

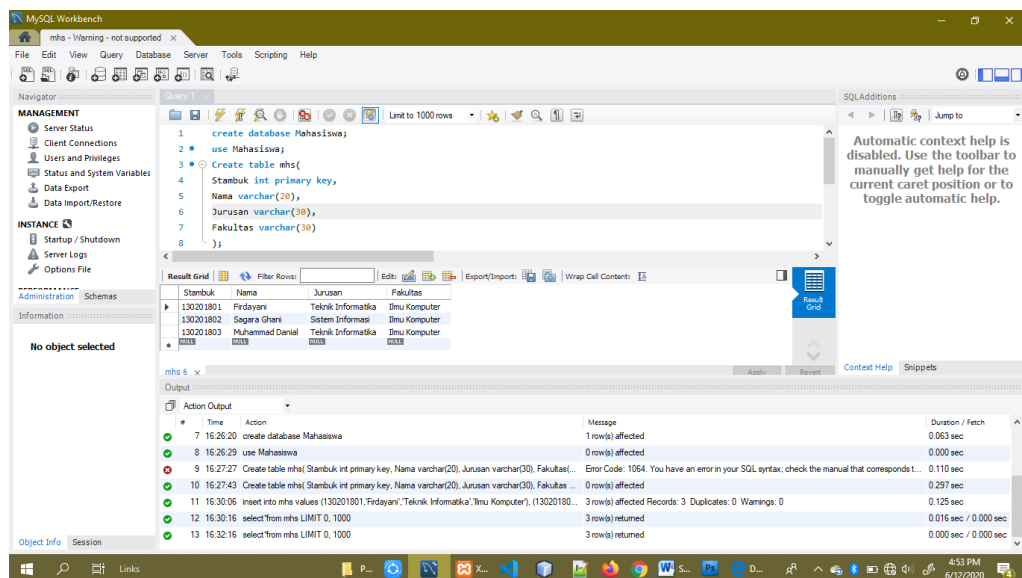
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DOKUMENTASI PEMBUATAN FORM DATA MAHASISWA

1. Pembuatan Database dan Table



2. Membuat program untuk menghubungkan dengan database

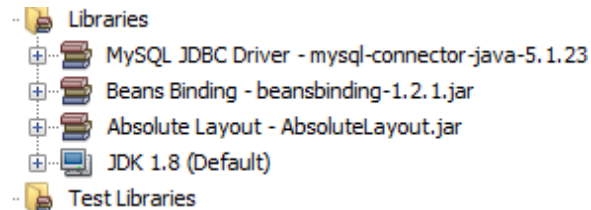
```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
public class koneksiDb {
    private static Connection mysqlconfig;
    public static Connection configDB()throws SQLException{
        try {
            String url="jdbc:mysql://localhost:3306/mahasiswa"; //url database
            String user="root"; //user database
            String pass=""; //password database
            DriverManager.registerDriver(new com.mysql.jdbc.Driver());
            mysqlconfig=DriverManager.getConnection(url, user, pass);
        } catch (SQLException e) {
            System.err.println("koneksi gagal "+e.getMessage()); //perintah
            menampilkan error pada koneksi
        }
        return mysqlconfig;
    }
}
```

```

    }
}

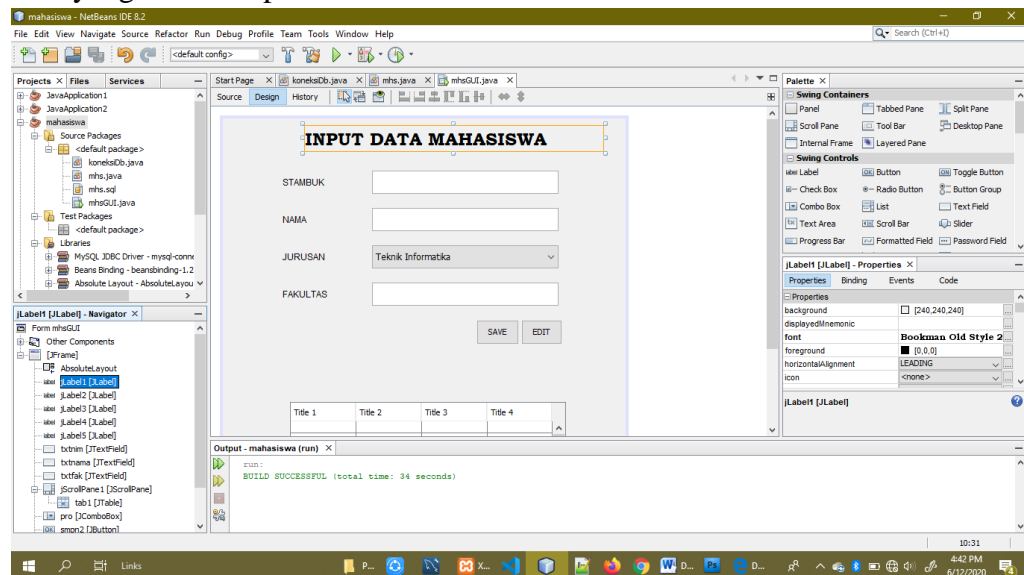
```

Tambahkan juga bagian mysql JDBC driver agar dapat terhubung dengan database.



