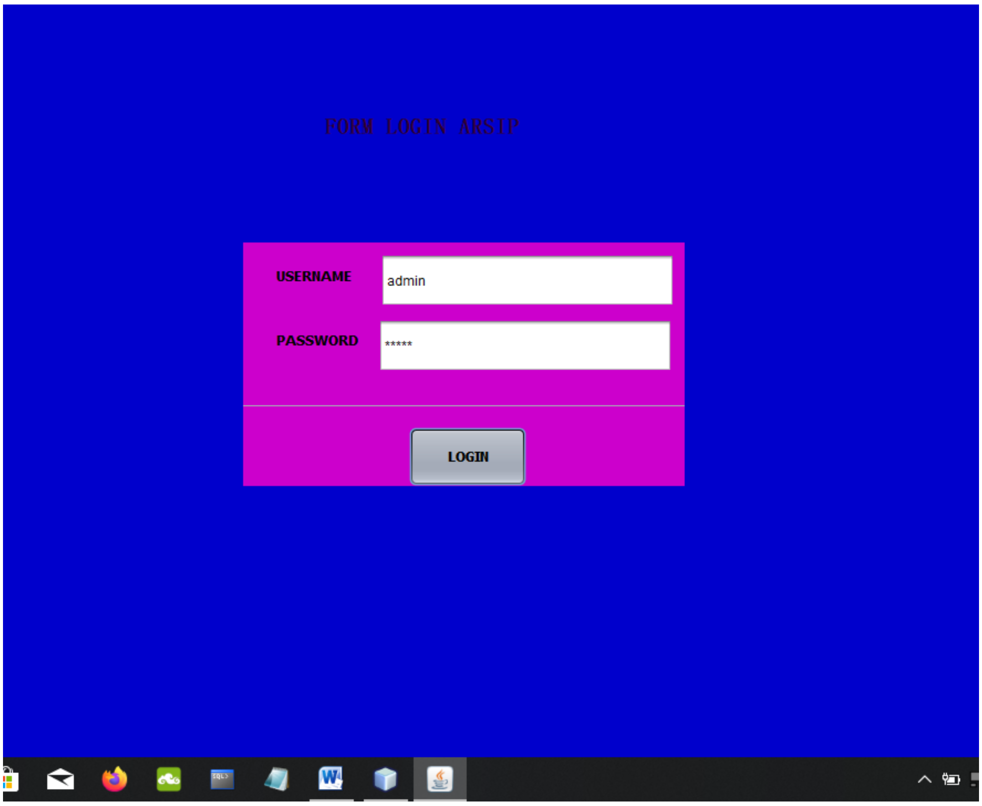


```
            JOptionPane.showMessageDialog(this, "Username harus diisi");
            txtusername.requestFocus();
        } else if (pass.length == 0) {
            JOptionPane.showMessageDialog(this, "Password harus diisi");
            txtpassword.requestFocus();
        } else {
            String 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);
                }
```



```
                    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;
    }
}
```

