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## PRAKTIKUM 11

### Latihan 1 Form Barang

Main.java
<pre>/*  * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license- default.txt to change this license  * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template  */ package com.restu.prjpenjualan; import java.sql.*;  /**  *  * @author Restu  */ public class Main {      public static void main(String[] args) {         KoneksiMySQL kon = new KoneksiMySQL("penjualan");         Connection c = kon.getConnection();         System.out.println("c : " + c);     } }</pre>
KoneksiMySQL.java
<pre>/*  * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license- default.txt to change this license  * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template  */ package com.restu.prjpenjualan;  /**  *  * @author Restu  */</pre>

```

*/
import java.sql.*;

public class KoneksiMySQL {

    String url, usr, pwd, dbn;

    public KoneksiMySQL(String dbn) {
        this.url = "jdbc:mysql://localhost/" + dbn;
        this.usr = "root";
        this.pwd = "";
    }

    public KoneksiMySQL(String host, String user, String pass,
        String dbn) {
        this.url = "jdbc:mysql://" + host + "/" + dbn;
        this.usr = user;
        this.pwd = pass;
    }

    public Connection getConnection() {
        Connection con = null;
        try {
            Class.forName("com.mysql.jdbc.Driver");
            con = DriverManager.getConnection(this.url, this.usr, this.pwd);
        } catch (ClassNotFoundException e) {
            System.out.println("Error #1 : " + e.getMessage());
            System.exit(0);
        } catch (SQLException e) {
            System.out.println("Error #2 : " + e.getMessage());
            System.exit(0);
        }
        return con;
    }
}

```

### frmBarang.java

```

/*
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default.txt to change this license
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edit this template
 */
package com.restu.prjpenjualan;
import java.io.File;
import java.sql.*;
import javax.swing.JComboBox;
import javax.swing.JOptionPane;

```

```

import javax.swing.table.DefaultTableModel;
/**
 *
 * @author Restu
 */
public class frmBarang extends javax.swing.JFrame {
    Connection Con;
    ResultSet RsBrg;
    Statement stm;
    PreparedStatement pstat;

    Boolean ada = false;
    String sSatuan;
    Boolean edit=false;

    private Object[][] dataTable = null;
    private String[] header = {"Kode", "Nama Barang", "Satuan", "Harga
Beli", "Harga Jual", "Stok", "Stok Min"};

    /**
     * Creates new form frmBarang
     */
    public frmBarang() {
        initComponents();
        open_db();
        baca_data();
        aktif(false);
        setTombol(true);
    }

    private void setField()
    {
        int row=tblBrg.getSelectedRow();
        txtKode.setText((String)tblBrg.getValueAt(row,0));
        txtNama.setText((String)tblBrg.getValueAt(row,1));
        cmbSatuan.setSelectedItem((String)tblBrg.getValueAt(row,2));
        String hargaJual = Double.toString((Double)tblBrg.getValueAt(row,3));
        txtHargaJual.setText(hargaJual);
        String hargaBeli = Double.toString((Double)tblBrg.getValueAt(row,4));
        txtHargaBeli.setText(hargaBeli);
        String stok=Integer.toString((Integer)tblBrg.getValueAt(row,5));
        txtStok.setText(stok);
        String stokmin=Integer.toString((Integer)tblBrg.getValueAt(row,6));
        txtStokMin.setText(stokmin);
    }

    //method membuka database server, user, pass, database disesuaikan
    private void open_db()

```

```

{
    try{
        KoneksiMySQL kon = new KoneksiMySQL
("localhost","root","","penjualan");
        Con = kon.getConnection();
        System.out.println("Berhasil ");
    }catch (Exception e) {
        System.out.println("Error : "+e);
    }
}

//method baca data dari Mysql dimasukkan ke table pada form
private void baca_data()
{
    try{
        stm = Con.createStatement();

        pstat = Con.prepareStatement("select * from
barang",ResultSet.TYPE_SCROLL_SENSITIVE,ResultSet.CONCUR_UPDATABLE);
        RsBrg = pstat.executeQuery();

        ResultSetMetaData meta = RsBrg.getMetaData();
        int col = meta.getColumnCount();
        int baris = 0;

        while(RsBrg.next()) {
            baris = RsBrg.getRow();
        }
        dataTable = new Object[baris][col];
        int x = 0;
        RsBrg.beforeFirst();

        while(RsBrg.next()) {
            dataTable[x][0] = RsBrg.getString("kd_brg");
            dataTable[x][1] = RsBrg.getString("nm_brg");
            dataTable[x][2] = RsBrg.getString("satuan");
            dataTable[x][3] = RsBrg.getDouble("harga_beli");
            dataTable[x][4] = RsBrg.getDouble("harga_jual");
            dataTable[x][5] = RsBrg.getInt("stok");
            dataTable[x][6] = RsBrg.getInt("stok_min");
            x++;
        }
        tblBrg.setModel(new DefaultTableModel(dataTable,header));
    }
    catch(SQLException e)
    {
        JOptionPane.showMessageDialog(null, e);
    }
}