3. Pembuatan Form

Pembuatan judul, tombol pada form dan pembuatan tabel untuk menampilkan data yang telah diinput di form.



4. Membuat Class mhsGUI.java

```

import java.sql.Connection;
import javax.swing.table.DefaultTableModel;

```

```

public class mhsGUI extends javax.swing.JFrame {
    public mhsGUI() {
        initComponents();
        load_table();
        kosong();
    }
    private void load_table(){
        // membuat tampilan model tabel

```

```

DefaultTableModel model = new DefaultTableModel();
model.addColumn("No");
model.addColumn("Stambuk");
model.addColumn("Nama");
model.addColumn("Jurusan");
model.addColumn("Fakultas");

//menampilkan data database kedalam tabel
try {
    int no=1;
    String sql = "select * from tabel_mahasiswa";
    java.sql.Connection conn=(Connection)koneksiDb.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
)}));
    }
    tab1.setModel(model);
} catch (Exception e) {
}
}

private void kosong(){
    txtnim.setText(null);
    txtnama.setText(null);
    pro.setSelectedItem(this);
    txtfak.setText(null);
}

/**
 * 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")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

```

```

jTextField3 = new javax.swing.JTextField();
jLabel1 = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();
jLabel3 = new javax.swing.JLabel();
jLabel4 = new javax.swing.JLabel();
jLabel5 = new javax.swing.JLabel();
txtnim = new javax.swing.JTextField();
txtnama = new javax.swing.JTextField();
txtfak = new javax.swing.JTextField();
jScrollPane1 = new javax.swing.JScrollPane();
tab1 = new javax.swing.JTable();
pro = new javax.swing.JComboBox<>();
smpn2 = new javax.swing.JButton();
smpn3 = new javax.swing.JButton();

```

```

jTextField3.setText("jTextField1");

```

```

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE)
;
setBackground(new java.awt.Color(44, 82, 240));
getContentPane().setLayout(new
org.netbeans.lib.awtextra.AbsoluteLayout());

```

```

jLabel1.setFont(new java.awt.Font("Bookman Old Style", 1, 24)); //
NOI18N
jLabel1.setText("INPUT DATA MAHASISWA");
getContentPane().add(jLabel1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(110, 10, 400, 34));

```

```

jLabel2.setFont(new java.awt.Font("Tempus Sans ITC", 0, 12)); //
NOI18N
jLabel2.setText("STAMBUK");
getContentPane().add(jLabel2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(80, 70, 60, 31));

```

```

jLabel3.setFont(new java.awt.Font("Tempus Sans ITC", 0, 12)); //
NOI18N
jLabel3.setText("NAMA");

```

```

        getContentPane().add(jLabel3, new
org.netbeans.lib.awtextra.AbsoluteConstraints(80, 120, 41, 31));

        jLabel4.setFont(new java.awt.Font("Tempus Sans ITC", 0, 12)); //
NOI18N
        jLabel4.setText("FAKULTAS");
        getContentPane().add(jLabel4, new
org.netbeans.lib.awtextra.AbsoluteConstraints(80, 220, 65, 31));

        jLabel5.setFont(new java.awt.Font("Tempus Sans ITC", 0, 12)); //
NOI18N
        jLabel5.setText("JURUSAN");
        getContentPane().add(jLabel5, new
org.netbeans.lib.awtextra.AbsoluteConstraints(80, 170, 60, 31));
        getContentPane().add(txtnim, new
org.netbeans.lib.awtextra.AbsoluteConstraints(200, 70, 250, 31));

        txtnama.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtnamaActionPerformed(evt);
            }
        });
        getContentPane().add(txtnama, new
org.netbeans.lib.awtextra.AbsoluteConstraints(200, 120, 250, 31));
        getContentPane().add(txtfak, new
org.netbeans.lib.awtextra.AbsoluteConstraints(200, 220, 250, 31));

        tab1.setAutoCreateRowSorter(true);
        tab1.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {
                {null, null, null, null},
                {null, null, null, null},
                {null, null, null, null},
                {null, null, null, null}
            },
            new String [] {
                "Title 1", "Title 2", "Title 3", "Title 4"
            }
        ));
        tab1.setEnabled(false);

