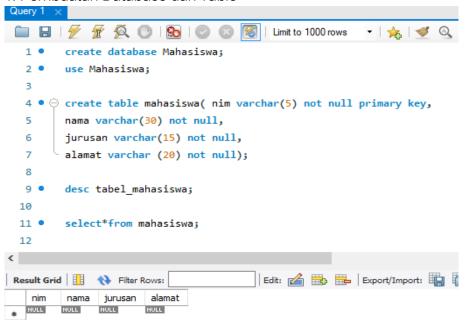
Nama: Sitti Ajriana A

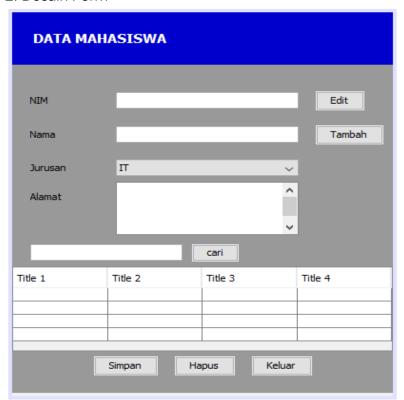
Kelas: B1

Stambuk: 13020180051

1. Pembuatan Database dan Table



2. Desain Form



3. Source Code:

Untuk mengkoneksikan ke database

```
package koneksi;
import com.mysql.jdbc.Driver;
 import java.sql.DriverManager;
 import javax.swing.JOptionPane;
import java.sql.Connection;
import java.sql.SQLException;
- /**
 * @author user
*/
  public class konek {
     static Connection Koneksi;
     public static Connection getConnection() {
           Koneksi = DriverManager.getConnection("jdbc:mysql://localhost/Mahasiswa", "root", "");
        }catch (Exception t) {
            JOptionPane.showMessageDialog(null, "Koneksi Gagal!");
        return Koneksi;
import com.mysql.jdbc.Statement;
  import java.awt.HeadlessException;
  import java.sql.Connection;
  import java.sql.DriverManager;
  import java.sql.ResultSet;
  import java.sql.SQLException;
  import java.util.logging.Level;
  import java.util.logging.Logger;
  import javax.swing.JOptionPane;
  import koneksi.konek;
  import javax.swing.table.DefaultTableModel;
```

```
public class Form extends javax.swing.JFrame {
    public Form() {
       initComponents();
       datatable();
    private void datatable(){
        DefaultTableModel tbl = new DefaultTableModel();
        tbl.addColumn("NIM");
        tbl.addColumn("Nama");
        tbl.addColumn("Jurusan");
        tbl.addColumn("Alamat");
        table.setModel(tbl);
            Statement statement = (Statement) konek.getConnection().createStatement();
            ResultSet res = statement.executeQuery("select * from mahasiswa");
            while(res.next()){
                tbl.addRow(new Object[]{
                res.getString("nim"),
                res.getString("nama"),
                res.getString("jurusan"),
                res.getString("alamat"),
            });
                table.setModel(tbl);
    }catch (Exception e) {
        JOptionPane.showMessageDialog(rootPane, "Gagal");
    }
    }
```

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

```
private void btneditActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if (btnedit.getText() == "btnedit") {
        txtnim.requestFocus();
    }else{
        String nim =txtnim.getText();
        String nama=txtnama.getText();
        String jurusan= (String) cbjurusan.getSelectedItem();
        String alamat= txtalamat.getText();
        try {
        String sql ="UPDATE mahasiswa SET nama = '"+txtnama.getText()+"', nim = '"+txtnim.getText()+"'"
                + ", jurusan = '"+cbjurusan.getSelectedItem()+"'"
                + " alamat= '"+txtalamat.getText()+"' WHERE nim = '"+txtnim.getText()+"'";
        java.sql.Connection conn=(Connection) konek.getConnection();
        java.sql.PreparedStatement pst=conn.prepareStatement(sql);
        pst.execute();
        JOptionPane.showMessageDialog(null, "data berhasil di edit");
    } catch (Exception e) {
        JOptionPane.showMessageDialog(null, "Perubahan Data Gagal"+e.getMessage());
        datatable();
    }
```

```
private void btncariActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try{
        Statement statement = (Statement)konek.getConnection().createStatement();
        ResultSet res = statement.executeQuery("select*from mahasiswa where"+"nim like '%"+
               txtcari.getText()+"%' OR"+"nama like'%"+txtcari.getText()+"%'");
       DefaultTableModel tbl = new DefaultTableModel();
        tbl.addColumn("NIM");
        tbl.addColumn("Nama");
        tbl.addColumn("Jurusan");
        tbl.addColumn("Alamat");
       table.setModel(tbl):
       while(res.next()){
           tbl.addRow(new Object[]{
           res.getString("nim"),
           res.getString("nama"),
            res.getString("jurusan"),
            res.getString("alamat"),
        });
        }
    } catch (SQLException e) {
       JOptionPane.showMessageDialog(rootPane, "Eror");
    1
```

```
private void tableMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    int i = table.getSelectedRow();
    if(i==1) {
        return;
    }
    String nim = (String) table.getValueAt(i, 0);
    txtnim.setText(nim);
    String nama = (String) table.getValueAt(i, 1);
    txtnama.setText(nama);
    String alamat = (String) table.getValueAt(i, 2);
    txtalamat.setText(alamat);
    String jurusan = (String) table.getValueAt(i, 3);
    cbjurusan.setSelectedItem("Teknik Informatika");
}
```

```
/**
  * @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() {
            new Form().setVisible(true);
        }
    });
}
```

4. ketika Program diinputkan

