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PRAKTIKUM 13

Form Laporan Penjualan

LapPenjualan.java

```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;

/**
 *
 * @author Restu
 */
import java.io.File;
import java.text.SimpleDateFormat;
import java.sql.*;
import java.util.Date;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

public class LapPenjualan extends javax.swing.JFrame {
    Connection Con;
    ResultSet RsJual;
    Statement stm;
    PreparedStatement pstat;
    String tgl1, tgl2;
    private Object[][] dataTable = null;
    private String[] header = { "No Jual", "Tanggal", "Nama Konsumen", "Kode
Barang", "Nama Barang", "Harga Satuan",
            "Jumlah", "Total" };
    DefaultTableModel tableModel = new DefaultTableModel(new Object[][] {},
header);
```

```java
    public LapPenjualan() {
        initComponents();
        dtAwal.setDate(new Date());
        dtAkhir.setDate(new Date());
        open_db();
        baca_data();
    }

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

    private void baca_data() {
        try {
            SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");
            tgl1 = sdf.format(dtAwal.getDate());
            tgl2 = sdf.format(dtAkhir.getDate());
            stm = Con.createStatement();
            pstat = Con.prepareStatement(
                    "SELECT
a.no_jual,a.tgl_jual,c.nm_kons,d.kd_brg,d.nm_brg,b.harga_jual,b.jml_jual,(b.
harga_jual*b.jml_jual) AS 'totjual' "
                        +
                        "FROM jual a LEFT JOIN djual b ON
(a.no_jual=b.no_jual) "
                        + "LEFT JOIN konsumen c ON (a.kd_kons=c.kd_kons)
"
                        + "LEFT JOIN barang d ON (b.kd_brg=d.kd_brg)" +
"where date(a.tgl_jual)>=" + "date('" + tgl1
                        + "') and date(a.tgl_jual)<=" + "date('" + tgl2
+ "')order by a.tgl_jual desc",
                    ResultSet.TYPE_SCROLL_SENSITIVE,
ResultSet.CONCUR_UPDATABLE);
            RsJual = pstat.executeQuery();
            ResultSetMetaData meta = RsJual.getMetaData();
            int col = meta.getColumnCount();
            int baris = 0;
            while (RsJual.next()) {
                baris = RsJual.getRow();
            }
            dataTable = new Object[baris][col];
            int x = 0;
```

```java
                RsJual.beforeFirst();
                while (RsJual.next()) {
                    dataTable[x][0] = RsJual.getString("no_jual");
                    dataTable[x][1] = RsJual.getDate("tgl_jual");
                    dataTable[x][2] = RsJual.getString("nm_kons");
                    dataTable[x][3] = RsJual.getString("kd_brg");
                    dataTable[x][4] = RsJual.getString("nm_brg");
                    dataTable[x][5] = RsJual.getDouble("harga_jual");
                    dataTable[x][6] = RsJual.getInt("jml_jual");
                    dataTable[x][7] = RsJual.getDouble("totjual");
                    x++;
                }
                tblLapJual.setModel(new DefaultTableModel(dataTable, header));
        } catch (SQLException e) {
            JOptionPane.showMessageDialog(null, e);
        }
    }

    /**
     * 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() {

        jLocaleChooser1 = new com.toedter.components.JLocaleChooser();
        jDayChooser2 = new com.toedter.calendar.JDayChooser();
        dtAwal = new com.toedter.calendar.JDateChooser();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        dtAkhir = new com.toedter.calendar.JDateChooser();
        cmdCari = new javax.swing.JButton();
        jScrollPane1 = new javax.swing.JScrollPane();
        tblLapJual = new javax.swing.JTable();
        cmdExport = new javax.swing.JButton();
        cmdKeluar = new javax.swing.JButton();
        jLabel3 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        dtAwal.setDateFormatString("yyyy-MM-dd");

        jLabel1.setText("Tgl");
```

```java
        jLabel2.setText("s/d");

        dtAkhir.setDateFormatString("yyyy-MM-dd");

        cmdCari.setText("Cari");
        cmdCari.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                cmdCariActionPerformed(evt);
            }
        });

        tblLapJual.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, null, null, null, null }
            },
            new String[] {
                "No Jual", "Tanggal", "Nama Konsumen", "Kode
Barang", "Nama Barang", "Harga Satuan", "Jumlah",
                "Total"
            }));
        jScrollPane1.setViewportView(tblLapJual);

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

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

        jLabel3.setFont(new java.awt.Font("Segoe UI", 0, 18)); // NOI18N
        jLabel3.setText("LAPORAN TRANSAKSI PENJUALAN");

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
```
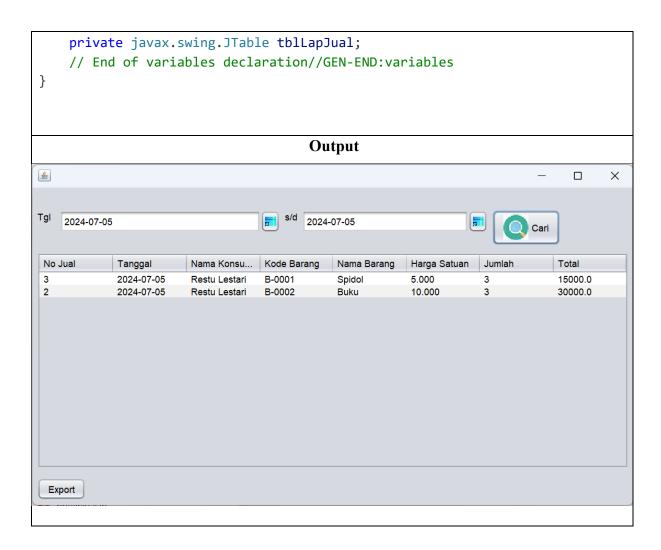
```java
                    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(layout.createSequentialGroup()
                            .addContainerGap()
                            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                .addGroup(layout.createSequentialGroup()
                                    .addGroup(layout
                                        .createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout
                                            .createSequentialGroup()
                                            .addComponent(cmdExport)
                                            .addPreferredGap(