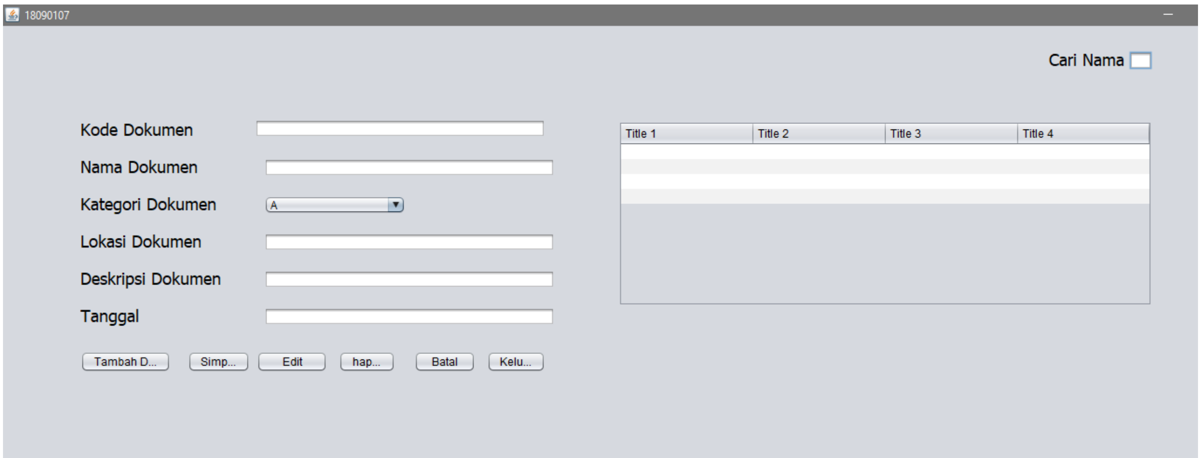
- Hasil Project Login



USERNAME admin

PASSWORD *****

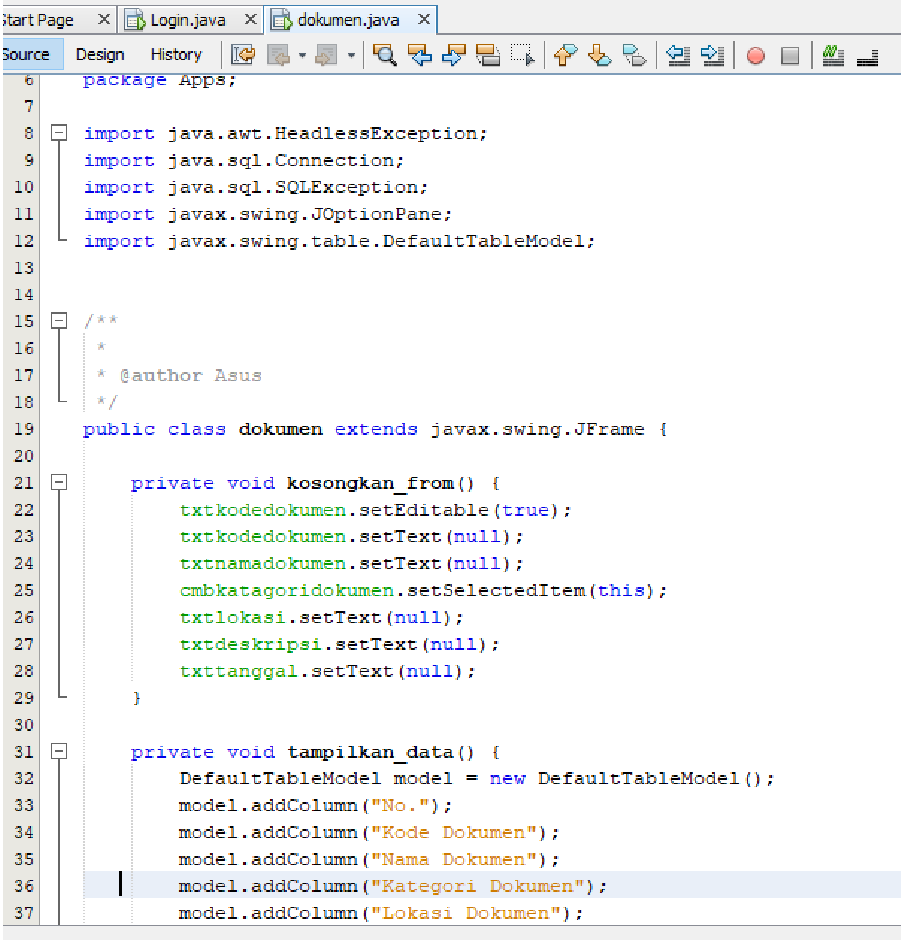
- Membuat Jframe Dokumen



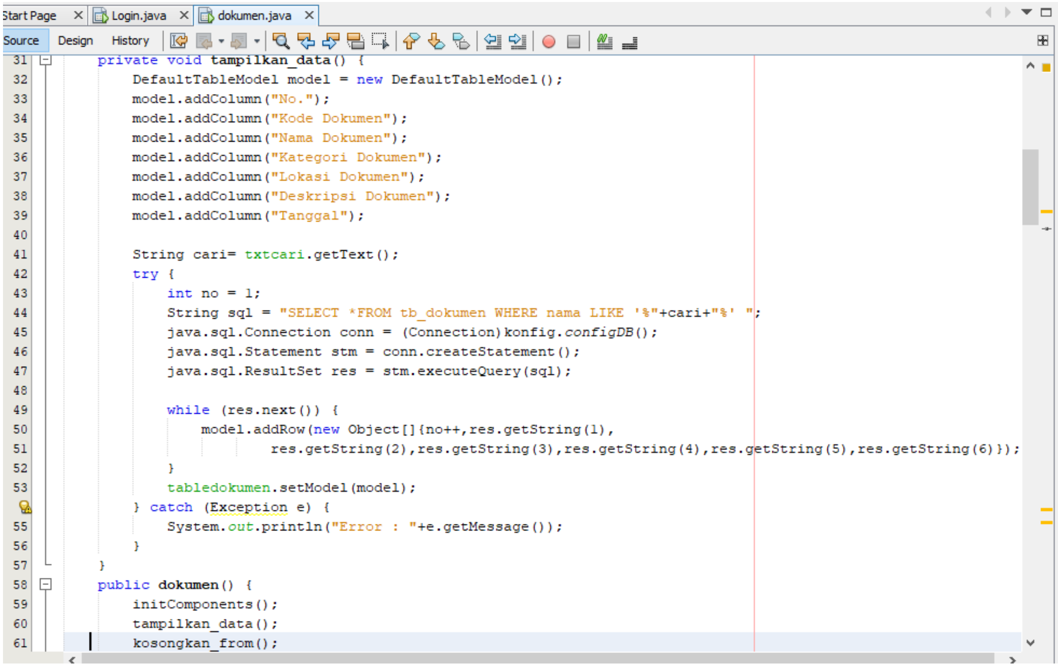
Kategori Dokumen: A

Title 1	Title 2	Title 3	Title 4