```

```

    }

    //untuk mengkosongkan isian data
    private void kosong()
    {
        txtKode.setText("");
        txtNama.setText("");
        txtHargaJual.setText("");
        txtHargaBeli.setText("");
        txtStok.setText("");
        txtStokMin.setText("");
    }

    //mengset aktif tidak isian data
    private void aktif(boolean x)
    {
        txtKode.setEditable(x);
        txtNama.setEditable(x);
        cmbSatuan.setEnabled(x);
        txtHargaJual.setEditable(x);
        txtHargaBeli.setEditable(x);
        txtStok.setEditable(x);
        txtStokMin.setEditable(x);
    }

    //mengset tombol on/off
    private void setTombol(boolean t)
    {
        cmdTambah.setEnabled(t);
        cmdKoreksi.setEnabled(t);
        cmdHapus.setEnabled(t);
        cmdSimpan.setEnabled(!t);
        cmdBatal.setEnabled(!t);
        cmdKeluar.setEnabled(t);
    }

    /**
     * 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"> //GEN-
    BEGIN: initComponents
        private void initComponents() {

```

```

txtKode = new javax.swing.JTextField();
jLabel1 = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();
txtNama = new javax.swing.JTextField();
jLabel3 = new javax.swing.JLabel();
cmbSatuan = new javax.swing.JComboBox<>();
jLabel4 = new javax.swing.JLabel();
jLabel5 = new javax.swing.JLabel();
jLabel6 = new javax.swing.JLabel();
txtHargaJual = new javax.swing.JTextField();
txtStok = new javax.swing.JTextField();
txtStokMin = new javax.swing.JTextField();
cmdTambah = new javax.swing.JButton();
cmdSimpan = new javax.swing.JButton();
cmdKoreksi = new javax.swing.JButton();
cmdHapus = new javax.swing.JButton();
cmdBatal = new javax.swing.JButton();
cmdKeluar = new javax.swing.JButton();
jLabel7 = new javax.swing.JLabel();
cmdExport = new javax.swing.JButton();
jLabel8 = new javax.swing.JLabel();
txtHargaBeli = new javax.swing.JTextField();
jScrollPane2 = new javax.swing.JScrollPane();
jScrollPane1 = new javax.swing.JScrollPane();
tblBrg = new javax.swing.JTable();
jSeparator1 = new javax.swing.JSeparator();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

txtKode.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txtKodeActionPerformed(evt);
    }
});

jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel1.setText("Kode Barang");

jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel2.setText("Nama Barang");

txtNama.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txtNamaActionPerformed(evt);
    }
});

jLabel3.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N

```

```

jLabel3.setText("Satuan");

cmbSatuan.setModel(new javax.swing.DefaultComboBoxModel<>(new
String[] { "buah", "lembar", "bungkus" }));
cmbSatuan.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmbSatuanActionPerformed(evt);
    }
});

jLabel4.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel4.setText("Harga jual");

jLabel5.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel5.setText("Stok");

jLabel6.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel6.setText("Stok minimal");

cmdTambah.setText("Tambah");
cmdTambah.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmdTambahActionPerformed(evt);
    }
});

cmdSimpan.setText("Simpan");
cmdSimpan.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        cmdSimpanMouseClicked(evt);
    }
});

cmdKoreksi.setText("Koreksi");
cmdKoreksi.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmdKoreksiActionPerformed(evt);
    }
});

cmdHapus.setText("Hapus");
cmdHapus.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmdHapusActionPerformed(evt);
    }
});

cmdBatal.setText("Batal");

```

```

cmdBatal.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmdBatalActionPerformed(evt);
    }
});

cmdKeluar.setText("Keluar");
cmdKeluar.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmdKeluarActionPerformed(evt);
    }
});

jLabel7.setFont(new java.awt.Font("Segoe UI", 1, 24)); // NOI18N
jLabel7.setText("DATA BARANG");

cmdExport.setText("Export");
cmdExport.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmdExportActionPerformed(evt);
    }
});

jLabel8.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel8.setText("Harga Beli");

tblBrg.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null, null, null},
        {null, null, null, null, null, null},
        {null, null, null, null, null, null},
        {null, null, null, null, null, null}
    },
    new String [] {
        "Kode", "Nama Barang", "Satuan", "Harga", "Stok", "Stok Min"
    }
));
tblBrg.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        tblBrgMouseClicked(evt);
    }
});
jScrollPane1.setViewportViewView(tblBrg);

jScrollPane2.setViewportViewView(jScrollPane1);

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());