                                                javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                                                javax.swing.GroupLayout.DEFAULT_SIZE,
                                                Short.MAX_VALUE)
                                            .addComponent(cmdKeluar))
                                        .addGroup(layout.createSequentialGroup()
                                            .addComponent(jScrollPane1,
                                                javax.swing.GroupLayout.PREFERRED_SIZE, 832,
                                                javax.swing.GroupLayout.PREFERRED_SIZE)
                                            .addGap(0, 0, Short.MAX_VALUE)))
                                    .addContainerGap())
                                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout
                                    .createSequentialGroup()
                                    .addGap(0, 0, Short.MAX_VALUE)
                                    .addGroup(layout
                                        .createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                        .addGroup(layout.createSequentialGroup()
```

```java
                    .addGap(6, 6, 6)
                    .addComponent(jLabel1)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                    .addComponent(dtAwal, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                    .addComponent(jLabel2)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                    .addComponent(dtAkhir, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
                        .addComponent(jLabel3)
                        .addGap(280, 280, 280))
```

```java
                                            .addGroup(ja
vax.swing.GroupLayout.Alignment.TRAILING,
                                                    layo
ut.createSequentialGroup()

    .addComponent(cmdCari)

    .addGap(390, 390, 390))))))))));
        layout.setVerticalGroup(
                layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
                        .addGroup(layout.createSequentialGroup()
                                .addGap(8, 8, 8)
                                .addComponent(jLabel3)
                                .addGap(36, 36, 36)
                                .addGroup(layout.createParallelGroup(javax.s
wing.GroupLayout.Alignment.LEADING, false)
                                        .addComponent(dtAkhir,
javax.swing.GroupLayout.Alignment.TRAILING,
                                                javax.swing.GroupLayout.DEFA
ULT_SIZE,
                                                javax.swing.GroupLayout.DEFA
ULT_SIZE, Short.MAX_VALUE)
                                        .addComponent(dtAwal,
javax.swing.GroupLayout.Alignment.TRAILING,
                                                javax.swing.GroupLayout.DEFA
ULT_SIZE,
                                                javax.swing.GroupLayout.DEFA
ULT_SIZE, Short.MAX_VALUE)
                                        .addComponent(jLabel1,
javax.swing.GroupLayout.Alignment.TRAILING,
                                                javax.swing.GroupLayout.DEFA
ULT_SIZE,
                                                javax.swing.GroupLayout.DEFA
ULT_SIZE, Short.MAX_VALUE)
                                        .addComponent(jLabel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
                                                javax.swing.GroupLayout.DEFA
ULT_SIZE, Short.MAX_VALUE))
                                .addPreferredGap(javax.swing.LayoutStyle.Com
ponentPlacement.RELATED)
                                .addComponent(cmdCari)
                                .addPreferredGap(javax.swing.LayoutStyle.Com
ponentPlacement.UNRELATED)
                                .addComponent(jScrollPane1,
javax.swing.GroupLayout.DEFAULT_SIZE, 179, Short.MAX_VALUE)
                                .addGap(18, 18, 18)
```

```java
                                    .addGroup(layout.createParallelGroup(javax.s
wing.GroupLayout.Alignment.BASELINE)
                                        .addComponent(cmdExport)
                                        .addComponent(cmdKeluar))
                                    .addGap(12, 12, 12)));

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

    private void cmdCariActionPerformed(java.awt.event.ActionEvent evt) {//
GEN-FIRST:event_cmdCariActionPerformed
        baca_data();
    }// GEN-LAST:event_cmdCariActionPerformed

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

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

    /**
     * @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 {
```

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

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

    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JButton cmdCari;
    private javax.swing.JButton cmdExport;
    private javax.swing.JButton cmdKeluar;
    private com.toedter.calendar.JDateChooser dtAkhir;
    private com.toedter.calendar.JDateChooser dtAwal;
    private com.toedter.calendar.JDayChooser jDayChooser2;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private com.toedter.components.JLocaleChooser jLocaleChooser1;
    private javax.swing.JScrollPane jScrollPane1;
```

```java
        private javax.swing.JTable tblLapJual;
        // End of variables declaration//GEN-END:variables
}
```

Output

Export to Excel

ExportToExcel.java

```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 {
```

```java
    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