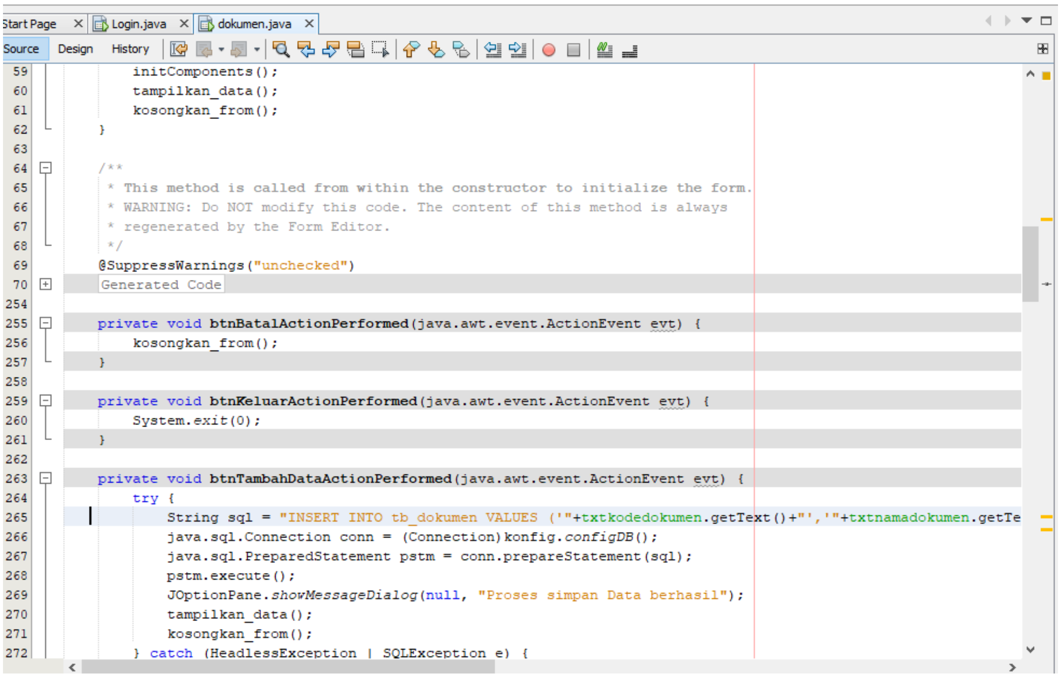
- Package App Dokumen



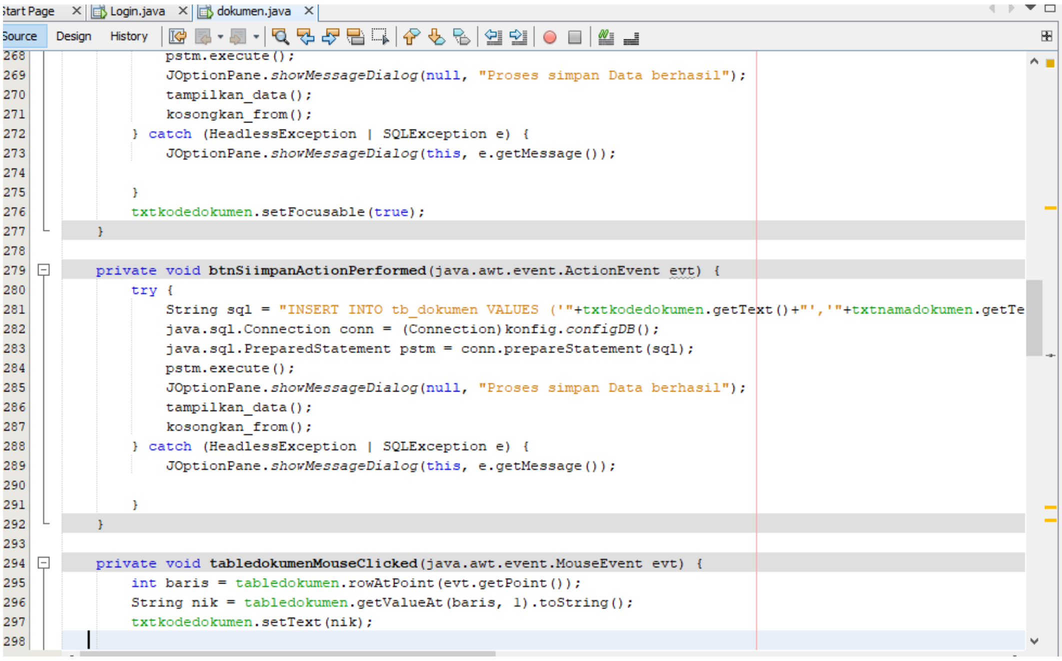
```java
package Apps;

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


/**
 *
 * @author Asus
 */
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");
```