```





```

        .addGroup(layout.createParallelGroup(javax.s
wing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(cmdTambah)
            .addPreferredGap(javax.swing.LayoutS
tyle.ComponentPlacement.RELATED)
            .addComponent(cmdSimpan)
            .addGap(12, 12, 12)
            .addComponent(cmdKoreksi)
            .addPreferredGap(javax.swing.LayoutS
tyle.ComponentPlacement.UNRELATED)
            .addComponent(cmdHapus)
            .addPreferredGap(javax.swing.LayoutS
tyle.ComponentPlacement.UNRELATED)
            .addComponent(cmdBatal)
            .addPreferredGap(javax.swing.LayoutS
tyle.ComponentPlacement.UNRELATED)
            .addComponent(cmdKeluar)
            .addGap(18, 18, 18)
            .addComponent(cmdExport))
            .addComponent(jScrollPane2,
javax.swing.GroupLayout.PREFERRED_SIZE, 650,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(23, 23, 23)))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
        .addGroup(layout.createSequentialGroup()
            .addGap(17, 17, 17)
            .addComponent(jLabel7)
            .addGap(18, 18, 18)
            .addComponent(jSeparator1,
javax.swing.GroupLayout.PREFERRED_SIZE, 10,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
                .addComponent(jLabel1)
                .addComponent(txtKode,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.
RELATED)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
                .addComponent(jLabel12)

```

```

        .addComponent(txtNama,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.
RELATED)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
        .addComponent(jLabel3)
        .addComponent(cmbSatuan,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.
RELATED)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
        .addComponent(jLabel4)
        .addComponent(txtHargaJual,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.
RELATED)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
        .addComponent(jLabel8)
        .addComponent(txtHargaBeli,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.
RELATED)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
        .addComponent(jLabel5)
        .addComponent(txtStok,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.
RELATED)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
        .addComponent(jLabel6)
        .addComponent(txtStokMin,
javax.swing.GroupLayout.PREFERRED_SIZE,

```

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javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addComponent(jScrollPane2,
javax.swing.GroupLayout.PREFERRED_SIZE, 144,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
            .addComponent(cmdTambah)
            .addComponent(cmdSimpan)
            .addComponent(cmdKoreksi)
            .addComponent(cmdHapus)
            .addComponent(cmdBatal)
            .addComponent(cmdKeluar)
            .addComponent(cmdExport))
        .addContainerGap(42, Short.MAX_VALUE))
    );

    pack();
} // </editor-fold> // GEN-END: initComponents

private void txtKodeActionPerformed(java.awt.event.ActionEvent evt)
{ // GEN-FIRST:event_txtKodeActionPerformed
    // TODO add your handling code here:
} // GEN-LAST:event_txtKodeActionPerformed

private void txtNamaActionPerformed(java.awt.event.ActionEvent evt)
{ // GEN-FIRST:event_txtNamaActionPerformed
    // TODO add your handling code here:
} // GEN-LAST:event_txtNamaActionPerformed

private void cmdKoreksiActionPerformed(java.awt.event.ActionEvent evt)
{ // GEN-FIRST:event_cmdKoreksiActionPerformed
    edit=true;
    aktif(true);
    setTombol(false);
    txtKode.setEditable(false);
} // GEN-LAST:event_cmdKoreksiActionPerformed

private void cmdHapusActionPerformed(java.awt.event.ActionEvent evt)
{ // GEN-FIRST:event_cmdHapusActionPerformed
    try{
        String sql="delete from barang where kd_brg='" + txtKode.getText() + "'";
        stm.executeUpdate(sql);
        baca_data();
    }
    catch(SQLException e)

```

```

{
JOptionPane.showMessageDialog(null, e);
}

    }//GEN-LAST:event_cmdHapusActionPerformed

    private void cmbSatuanActionPerformed(java.awt.event.ActionEvent evt)
{
//GEN-FIRST:event_cmbSatuanActionPerformed
// TODO add your handling code here:
JComboBox cSatuan = (javax.swing.JComboBox)evt.getSource();
//Membaca Item Yang Terpilih - > String
sSatuan = (String)cSatuan.getSelectedItem();
    }//GEN-LAST:event_cmbSatuanActionPerformed

    private void tblBrgMouseClicked(java.awt.event.MouseEvent evt) {
//GEN-FIRST:event_tblBrgMouseClicked
        setField();
    }//GEN-LAST:event_tblBrgMouseClicked

    private void cmdTambahActionPerformed(java.awt.event.ActionEvent evt)
{
//GEN-FIRST:event_cmdTambahActionPerformed

aktif(true);
setTombol(false);
kosong();

