

Nama : Viona Paramitha

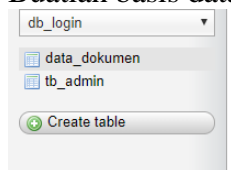
Kelas : 4B

NIM : 18090097

MANUAL BOOK ARSIP DOKUMENTASI

1. Membuat Database

- Buka xampp, lalu aktifkan Apache dan MySQL, setelah itu pilih admin untuk masuk ke phpmyadmin.
- Buatlah basis data seperti di bawah ini:



- Buatlah tabel tb_admin pada database db_login seperti di bawah ini :

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
1	id	int(10)			No	None	AUTO_INCREMENT	Change Drop Browse distinct values Primary Unique Index More
2	username	varchar(25)	utf8_general_ci		No	None		Change Drop Browse distinct values Primary Unique Index More
3	password	varchar(40)	utf8_general_ci		No	None		Change Drop Browse distinct values Primary Unique Index More
4	last_login	varchar(25)	utf8_general_ci		No	None		Change Drop Browse distinct values Primary Unique Index More

- Buatlah tabel data_dokumen pada database db_login seperti di bawah ini :

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
1	id	int(10)			No	None	AUTO_INCREMENT	Change Drop Browse distinct values Primary Unique Index More
2	kode	varchar(11)	utf8_general_ci		No	None		Change Drop Browse distinct values Primary Unique Index More
3	nama	varchar(50)	utf8_general_ci		No	None		Change Drop Browse distinct values Primary Unique Index More
4	kategori	varchar(30)	utf8_general_ci		No	None		Change Drop Browse distinct values Primary Unique Index More
5	lokasi	varchar(150)	utf8_general_ci		No	None		Change Drop Browse distinct values Primary Unique Index More
6	deskripsi	varchar(50)	utf8_general_ci		No	None		Change Drop Browse distinct values Primary Unique Index More
7	tanggal	varchar(10)	utf8_general_ci		No	None		Change Drop Browse distinct values Primary Unique Index More

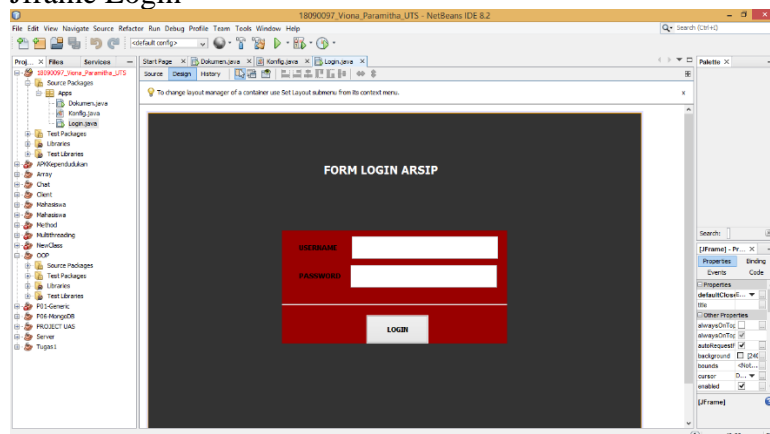
- Database selesai dibuat.

2. Menyiapkan Project

- Bukalah aplikasi Netbeans di laptop, setelah itu buat project baru dengan nama project sesuai dengan keinginan. Contoh : 18090097_Viona_Paramitha_UTS
- Selanjutnya, buat package baru dengan nama project sesuai keinginan. Contoh : Apps.

3. Membuat JFrame

- Membuat JFrame “Login” dan “Dokumen”
 - Jframe Login



- Klik Source, lalu isi dengan syntax di bawah ini :

- Import :

```
package Apps;

import com.mysql.cj.jdbc.MysqlDataSource;
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.SQLException;
import java.sql.Statement;
import javax.swing.JOptionPane;
```

-

```
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);
        }
    });
}
```