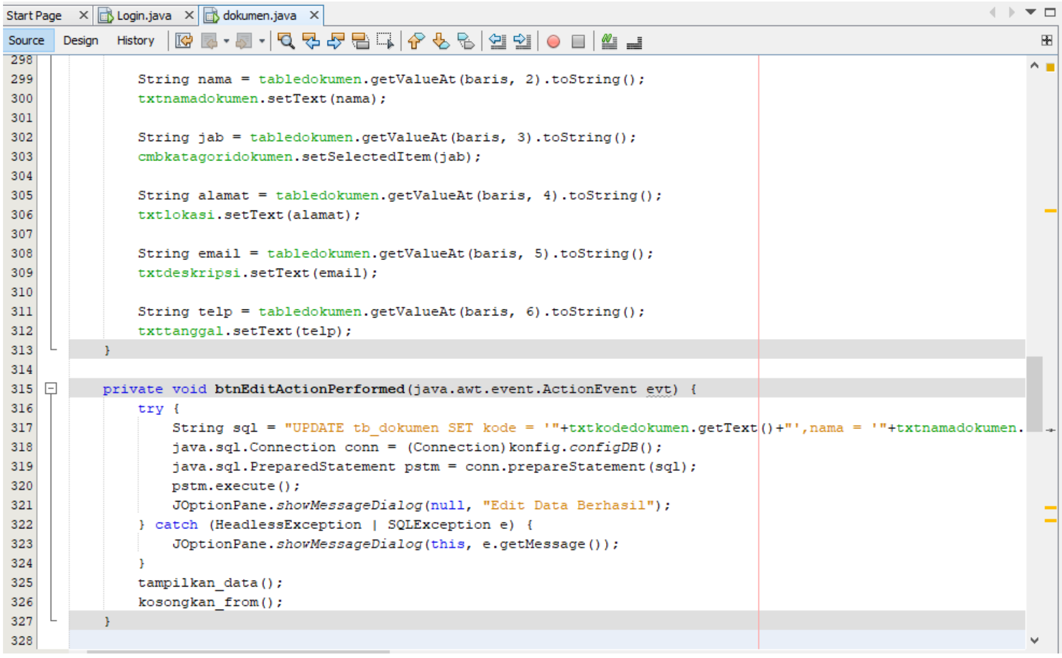
```java
    private void tampilkan_data() {
        DefaultTableModel model = new DefaultTableModel();
        model.addColumn("No.");
        model.addColumn("Kode Dokumen");
        model.addColumn("Nama Dokumen");
        model.addColumn("Kategori Dokumen");
        model.addColumn("Lokasi Dokumen");
        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();
```



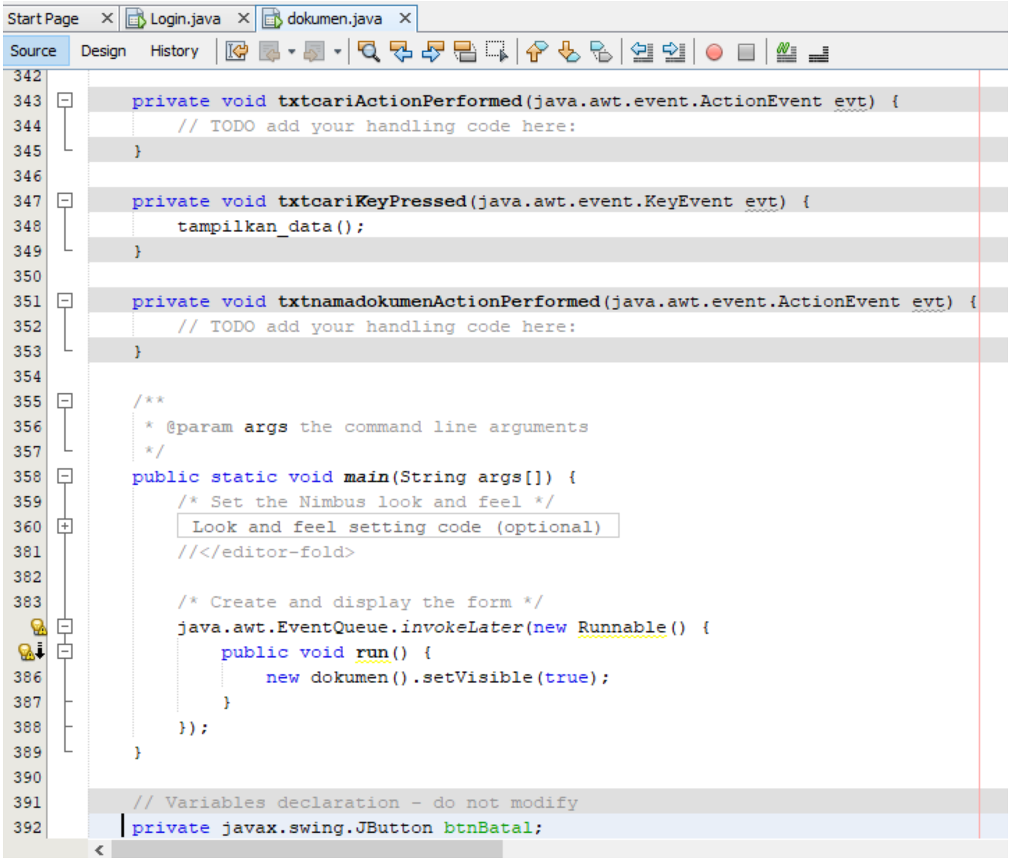
```java
        initComponents();
        tampilkan_data();
        kosongkan_from();
    }

    /**
     * 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")
    Generated Code

    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.getTe
            java.sql.Connection conn = (Connection)konfig.configDB();
            java.sql.PreparedStatement pstm = conn.prepareStatement(sql);
            pstm.execute();
            JOptionPane.showMessageDialog(null, "Proses simpan Data berhasil");
            tampilkan_data();
            kosongkan_from();
        } catch (HeadlessException | SQLException e) {
```