    }//GEN-LAST:event_cmdTambahActionPerformed

    private void cmdBatalActionPerformed(java.awt.event.ActionEvent evt)
{
//GEN-FIRST:event_cmdBatalActionPerformed
aktif(false);
setTombol(true);
kosong();
    }//GEN-LAST:event_cmdBatalActionPerformed

    private void cmdKeluarActionPerformed(java.awt.event.ActionEvent evt)
{
//GEN-FIRST:event_cmdKeluarActionPerformed
        dispose();
    }//GEN-LAST:event_cmdKeluarActionPerformed

    private void cmdSimpanMouseClicked(java.awt.event.MouseEvent evt)
{
//GEN-FIRST:event_cmdSimpanMouseClicked
String tKode=txtKode.getText();
String tNama=txtNama.getText();
double hrgJ=Double.parseDouble(txtHargaJual.getText());
double hrgB=Double.parseDouble(txtHargaBeli.getText());
int stk=Integer.parseInt(txtStok.getText());
int stkMin=Integer.parseInt(txtStokMin.getText());
try{

```

```

if (edit==true){
stm.executeUpdate("update barang set
nm_brg='"+tNama+"',satuan='"+sSatuan+"',harga_jual="+hrgJ+",stok="+stk+",sto
k_min=" +stkMin+",harga_beli="+hrgB+ "where kd_brg='"+ tKode + "'");
}else{
stm.executeUpdate("INSERT into barang
VALUES('"+tKode+"','"+tNama+"','"+sSatuan+"','"+hrgJ+"','"+stk+"','"+stkMin+"','"+h
rgB+"')");
}
tblBrg.setModel(new DefaultTableModel(dataTable,header));
baca_data();
aktif(false);
setTombol(true);
}catch(SQLException e) {
JOptionPane.showMessageDialog(null, e);
}

    }//GEN-LAST:event_cmdSimpanMouseClicked

    private void cmdExportActionPerformed(java.awt.event.ActionEvent evt)
{
    //GEN-FIRST:event_cmdExportActionPerformed
    try{
        ExportToExcel ex=new ExportToExcel(tblBrg, new
File("DataBarang.xls"));
        JOptionPane.showMessageDialog(null, "sukses export data..." );
    }catch(Exception e) {
        JOptionPane.showMessageDialog(null, e);
    }
    //GEN-LAST:event_cmdExportActionPerformed

    /**
     * @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(frmBarang.class.getName()).log(
java.util.logging.Level.SEVERE, null, ex);
} catch (InstantiationException ex) {
    java.util.logging.Logger.getLogger(frmBarang.class.getName()).log(
java.util.logging.Level.SEVERE, null, ex);
} catch (IllegalAccessException ex) {
    java.util.logging.Logger.getLogger(frmBarang.class.getName()).log(
java.util.logging.Level.SEVERE, null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {
    java.util.logging.Logger.getLogger(frmBarang.class.getName()).log(
java.util.logging.Level.SEVERE, null, ex);
}
//</editor-fold>

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

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JComboBox<String> cmbSatuan;
private javax.swing.JButton cmdBatal;
private javax.swing.JButton cmdExport;
private javax.swing.JButton cmdHapus;
private javax.swing.JButton cmdKeluar;
private javax.swing.JButton cmdKoreksi;
private javax.swing.JButton cmdSimpan;
private javax.swing.JButton cmdTambah;
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.JScrollPane jScrollPane1;
private javax.swing.JScrollPane jScrollPane2;
private javax.swing.JSeparator jSeparator1;
private javax.swing.JTable tblBrg;
private javax.swing.JTextField txtHargaBeli;
private javax.swing.JTextField txtHargaJual;

```

```

private javax.swing.JTextField txtKode;
private javax.swing.JTextField txtNama;
private javax.swing.JTextField txtStok;
private javax.swing.JTextField txtStokMin;
// End of variables declaration//GEN-END:variables
}

```

### ExposrtToExcel.java

```

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
 * default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit
 * this template
 */
package com.restu.prjpenjualan;

import java.io.File;
import java.io.FileWriter;
import javax.swing.JTable;
import javax.swing.table.TableModel;

