MEMBUAT APLIKASI CRUD JAVA - MYSQL

✓ **Pengkodingan**

1. Klik pada tab **Source** dan ketikkan koding berikut ;

   ===========
   package projek;

   import java.sql.*;
   import java.text.Format;
   import javax.swing.*;
   import javax.swing.table.*;
   import java.text.SimpleDateFormat;
   import java.util.Date;
   import javax.swing.JOptionPane;
   import java.awt.HeadlessException;
   import java.sql.Connection;
   import java.sql.SQLException;

   public class Aplikasi extends javax.swing.JFrame {

     public String tgl_lahir;

         public Aplikasi() {
       initComponents();
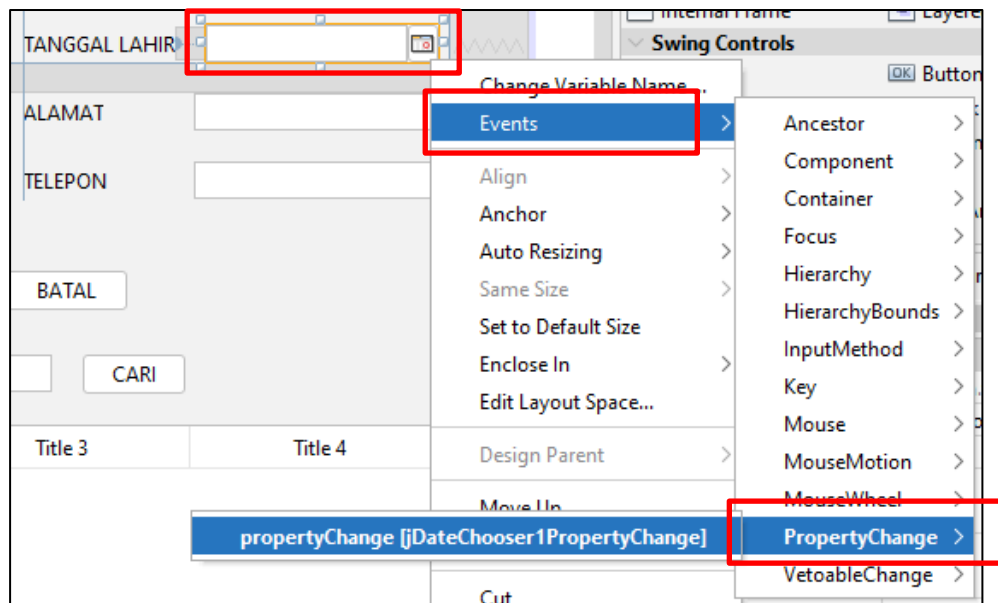   }

   Seperti gambar berikut.

```
package projek;

import java.sql.*;
import java.text.Format;
import javax.swing.*;
import javax.swing.table.*;
import java.text.SimpleDateFormat;
import java.util.Date;
import javax.swing.JOptionPane;
import java.awt.HeadlessException;
import java.sql.Connection;
import java.sql.SQLException;

 *
 * @author rowan
 */
public class Aplikasi extends javax.swing.JFrame {

    public String tgl_lahir;
```

2. Pada tab **Design,** klik kanan pada **jDateChooser1** dan pilih **Event** dan pilih **PropertyChange**.

3. Ketikkan koding berikut pada source-nya.

```
==========
if (jDateChooser1.getDate()!=null){
        SimpleDateFormat format=new SimpleDateFormat("yyyy-MM-dd");
        tgl_lahir=format.format (jDateChooser1.getDate());
    }
==========
```
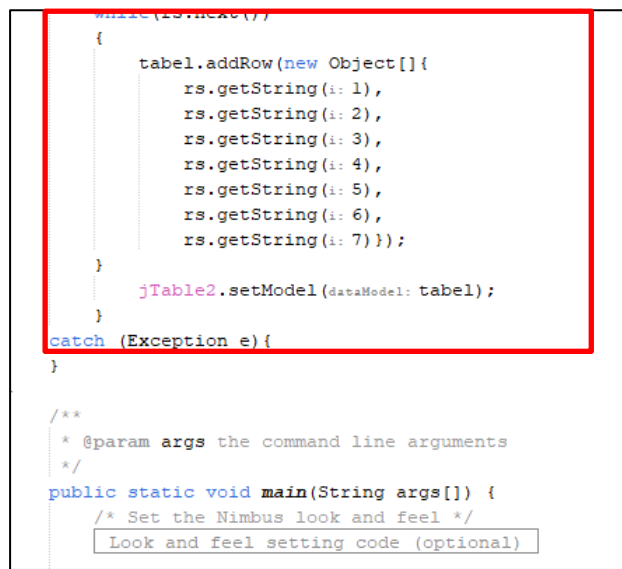