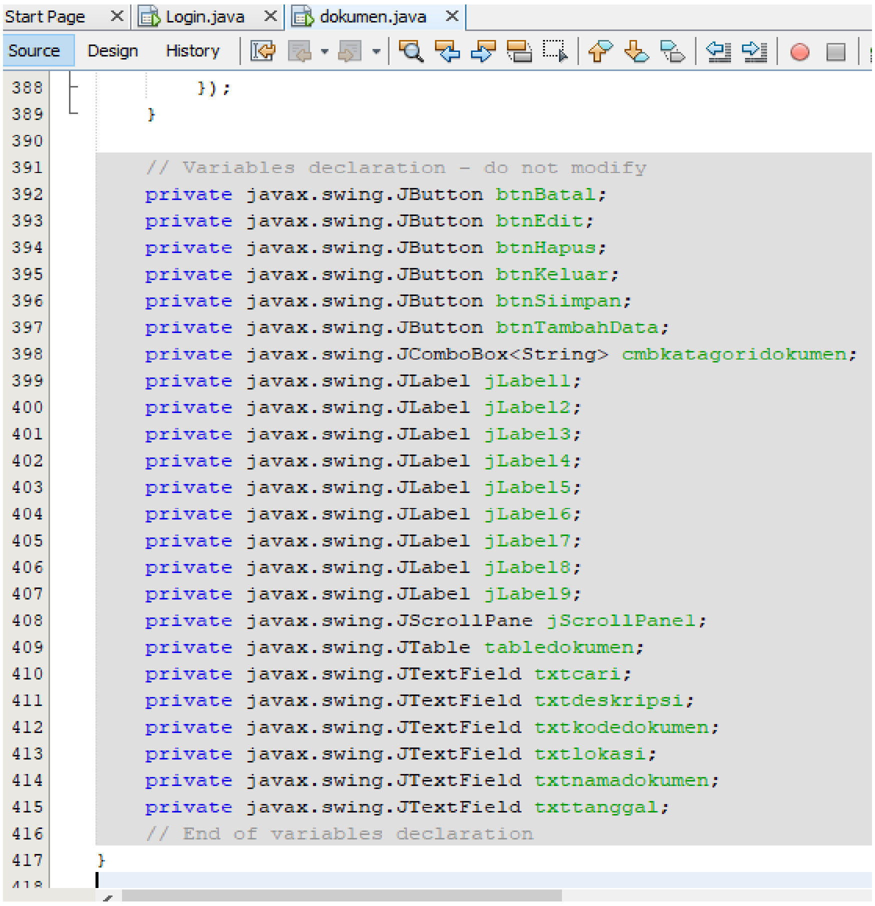
```java
            pstm.execute();
            JOptionPane.showMessageDialog(null, "Proses simpan Data berhasil");
            tampilkan_data();
            kosongkan_from();
        } catch (HeadlessException | SQLException e) {
            JOptionPane.showMessageDialog(this, e.getMessage());

        }
        txtkodedokumen.setFocusable(true);
    }

    private void btnSiimpanActionPerformed(java.awt.event.ActionEvent evt) {
        try {
            String sql = "INSERT INTO tb_dokumen VALUES ('"+txtkodedokumen.getText()+"','"+txtnamadokumen.getTe
            java.sql.Connection conn = (Connection)konfig.configDB();
            java.sql.PreparedStatement pstm = conn.prepareStatement(sql);
            pstm.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);

```



```java
        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.
            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();
    }
```

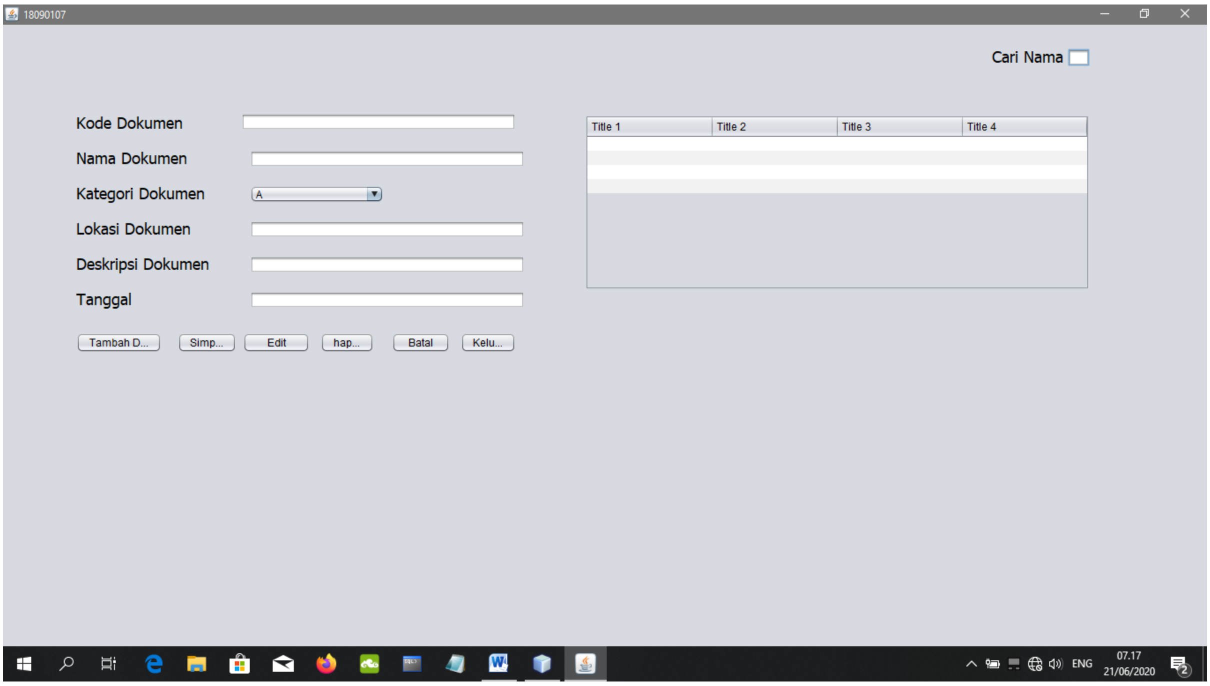


```java
    private void txtcariActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

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

    private void txtnamadokumenActionPerformed(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 */
        Look and feel setting code (optional)
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new dokumen().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton btnBatal;
```