/**
 *
 * @author Restu
 */
public class ExportToExcel {
    public ExportToExcel(JTable table, File file) {
        try {
            TableModel tableModel = table.getModel();
            FileWriter fOut = new FileWriter(file);

            for (int i = 0; i < tableModel.getColumnCount(); i++) {
                fOut.write(tableModel.getColumnName(i) + "\t");
            }
            fOut.write("\n");

            for (int i = 0; i < tableModel.getRowCount(); i++) {
                for (int j = 0; j < tableModel.getColumnCount(); j++) {
                    fOut.write(tableModel.getValueAt(i,
                        j).toString() + "\t");
                }

                fOut.write("\n");
            }

            fOut.close();
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}

```



```
}  
}  
}
```

## Output

**DATA BARANG**

Kode Barang: B001

Nama Barang: Baju

Satuan: buah

Harga jual: 10.0

Harga Beli: 300000.0

Stok: 1

Stok minimal: 250000

Kode	Nama Barang	Satuan	Harga Beli	Harga Jual	Stok	Stok Min
B001	Baju	buah	10.0	300000.0	1	250000

Tambah Simpan Koreksi Hapus Batal Keluar Export

## Latihan 2 Form Konsumen

### frmKonsumen.java

```
/*  
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-  
default.txt to change this license  
 * Click nbfs://nbhost/SystemFileSystem/Templates/GuiForms/JFrame.java to  
edit this template  
 */  
  
package com.restu.prjpenjualan;
```

```

import java.sql.Connection;
import java.io.File;
import java.sql.*;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

/**
 *
 * @author Restu
 */
public class frmKonsumen extends javax.swing.JFrame {

    /**
     * Creates new form frmKonsumen
     */
    Connection Con;
    ResultSet RsKons;
    Statement stm;
    PreparedStatement pstat;

    Boolean ada = false;
    Boolean edit = false;

    private Object[][] dataTable = null;
    private String[] header = {"Kode", "Nama Konsumen", "Alamat", "Kota",
        "Kode Pos", "Phone", "Email"};

    public frmKonsumen() {
        initComponents();
        open_db();
        baca_data();
        aktif(false);
        setTombol(true);
    }

    private void setField() {
        int row = tblKons.getSelectedRow();
        txtKd_Kons.setText((String)tblKons.getValueAt(row, 0));
        txtNm_Kons.setText((String)tblKons.getValueAt(row, 1));
        txtAlamat.setText((String)tblKons.getValueAt(row, 2));
        txtKota.setText((String)tblKons.getValueAt(row, 3));
        txtKd_Pos.setText((String)tblKons.getValueAt(row, 4));
        txtTlpn.setText((String)tblKons.getValueAt(row, 5));
        txtEmail.setText((String)tblKons.getValueAt(row, 6));
    }

    private void open_db() {
        try {

```

```

        KoneksiMySQL kon = new KoneksiMySQL("localhost", "root", "",
"penjualan");
        Con = kon.getConnection();
        System.out.println("Berhasil");
    } catch (Exception e) {
        System.out.println("Error : "+e);
    }
}

private void baca_data() {
try {
    stm = Con.createStatement();

    pstat = Con.prepareStatement("select * from konsumen",
        ResultSet.TYPE_SCROLL_SENSITIVE,
        ResultSet.CONCUR_UPDATABLE);
    RsKons = pstat.executeQuery();

    ResultSetMetaData meta = RsKons.getMetaData();
    int col = meta.getColumnCount();
    int baris = 0;

    while(RsKons.next()){
        baris = RsKons.getRow();
    }

    dataTable = new Object[baris][col];
    int x = 0;
    RsKons.beforeFirst();

    while(RsKons.next()) {
        dataTable[x][0] = RsKons.getString("kd_kons");
        dataTable[x][1] = RsKons.getString("nm_kons");
        dataTable[x][2] = RsKons.getString("alm_kons");
        dataTable[x][3] = RsKons.getString("kota_kons");
        dataTable[x][4] = RsKons.getString("kd_pos");
        dataTable[x][5] = RsKons.getString("phone");
        dataTable[x][6] = RsKons.getString("email");
        x++;
    }
    tblKons.setModel(new DefaultTableModel(dataTable, header));

} catch (Exception e) {
    JOptionPane.showMessageDialog(null, e);
}

}

private void kosong() {
txtKd_Kons.setText("");
txtNm_Kons.setText("");

```

```

        txtAlamat.setText("");
        txtKota.setText("");
        txtKd_Pos.setText("");
        txtTlpn.setText("");
        txtEmail.setText("");
    }