- 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;
}
```

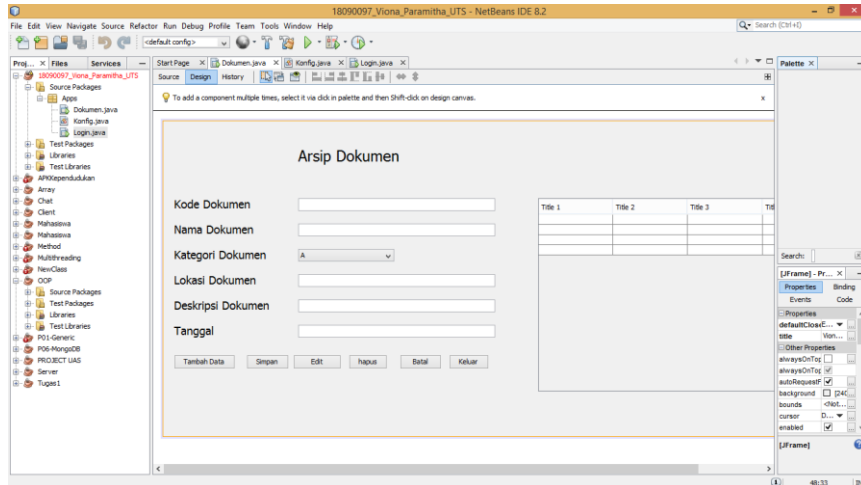
```

private void proses() {
    String user = txt_user.getText();
    char[] pass = txt_pw.getPassword();
    if(user.isEmpty()){
        JOptionPane.showMessageDialog(this, "username wajib
diisi");
        txt_pw.requestFocus();
    }else if(pass.length == 0){
        JOptionPane.showMessageDialog(this, "password harus diisi");
        txt_pw.requestFocus();
    }else{
        String password = new String(pass);
        btn_login.setEnabled(false);
        try {
            Connection cn =
DriverManager.getConnection("jdbc:mysql://localhost/db_login",
"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()){
                Dokumen d = new Dokumen();
                d.setExtendedState(Frame.MAXIMIZED_BOTH);
                this.setVisible(false);
                d.setVisible(true);
            }else{
                JOptionPane.showMessageDialog(this, "username atau
password salah!");
                txt_user.requestFocus();
            }
            btn_login.setEnabled(true);
        } catch (Exception e) {
            JOptionPane.showMessageDialog(this, e.getMessage());
        }
    }
}
}

```

- Pada jButton Login, isikan syntax :
proses():

- Membuat JFrame Dokumen



- Selanjutnya, isikan syntax :
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_form() {
        txt_kode.setEditable(true);
        txt_kode.setText(null);
        txt_nama.setText(null);
        cmb_kategori.setSelectedItem(this);
        txt_lokasi.setText(null);
        txt_desc.setText(null);
        txt_tgl.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 data_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(2),
res.getString(3),res.getString(4),res.getString(5),res.getString(6),res.getString(
7)}));
    }
    tbl_dok.setModel(model);
} catch (Exception e) {
    System.out.println("Error : " + e.getMessage());
}
}
public Dokumen() {
    initComponents();
    tampilkan_data();
    kosongkan_form();
}

```

- Klik dua kali pada jButton batal, lalu isi syntax :

```
private void btn_batalActionPerformed(java.awt.event.ActionEvent evt) {
    kosongkan_form();
}
```

- Klik dua kali pada jButton keluar, lalu isi syntax :

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

- Klik dua kali pada jButton tambah, lalu isi syntax :

```
private void btn_tambahActionPerformed(java.awt.event.ActionEvent evt)
{
    try {
        String sql = "INSERT INTO data_dokumen VALUES (NULL,'" +
txt_kode.getText() + "','" + txt_nama.getText() + "','" +
cmb_kategori.getSelectedItem() + "','" + txt_lokasi.getText() + "','" +
txt_desc.getText() + "','" + txt_tgl.getText() + "')";
        System.out.println(sql);
        java.sql.Connection conn = (Connection)Konfig.configDB();
```

```

        java.sql.PreparedStatement pstmt = conn.prepareStatement(sql);
        pstmt.execute();
        JOptionPane.showMessageDialog(null, "Proses Menyimpan Data
        Berhasil!");
        tampilkan_data();
        kosongkan_form();
    } catch (HeadlessException | SQLException e) {
        JOptionPane.showMessageDialog(this, e.getMessage());
    }
    txt_kode.setFocusable(true);
}