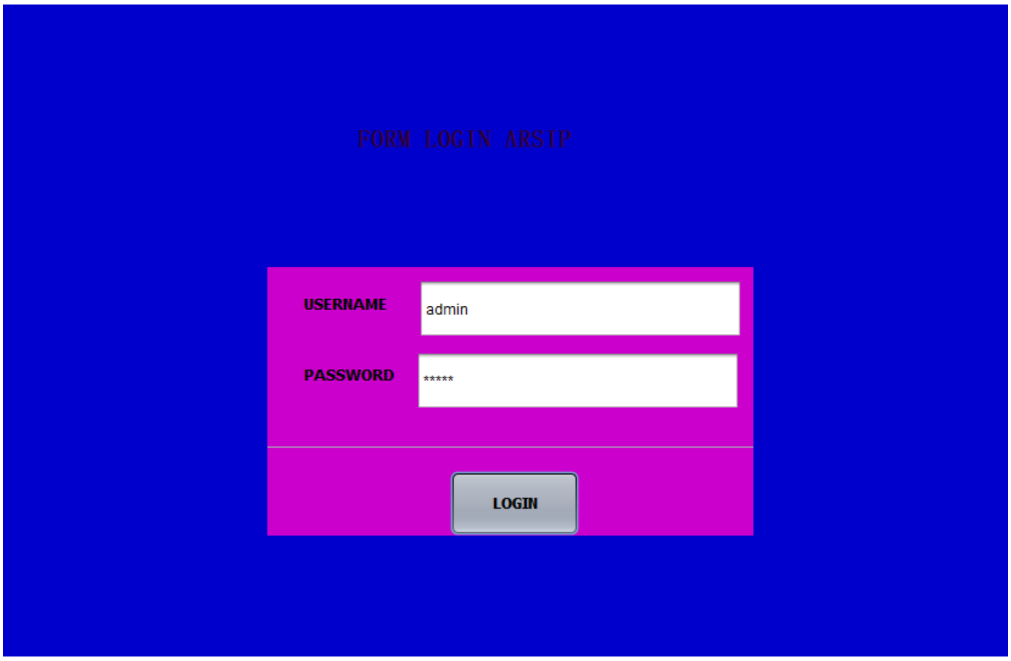
```
                });
        }

    // Variables declaration - do not modify
    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;
    // End of variables declaration
}
```