    //mengset aktif tidak isian data
    private void aktif(boolean x) {
        txtKd_Kons.setEditable(x);
        txtNm_Kons.setEditable(x);
        txtAlamat.setEditable(x);
        txtKota.setEditable(x);
        txtKd_Pos.setEditable(x);
        txtTlpn.setEditable(x);
        txtEmail.setEditable(x);
    }

    //Mengset tombol on/off
    private void setTombol(boolean t) {
        cmdTambah.setEnabled(t);
        cmdKoreksi.setEnabled(t);
        cmdHapus.setEnabled(t);
        cmdSimpan.setEnabled(!t);
        cmdBatal.setEnabled(!t);
        cmdKeluar.setEnabled(t);
    }

    /**
     * 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"> //GEN-
BEGIN: initComponents
    private void initComponents() {

        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        txtKd_Kons = new javax.swing.JTextField();
        jLabel3 = new javax.swing.JLabel();
        txtNm_Kons = new javax.swing.JTextField();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();

```

```
jLabel6 = new javax.swing.JLabel();
jLabel7 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
txtAlamat = new javax.swing.JTextField();
txtKota = new javax.swing.JTextField();
txtKd_Pos = new javax.swing.JTextField();
txtTlpn = new javax.swing.JTextField();
txtEmail = new javax.swing.JTextField();
cmdTambah = new javax.swing.JButton();
cmdSimpan = new javax.swing.JButton();
cmdKoreksi = new javax.swing.JButton();
cmdHapus = new javax.swing.JButton();
cmdBatal = new javax.swing.JButton();
cmdKeluar = new javax.swing.JButton();
cmdExport = new javax.swing.JButton();
jScrollPane2 = new javax.swing.JScrollPane();
jScrollPane1 = new javax.swing.JScrollPane();
tblKons = new javax.swing.JTable();
jSeparator1 = new javax.swing.JSeparator();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 24)); // NOI18N
jLabel1.setText("DATA KONSUMEN");

jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel2.setText("Kode Konsumen");

txtKd_Kons.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txtKd_KonsActionPerformed(evt);
    }
});

jLabel3.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel3.setText("Nama Konsumen");

jLabel4.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel4.setText("Alamat");

jLabel5.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel5.setText("Kota");

jLabel6.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel6.setText("Kode Pos");

jLabel7.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel7.setText("Telepon");
```

```
jLabel8.setFont(new java.awt.Font("Segoe UI", 1, 14)); // NOI18N
jLabel8.setText("Email");

txtKota.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txtKotaActionPerformed(evt);
    }
});

txtTlpn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txtTlpnActionPerformed(evt);
    }
});

txtEmail.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txtEmailActionPerformed(evt);
    }
});

cmdTambah.setText("Tambah");
cmdTambah.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmdTambahActionPerformed(evt);
    }
});

cmdSimpan.setText("Simpan");
cmdSimpan.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        cmdSimpanMouseClicked(evt);
    }
});

cmdKoreksi.setText("Koreksi");
cmdKoreksi.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmdKoreksiActionPerformed(evt);
    }
});

cmdHapus.setText("Hapus");
cmdHapus.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmdHapusActionPerformed(evt);
    }
});
```

```

    });

    cmdBatal.setText("Batal");
    cmdBatal.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            cmdBatalActionPerformed(evt);
        }
    });

    cmdKeluar.setText("Keluar");
    cmdKeluar.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            cmdKeluarActionPerformed(evt);
        }
    });

    cmdExport.setText("Export");
    cmdExport.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            cmdExportActionPerformed(evt);
        }
    });

    tblKons.setModel(new javax.swing.table.DefaultTableModel(
        new Object [][] {
            {null, null, null, null, null, null, null},
            {null, null, null, null, null, null, null},
            {null, null, null, null, null, null, null},
            {null, null, null, null, null, null, null}
        },
        new String [] {
            "Kode", "Nama Konsumen", "Alamat", "Kota", "Kode Pos",
"Telepon", "Email"
        }
    ));

    tblKons.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            tblKonsMouseClicked(evt);
        }
    });

    jScrollPane1.setViewportViewView(tblKons);

    jScrollPane2.setViewportViewView(jScrollPane1);

    javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(

```

```

        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(25, 25, 25)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel1)
                    .addComponent(jSeparator1,
javax.swing.GroupLayout.PREFERRED_SIZE, 575,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(layout.createSequentialGroup()
                        .addComponent(cmdTambah)
                        .addGap(18, 18, 18)
                        .addComponent(cmdSimpan)
                        .addGap(18, 18, 18)
                        .addComponent(cmdKoreksi)
                        .addGap(18, 18, 18)
                        .addComponent(cmdHapus)
                        .addGap(18, 18, 18)
                        .addComponent(cmdBatal)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPl
acement.UNRELATED)
                        .addComponent(cmdKeluar))
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLa
yout.Alignment.TRAILING, false)
                        .addGroup(layout.createSequentialGroup()
                            .addGroup(layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.LEADING)
                                .addComponent(jLabel2)
                                .addComponent(jLabel3)
                                .addComponent(jLabel4)
                                .addComponent(jLabel5)
                                .addComponent(jLabel6)
                                .addComponent(jLabel7)
                                .addComponent(jLabel8))
                            .addGap(37, 37, 37)
                            .addGroup(layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.LEADING, false)
                                .addComponent(txtKd_Kons,
javax.swing.GroupLayout.DEFAULT_SIZE, 192, Short.MAX_VALUE)
                                .addComponent(txtNm_Kons)
                                .addComponent(txtAlamat)
                                .addComponent(txtTlpn)
                                .addComponent(txtEmail)
                                .addComponent(txtKota)
                                .addComponent(txtKd_Pos))
                            .addPreferredGap(javax.swing.LayoutStyle.Compone
ntPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

```



```

        .addComponent(cmdExport))
        .addComponent(jScrollPane2,
javax.swing.GroupLayout.PREFERRED_SIZE, 596,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap(25, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
RELATED)
        .addGroup(layout.createSequentialGroup())
            .addGap(14, 14, 14)
            .addComponent(jLabel1)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.
RELATED)
                .addComponent(jSeparator1,
javax.swing.GroupLayout.PREFERRED_SIZE, 10,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(13, 13, 13)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
                    .addComponent(jLabel2)
                    .addComponent(txtKd_Kons,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.
RELATED)
                        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
                            .addComponent(jLabel3)
                            .addComponent(txtNm_Kons,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.
RELATED)
                                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)
                                    .addComponent(jLabel4)
                                    .addGroup(layout.createSequentialGroup())
                                        .addComponent(txtAlamat,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPl
acement.RELATED)
                                            .addGroup(layout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)

```

```

        .addComponent(txtKota,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel15))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPl
acement.RELATED)
        .addGroup(layout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
        .addComponent(txtKd_Pos,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel6))))
        .addGap(9, 9, 9)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)
        .addComponent(jLabel17)
        .addComponent(txtTlpn,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.
RELATED)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
        .addComponent(txtEmail,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel18)
        .addComponent(cmdExport))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.
UNRELATED)
        .addComponent(jScrollPane2,
javax.swing.GroupLayout.PREFERRED_SIZE, 167,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
        .addComponent(cmdTambah)
        .addComponent(cmdSimpan)
        .addComponent(cmdKoreksi)
        .addComponent(cmdHapus)
        .addComponent(cmdBatal)
        .addComponent(cmdKeluar))
        .addContainerGap(22, Short.MAX_VALUE))
    );

```

```

        pack();
    } // </editor-fold> // GEN-END: initComponents

    private void txtKd_KonsActionPerformed(java.awt.event.ActionEvent evt)
    { // GEN-FIRST:event_txtKd_KonsActionPerformed
        // TODO add your handling code here:
    } // GEN-LAST:event_txtKd_KonsActionPerformed

    private void txtEmailActionPerformed(java.awt.event.ActionEvent evt)
    { // GEN-FIRST:event_txtEmailActionPerformed
        // TODO add your handling code here:
    } // GEN-LAST:event_txtEmailActionPerformed

    private void txtKotaActionPerformed(java.awt.event.ActionEvent evt)
    { // GEN-FIRST:event_txtKotaActionPerformed
        // TODO add your handling code here:
    } // GEN-LAST:event_txtKotaActionPerformed

    private void txtTlpnActionPerformed(java.awt.event.ActionEvent evt)
    { // GEN-FIRST:event_txtTlpnActionPerformed
        // TODO add your handling code here:
    } // GEN-LAST:event_txtTlpnActionPerformed

    private void cmdKoreksiActionPerformed(java.awt.event.ActionEvent evt)
    { // GEN-FIRST:event_cmdKoreksiActionPerformed
        edit = true;
        aktif(true);
        setTombol(false);
    } // GEN-LAST:event_cmdKoreksiActionPerformed

    private void cmdHapusActionPerformed(java.awt.event.ActionEvent evt)
    { // GEN-FIRST:event_cmdHapusActionPerformed
        try {
            String sql = "delete from konsumen where kd_kons='"
+txtKd_Kons.getText()+ "'";
            stm.executeUpdate(sql);
            baca_data();
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(null, e);
        }
    } // GEN-LAST:event_cmdHapusActionPerformed

    private void cmdTambahActionPerformed(java.awt.event.ActionEvent evt)
    { // GEN-FIRST:event_cmdTambahActionPerformed
        aktif(true);
        setTombol(false);
        kosong();
    }

```