```

- Klik dua kali pada jButton simpan, lalu isi syntax :


```

private void btn_simpanActionPerformed(java.awt.event.ActionEvent
evt) {
    try {
        String sql = "INSERT INTO data_dokumen VALUES
        (NULL,'" + txt_kode.getText() + "','" + txt_nama.getText() + "','" +
        cmb_kategori.getSelectedItem() + "','" + txt_lokasi.getText() + "','" +
        txt_desc.getText() + "','" + txt_tgl.getText() + "')";
        System.out.println(sql);
        java.sql.Connection conn = (Connection)Konfig.configDB();
        java.sql.PreparedStatement pstmt = conn.prepareStatement(sql);
        pstmt.execute();
        JOptionPane.showMessageDialog(null, "Proses Menyimpan
        Data Berhasil");
        tampilkan_data();
        kosongkan_form();
    } catch (HeadlessException | SQLException e) {
        JOptionPane.showMessageDialog(this, e.getMessage());
    }
}

```
- Pada tabel tbl_dok, klik kanan => event => Mouse => MouseClicked.
 Isi syntax :


```

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

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

    String jab = tbl_dok.getValueAt(baris, 3).toString();
    cmb_kategori.setSelectedItem(jab);
}

```

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

```
String email = tbl_dok.getValueAt(baris, 5).toString();
txt_desc.setText(email);
```

```
String telp = tbl_dok.getValueAt(baris, 6).toString();
txt_tgl.setText(telp);
}
```

- Klik dua kali pada jButton edit, lalu isi syntax :

```
private void btn_editActionPerformed(java.awt.event.ActionEvent evt)
{
    try {
        String sql = "INSERT INTO data_dokumen VALUES
(
NULL,'" + txt_kode.getText() + "','" + txt_nama.getText() + "','" +
cmb_kategori.getSelectedItem() + "','" + txt_lokasi.getText() + "','" +
txt_desc.getText() + "','" + txt_tgl.getText() + "')";
        System.out.println(sql);
        java.sql.Connection conn = (Connection)Konfig.configDB();
        java.sql.PreparedStatement pstm = conn.prepareStatement(sql);
        pstm.execute();
        JOptionPane.showMessageDialog(null, "Ubah Data Berhasil");
    } catch (HeadlessException | SQLException e) {
        JOptionPane.showMessageDialog(this, e.getMessage());
    }
    tampilkan_data();
    kosongkan_form();
}
```
- Klik dua kali pada jButton hapus, isikan syntax :

```
private void btn_hapusActionPerformed(java.awt.event.ActionEvent
evt) {
    try {
        String sql = "DELETE FROM data_dokumen WHERE kode =
'" + txt_kode.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_form();
}
```
- Pada kolom txt_cari, klik kanan => event => key => keyPressed

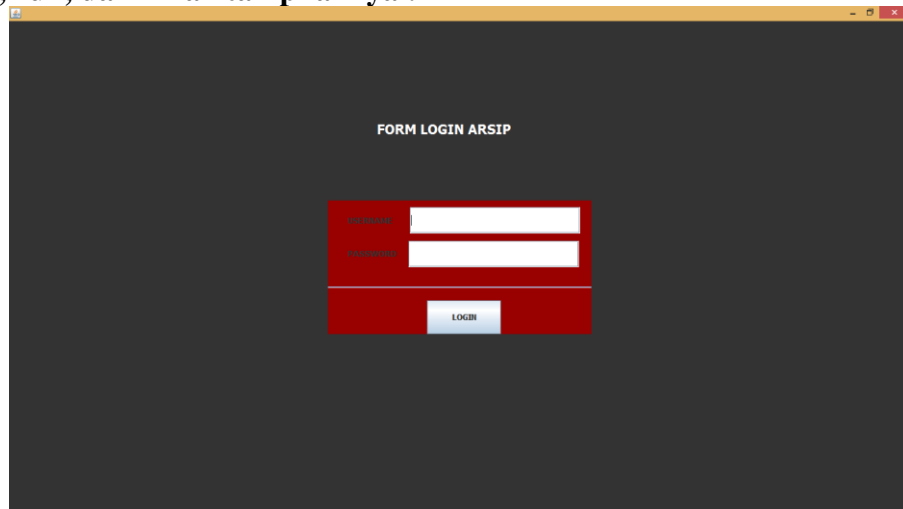
```
private void txtcariKeyPressed(java.awt.event.KeyEvent evt) {
    tampilkan_data();
}
```

```
}
```