- Hasil Codingan



4. Hasil Uji Coba

- Jframe Login

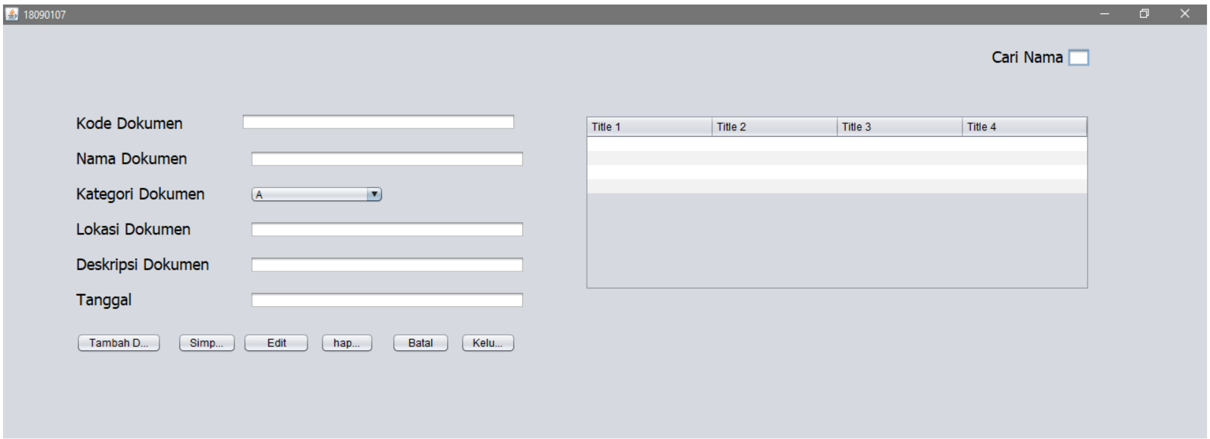


FORM LOGIN ARSIP

USERNAME admin

PASSWORD *****

- Hasil Login



Kode Dokumen

Nama Dokumen

Kategori Dokumen A

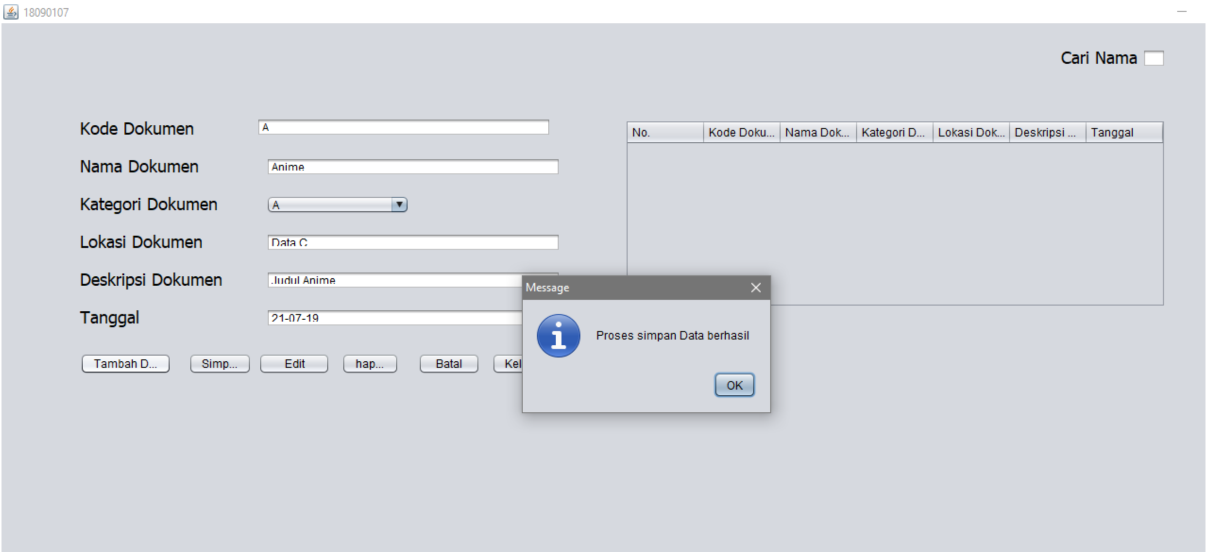
Lokasi Dokumen

Deskripsi Dokumen

Tanggal

Title 1	Title 2	Title 3	Title 4

- Tambah Data

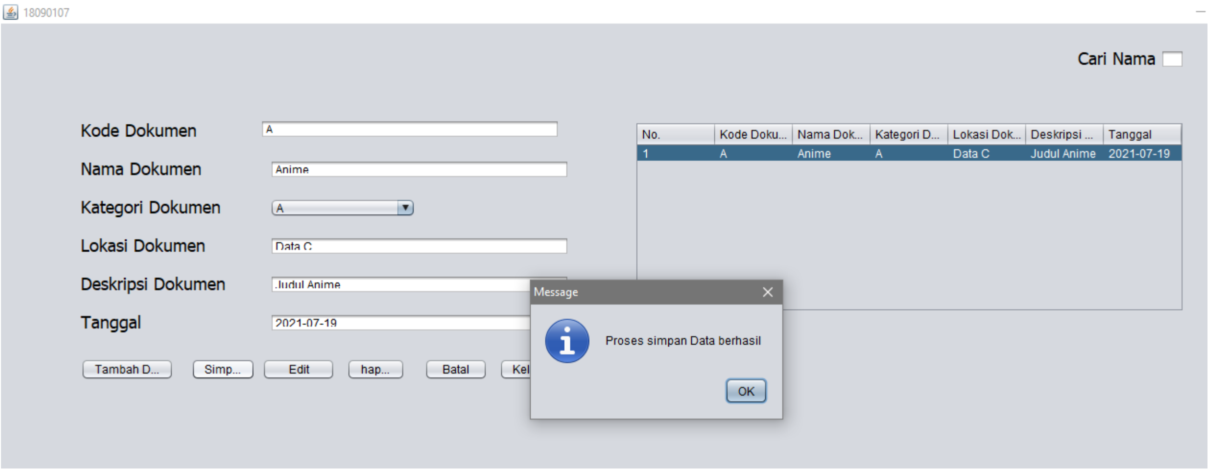


Kode Dokumen: A
Nama Dokumen: Anime
Kategori Dokumen: A
Lokasi Dokumen: Data C
Deskripsi Dokumen: Judul Anime
Tanggal: 21-07-19

