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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

```

/*
 * 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.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,
4));
        txtHargaJual.setText(hargaJual);
        String hargaBeli = Double.toString((Double) tblBrg.getValueAt(row,
3));
        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">
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());
    getContentPane().setLayout(layout);

```



[illegible]

```

        .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 +
        ",stok_min=" + stkMin + ",harga_beli=" + hrgB + "where kd_brg='" + tKode +
        "'");
    } else {
        stm.executeUpdate("INSERT into barang VALUES('" + tKode +
        "','" + tNama + "','" + sSatuan + "','" + hrgB + "','" + hrgJ + "','" + stk + "','"
        + stkMin + "')");
    }
    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(Main.class).log(Level.SEVERE,
        null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(Main.class).log(Level.SEVERE,
        null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(Main.class).log(Level.SEVERE,
        null, ex);
    }
}

```

```

    }
    }
    } 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
}

```

### ExportToExcel.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:

Nama Barang:

Satuan:

Harga jual:

Harga Beli:

Stok:

Stok minimal:

Kode	Nama Barang	Satuan	Harga Beli	Harga Jual	Stok	Stok Min
B-0001	Spidol	Buah	4000.0	5000.0	9	5
B-0002	Buku	Buah	9000.0	10000.0	5	1
B-0003	Penggaris	Buah	3000.0	4000.0	20	2

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.ComponentPlacementPlacement.UNRELATED)
                            .addComponent(cmdKeluar))
                        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.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.ComponentPlacement.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)

        .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(GroupLayout.Alignment.BASELINE)
            .addComponent(txtKota,
                GroupLayout.PREFERRED_SIZE,
                GroupLayout.DEFAULT_SIZE,
                GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel5))
        .addPreferredGap(GroupLayoutStyle.ComponentPlacement.RELATED)
        .addGroup(layout.createParallelGroup(GroupLayout.Alignment.BASELINE)
            .addComponent(txtKd_Pos,
                GroupLayout.PREFERRED_SIZE,
                GroupLayout.DEFAULT_SIZE,
                GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel6))))
        .addGap(9, 9, 9)
        .addGroup(layout.createParallelGroup(GroupLayout.Alignment.LEADING)
            .addComponent(jLabel7)
            .addComponent(txtTlpn,
                GroupLayout.PREFERRED_SIZE,
                GroupLayout.DEFAULT_SIZE,
                GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(GroupLayoutStyle.ComponentPlacement.RELATED)
        .addGroup(layout.createParallelGroup(GroupLayout.Alignment.BASELINE)
            .addComponent(txtEmail,
                GroupLayout.PREFERRED_SIZE,
                GroupLayout.DEFAULT_SIZE,
                GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel8)
            .addComponent(cmdExport))
        .addPreferredGap(GroupLayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jScrollPane2,
            GroupLayout.PREFERRED_SIZE, 167,
            GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(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**

Export

Tambah

Simpan

Koreksi

Hapus

Batal

Keluar