```

        } //GEN-LAST:event_cmdTambahActionPerformed

        private void cmdBatalActionPerformed(java.awt.event.ActionEvent evt)
    { //GEN-FIRST:event_cmdBatalActionPerformed
        aktif(false);
        setTombol(true);
        kosong();
    } //GEN-LAST:event_cmdBatalActionPerformed

        private void cmdKeluarActionPerformed(java.awt.event.ActionEvent evt)
    { //GEN-FIRST:event_cmdKeluarActionPerformed
        dispose();
    } //GEN-LAST:event_cmdKeluarActionPerformed

        private void tblKonsMouseClicked(java.awt.event.MouseEvent evt) { //GEN-
FIRST:event_tblKonsMouseClicked
            setField();
        } //GEN-LAST:event_tblKonsMouseClicked

        private void cmdSimpanMouseClicked(java.awt.event.MouseEvent evt)
    { //GEN-FIRST:event_cmdSimpanMouseClicked
        String tKode = txtKd_Kons.getText();
        String tNama = txtNm_Kons.getText();
        String tAlamat = txtAlamat.getText();
        String tKota = txtKota.getText();
        String tKdPos = txtKd_Pos.getText();
        String tTlp = txtTlpn.getText();
        String tEmail = txtEmail.getText();

        try {
            if(edit==true){
                stm.executeUpdate("update konsumen set "
                    +
                    "nm_kons='"+tNama+"', alm_kons='"+tAlamat+"', kota_kons='"+tKota+"', kd_pos='"+
tKdPos+"', phone='"+
                    +tTlp+"', email='"+tEmail+"' where kd_kons='"+ tKode + "'");
            } else {
                stm.executeUpdate("INSERT into konsumen VALUES"
                    +
                    "("+"'"+tKode+"', '"+tNama+"', '"+tAlamat+"', '"+tKota+"', '"+tKdPos+"',
                    '"+tTlp+"', '"+tEmail+"')");
            }
            tblKons.setModel(new DefaultTableModel(dataTable, header));
            baca_data();
            aktif(false);
            setTombol(true);
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(null, e);
        }
    }
}

```

```

    }
    }//GEN-LAST:event_cmdSimpanMouseClicked

    private void cmdExportActionPerformed(java.awt.event.ActionEvent evt)
    { //GEN-FIRST:event_cmdExportActionPerformed
        try {
            ExportToExcel ex = new ExportToExcel(tblKons, new
            File("DataKonsumen.xls"));
            JOptionPane.showMessageDialog(null, "Sukses Export data.....");
        } catch (Exception e) {
            JOptionPane.showMessageDialog(null, e);
        }
    } //GEN-LAST:event_cmdExportActionPerformed

    /**
     * @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(frmKonsumen.class.getName()).
            log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(frmKonsumen.class.getName()).
            log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(frmKonsumen.class.getName()).
            log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(frmKonsumen.class.getName()).
            log(java.util.logging.Level.SEVERE, null, ex);
        }
    }

```

```


//</editor-fold>

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

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JButton cmdBatal;
private javax.swing.JButton cmdExport;
private javax.swing.JButton cmdHapus;
private javax.swing.JButton cmdKeluar;
private javax.swing.JButton cmdKoreksi;
private javax.swing.JButton cmdSimpan;
private javax.swing.JButton cmdTambah;
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.JScrollPane jScrollPane1;
private javax.swing.JScrollPane jScrollPane2;
private javax.swing.JSeparator jSeparator1;
private javax.swing.JTable tblKons;
private javax.swing.JTextField txtAlamat;
private javax.swing.JTextField txtEmail;
private javax.swing.JTextField txtKd_Kons;
private javax.swing.JTextField txtKd_Pos;
private javax.swing.JTextField txtKota;
private javax.swing.JTextField txtNm_Kons;
private javax.swing.JTextField txtTlpn;
// End of variables declaration//GEN-END:variables
}

```

## Output

— □ ×

### DATA KONSUMEN

---

**Kode Konsumen**

**Nama Konsumen**

**Alamat**

**Kota**

**Kode Pos**

**Telepon**

**Email**

Kode	Nama Kon...	Alamat	Kota	Kode Pos	Phone	Email
P12345	Restu Lestari	Semarang ...	Semarang	12345	08582267...	restu@gm...