No.	Kode Doku...	Nama Dok...	Kategori D...	Lokasi Dok...	Deskripsi ...	Tanggal

Proses simpan Data berhasil

- ❖ Simpan Data

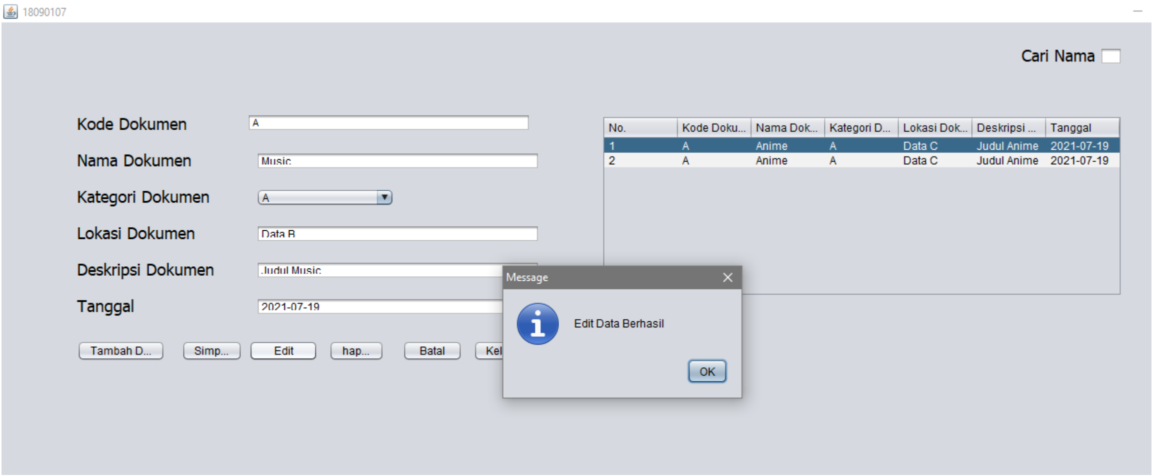


Kode Dokumen: A
Nama Dokumen: Anime
Kategori Dokumen: A
Lokasi Dokumen: Data C
Deskripsi Dokumen: Judul Anime
Tanggal: 2021-07-19

No.	Kode Doku...	Nama Dok...	Kategori D...	Lokasi Dok...	Deskripsi ...	Tanggal
1	A	Anime	A	Data C	Judul Anime	2021-07-19

Proses simpan Data berhasil

- ❖ Edit Data

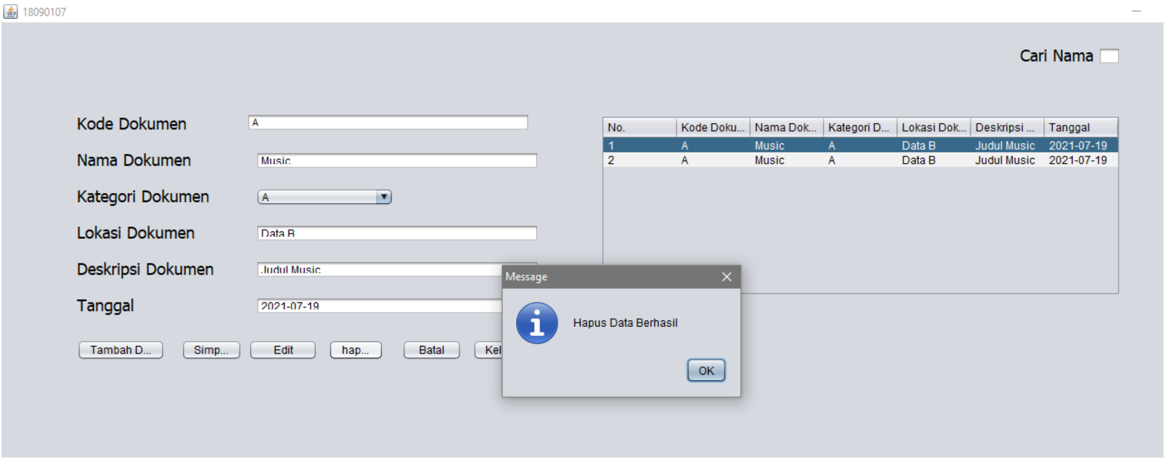


Kode Dokumen: A
Nama Dokumen: Music
Kategori Dokumen: A
Lokasi Dokumen: Data B
Deskripsi Dokumen: Judul Music
Tanggal: 2021-07-19

No.	Kode Doku...	Nama Dok...	Kategori D...	Lokasi Dok...	Deskripsi ...	Tanggal
1	A	Anime	A	Data C	Judul Anime	2021-07-19
2	A	Anime	A	Data C	Judul Anime	2021-07-19

Edit Data Berhasil

- Hapus Data



Kode Dokumen: A

Nama Dokumen: Music

Kategori Dokumen: A

Lokasi Dokumen: Data B

Deskripsi Dokumen: Judul Music

Tanggal: 2021-07-19

No.	Kode Doku...	Nama Dok...	Kategori D...	Lokasi Dok...	Deskripsi ...	Tanggal
1	A	Music	A	Data B	Judul Music	2021-07-19
2	A	Music	A	Data B	Judul Music	2021-07-19

Hapus Data Berhasil