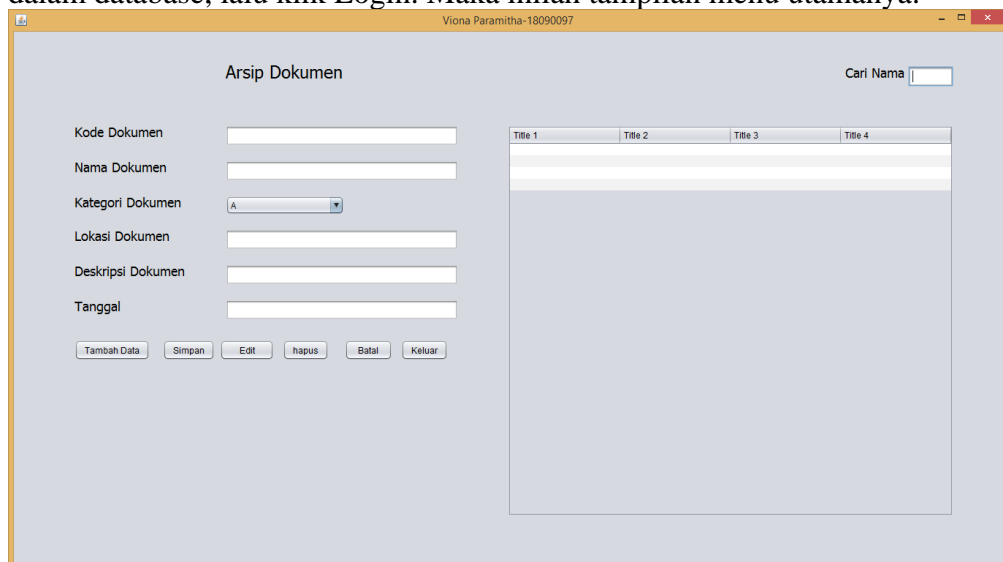
- Scroll ke paling bawah, isikan syntax :

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

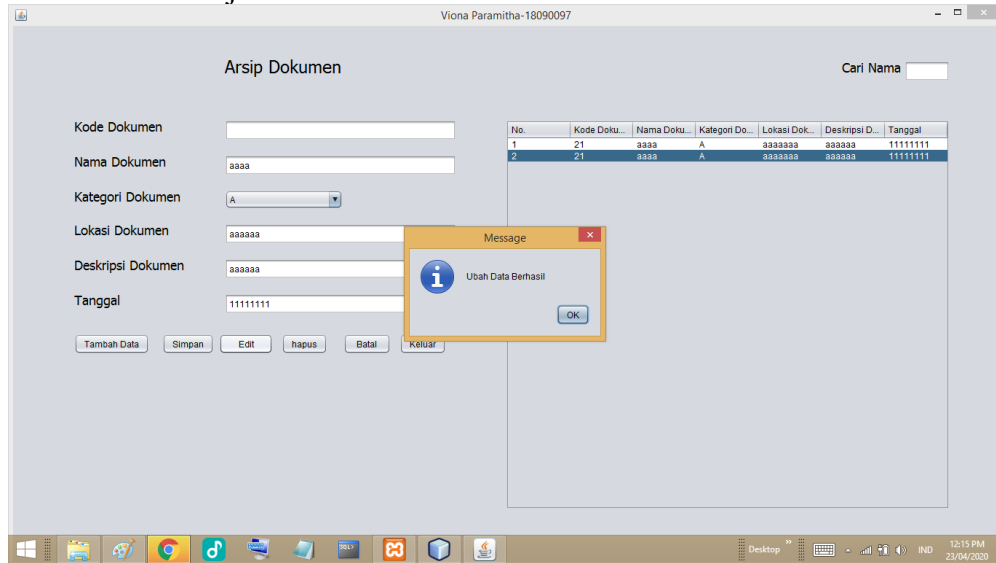
4. Selesai, run, dan inilah tampilannya :