4. Tambahkan method untuk menampilkan data dengan ketikkan koding berikut.

```
==========
public void tampil_data(){
   DefaultTableModel tabel=new DefaultTableModel();
   tabel.addColumn("NIM");
   tabel.addColumn("NAMA");
   tabel.addColumn("JENIS KELAMIN");
   tabel.addColumn("TEMPAT LAHIR");
   tabel.addColumn("TANGGAL LAHIR");
   tabel.addColumn("ALAMAT");
   tabel.addColumn("TELEPON");

 try {
      java.sql.Connection conn=(java.sql.Connection)projek.koneksi.koneksiDB();
      String sql="select *from tb_data";
      java.sql.PreparedStatement pst = conn.prepareStatement(sql);
```

```
        ResultSet rs = pst.executeQuery(sql);
        while(rs.next())
        {
           tabel.addRow(new Object[]{
              rs.getString(1),
              rs.getString(2),
              rs.getString(3),
              rs.getString(4),
              rs.getString(5),
              rs.getString(6),
              rs.getString(7)});
        }
           jTable2.setModel(tabel);
        }
     catch (Exception e){
     }
==========
```



```
5. Lakukan double klik pada button **Simpan** dan ketikkan koding berikut.
```

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```
==========
try{
        String sql="insert into tb_data values('"
              +jTextField1.getText()+"','"
              +jTextField2.getText()+"','"
              +jComboBox1.getSelectedItem()+"','"
              +jTextField3.getText()+"','"
              +tgl_lahir+"','"
              +jTextField4.getText()+"','"
              +jTextField5.getText()+"')";

        java.sql.Connection conn=(java.sql.Connection)projek.koneksi.koneksiDB();
        java.sql.PreparedStatement pst=conn.prepareStatement(sql);
        pst.execute();
        JOptionPane.showMessageDialog(null, "Berhasil Disimpan");
```

```
            tampil_data();
        }
        catch (Exception e){
            JOptionPane.showMessageDialog(null, "Gagal Menyimpan");
            System.out.println(e.getMessage());
        }
========
```

6. Lakukan double klik pada button **Edit** dan ketikkan koding berikut.

```
========
try{
        String sql="insert into tb_data values('"
            +jTextField1.getText()+"','"
            +jTextField2.getText()+"','"
            +jComboBox1.getSelectedItem()+"','"
            +jTextField3.getText()+"','"
            +jDateChooser1+"','"
            +jTextField4.getText()+"','"
            +jTextField5.getText()+"')";
        java.sql.Connection conn=(java.sql.Connection)projek.koneksi.koneksiDB();
        java.sql.PreparedStatement pst=conn.prepareStatement(sql);
        pst.execute();
        JOptionPane.showMessageDialog(null, "Berhasil Disimpan");
        tampil_data();
    }
    catch (Exception e){
        JOptionPane.showMessageDialog(null, "Gagal Menyimpan");
        System.out.println(e.getMessage());
    }
========
```

7. Lakukan double klik pada button **Hapus** dan ketikkan koding berikut.

```
========
try{
        java.sql.Connection conn=(java.sql.Connection)projek.koneksi.koneksiDB();
        String sql = "delete from tb_data where nim='"+jTextField1.getText()+"' ";
        java.sql.PreparedStatement pst = conn.prepareStatement(sql);
        pst.executeUpdate();        JOptionPane.showMessageDialog(null,"Data        berhasil
Dihapus");
        tampil_data();
    }
    catch (Exception e){
        JOptionPane.showMessageDialog(null,"Proses Penghapusan Gagal");
        System.out.println(e.getMessage());
    }
========
```

8. Lakukan double klik pada button **Batal** dan ketikkan koding berikut.

```
==========
jTextField1.setText("");
    jTextField2.setText("");
    jComboBox1.setSelectedItem("");
    jTextField3.setText("");
    jDateChooser1.setDate(null);
    jTextField4.setText("");
    jTextField5.setText("");

    jTextField1.requestFocus();
==========
```

9. Lakukan double klik pada button **Cari** dan ketikkan koding berikut.

```
==========
try {
        java.sql.Connection conn=(java.sql.Connection)projek.koneksi.koneksiDB();
        String sql = "Select * from tb_data where nim='"+jTextField6.getText()+"' or
nama='"+jTextField6.getText()+"'";
        java.sql.PreparedStatement pst = conn.prepareStatement(sql);
        ResultSet rs = pst.executeQuery(sql);
    if (rs.next()){
      jTextField1.setText(rs.getString(1));
      jTextField2.setText(rs.getString(2));
      jComboBox1.setSelectedItem(rs.getString(3));
      jTextField3.setText(rs.getString(4));
      jDateChooser1.setDate(rs.getDate(5));
      jTextField4.setText(rs.getString(6));
      jTextField5.setText(rs.getString(7));
      JOptionPane.showMessageDialog(null,"Data : "
      + jTextField6.getText() + " ditemukan, Apakah Anda Ingin Mengedit atau
Menghapus?");
    }
    } catch (Exception e){}
      jTextField6.requestFocus();
==========
```

10. Sampai disini proses membuat aplikasi CRUD Java – MySQL selesai.