```

```

        tab1.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                tab1MouseClicked(evt);
            }
        });
        jScrollPane1.setViewportView(tab1);

        getContentPane().add(jScrollPane1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(90, 380, 370, 90));

        pro.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N
        pro.setModel(new javax.swing.DefaultComboBoxModel<>(new String[]
{ "Teknik Informatika", "Sistem Informasi" }));
        pro.setName(""); // NOI18N
        pro.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                proActionPerformed(evt);
            }
        });
        getContentPane().add(pro, new
org.netbeans.lib.awtextra.AbsoluteConstraints(200, 170, 250, 31));

        smpn2.setText("ADD");
        smpn2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                smpn2ActionPerformed(evt);
            }
        });
        getContentPane().add(smpn2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(330, 270, -1, 33));

        smpn3.setText("SAVE");
        smpn3.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                smpn3ActionPerformed(evt);
            }
        });
        getContentPane().add(smpn3, new
org.netbeans.lib.awtextra.AbsoluteConstraints(390, 270, -1, 33));

```

```

        pack();
    }// </editor-fold>

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

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

    private void tab1MouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        // menampilkan data kedalam form pengisian:
        int baris = tab1.rowAtPoint(evt.getPoint());
        String nomhs = tab1.getValueAt(baris, 1).toString();
        txtnim.setText(nomhs);
        String nama = tab1.getValueAt(baris,2).toString();
        txtnama.setText(nama);
        String jurusan = tab1.getValueAt(baris,2).toString();
        txtfak.setText(jurusan);
        String prodi = tab1.getValueAt(baris, 3).toString();
        pro.setSelectedItem(prodi);
    }

    private void smpn2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void smpn3ActionPerformed(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 */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">

```

```

        /* If Nimbus (introduced in Java SE 6) is not available, stay with the
        default look and feel.
            * For details see
            http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
        */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
                javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

        java.util.logging.Logger.getLogger(mhsGUI.class.getName()).log(java.util.log
            ging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

        java.util.logging.Logger.getLogger(mhsGUI.class.getName()).log(java.util.log
            ging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

        java.util.logging.Logger.getLogger(mhsGUI.class.getName()).log(java.util.log
            ging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

        java.util.logging.Logger.getLogger(mhsGUI.class.getName()).log(java.util.log
            ging.Level.SEVERE, null, ex);
        }
    }
    //</editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(() -> {
        new mhsGUI().setVisible(true);
    });
}

// Variables declaration - do not modify
private javax.swing.JLabel jLabel1;

```

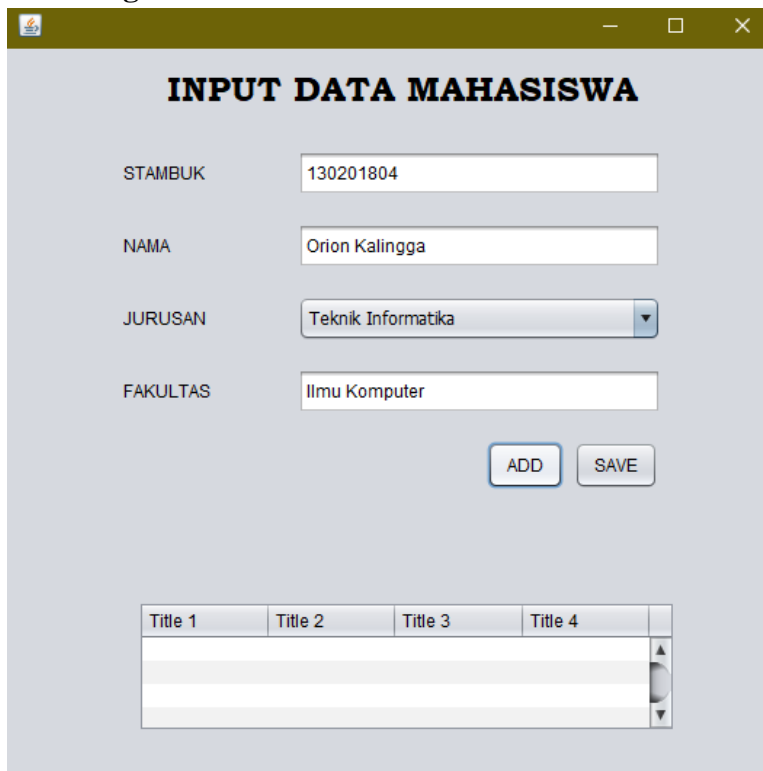


```

private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTextField jTextField3;
private javax.swing.JComboBox<String> pro;
private javax.swing.JButton smpn2;
private javax.swing.JButton smpn3;
private javax.swing.JTable tab1;
private javax.swing.JTextField txtfak;
private javax.swing.JTextField txtnama;
private javax.swing.JTextField txtnim;
// End of variables declaration
}

```

5. Run Program



INPUT DATA MAHASISWA

STAMBUK: 130201804

NAMA: Orion Kalingga

JURUSAN: Teknik Informatika

FAKULTAS: Ilmu Komputer

ADD SAVE

Title 1	Title 2	Title 3	Title 4	