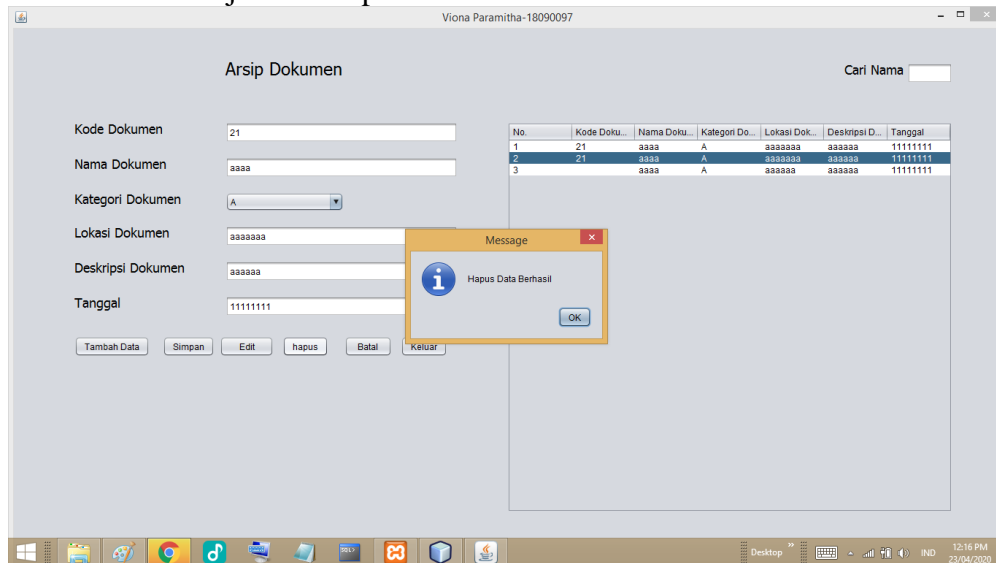
- Masukkan username dan password sesuai dengan yang sudah dimasukkan ke dalam database, lalu klik Login. Maka inilah tampilan menu utamanya.



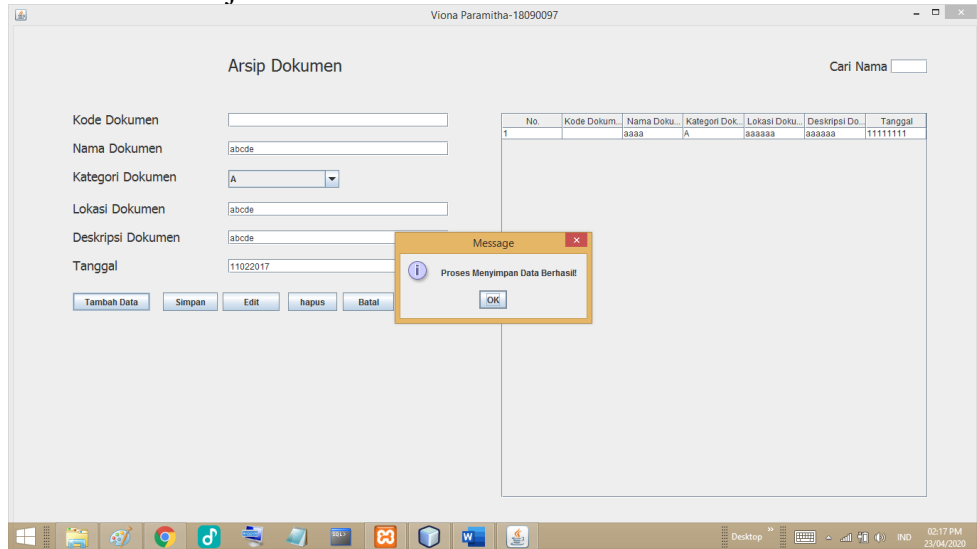
- Contoh dari aksi jButton edit :



- Contoh dari aksi jButton hapus :



- Contoh dari aksi jButton tambah :



Hasilnya adalah data nomor 2

