

Dokumentasi Praktikum PBO 12B

Mata Kuliah : PBO - TI - S1
Pertemuan : 12B
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Nama : Yohanes Dimas Pratama

Contoh Program Exception

Hasil Program:

Data Transaksi Barang Masuk

ID Barang	Kode Barang	Nama Barang	Kategori Barang	Stok	Satuan	Tanggal
1	V001	HSR Labang	Velg	45	Pcs	2023-07-01
2	BK001	Brio RS Urbanite	Body Kit	31	Pcs	2023-07-02
3	BP001	Pro7 3inch 75w...	Bi-Led Projector	30	Pcs	2023-07-03
4	E001	Alpino Full Syst...	Exhaust	50	Pcs	2023-07-04
5	C001	Modesta 3 Layer	Coating	200	Pcs	2023-07-05
6	V002	HSR Okane	Velg	10	Pcs	2023-07-06
7	E002	HKS Full System	Exhaust	10	Pcs	2023-07-07
8	BP002	Autovision 3inc...	Bi-Led Projector	12	Pcs	2023-07-08
9	BP003	Hyperion 3inch	Bi-Led Projector	22	Pcs	2023-07-09
10	C002	Gyeon 2 Layer	Coating	50	Pcs	2023-07-10

Jumlah Data : 10 Baris ID Data : 9

Form Transaksi Barang Masuk

Kode: BP003
Nama: Hyperion 3inch 90watt
Kategori: Bi-Led Projector
Satuan: 22
Stok: Pcs
Tanggal: Jul 9, 2023

Masukkan Barang

Code Program:

*Form_BarangMasuk.java

```
package inventori_barang;
```

```
import java.awt.Color;
```

```
import java.sql.Connection;
```

```
import java.sql.PreparedStatement;
```

```
import java.sql.SQLException;
```

```
import java.text.SimpleDateFormat;
```

```

import java.util.Date;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import javax.swing.table.JTableHeader;
import net.proteanit.sql.DbUtils;

public class Form_BarangMasuk extends javax.swing.JDialog {

    inventori_barang.Connection_DB konek = new
    inventori_barang.Connection_DB();

    public Form_BarangMasuk(java.awt.Frame parent, boolean modal) {
        super(parent, modal);
        initComponents();

        SelectKategori();
        txttemp_kode.hide();
        txtid_kategori.hide();
        GetData();
        BtnEnabled(false);
        btnsave.setText("Masukkan Barang");
    }

    private void SelectKategori() {
        try {
            Connection conn = konek.openkoneksi();
            java.sql.Statement stm = conn.createStatement();
            java.sql.ResultSet rs = stm.executeQuery("SELECT * FROM
            tmkategori");

            cmbid_kategori.addItem("Pilih");

```

```

        while (rs.next()) {
            cmbid_kategori.addItem(rs.getString("nama"));
        }
        konek.closekoneksi();
    } catch (SQLException e) {
        JOptionPane.showMessageDialog(null, "Error " + e);
    } catch (ClassNotFoundException ex) {

Logger.getLogger(Form_BarangMasuk.class.getName()).log(Level.SEVERE, null,
ex);

    }
}

private void TxtEmpty() {
    txtid.setText("");
    txtkode.setText("");
    txtnama.setText("");
    txtsatuan.setText("");
    txtstok.setText("");
    txtid_kategori.setText("");
    txttemp_kode.setText("");
    cmbid_kategori.setSelectedItem("Pilih");
    txttanggal.setDate(null);
}

private void BtnEnabled(boolean x) {
    btncedit.setEnabled(x);
}

private void GetData() {
    try {
        Connection conn = konek.openkoneksi();
        java.sql.Statement stm = conn.createStatement();
    }
}

```

```

        java.sql.ResultSet sql = stm.executeQuery("SELECT tmbarang.id,
tmbarang.kode, tmbarang.nama, tmkategori.nama as kategori, tmbarang.stok,
tmbarang.satuan, tmbarang.tanggal FROM tmbarang JOIN tmkategori ON
tmkategori.id = tmbarang.id_kategori");

        DefaultTableModel model = (DefaultTableModel)
DbUtils.resultSetToTableModel(sql);

        datatable.setModel(model);

        datatable.getColumnModel().getColumn(0).setPreferredWidth(7);
        datatable.getColumnModel().getColumn(1).setPreferredWidth(20);
        datatable.getColumnModel().getColumn(2).setPreferredWidth(90);
        datatable.getColumnModel().getColumn(3).setPreferredWidth(60);
        datatable.getColumnModel().getColumn(4).setPreferredWidth(40);
        datatable.getColumnModel().getColumn(5).setPreferredWidth(25);
        datatable.getColumnModel().getColumn(6).setPreferredWidth(40);

        JTableHeader header = datatable.getTableHeader();

        String[] columnNames = {"ID Barang", "Kode Barang", "Nama Barang",
"Kategori Barang", "Stok", "Satuan", "Tanggal"};

        header.setReorderingAllowed(false);

        model.setColumnIdentifiers(columnNames);

        String count_rows = String.valueOf(model.getRowCount());

        lblcount_rows.setText("Jumlah Data : " + count_rows);
    } catch (SQLException e) {

        JOptionPane.showMessageDialog(null, "Error " + e);

    } catch (ClassNotFoundException ex) {

        Logger.getLogger(Form_BarangMasuk.class.getName()).log(Level.SEVERE, null,
ex);

    }

}

private void GetData_View() {

```

```

        int row = datatable.getSelectedRow();
        String row_id = datatable.getModel().getValueAt(row, 0).toString();
        String row_txttemp_kode = datatable.getModel().getValueAt(row,
0).toString();
        String row_txtkode = datatable.getModel().getValueAt(row,
1).toString();
        String row_txtnama = datatable.getModel().getValueAt(row,
2).toString();
        String row_txtkategori = datatable.getModel().getValueAt(row,
3).toString();
        String row_txtsatuan = datatable.getModel().getValueAt(row,
4).toString();
        String row_txtstok = datatable.getModel().getValueAt(row,
5).toString();
        Date row_txttanggal = (Date) datatable.getModel().getValueAt(row, 6);

        txtid.setText(row_id);
        txttemp_kode.setText(row_txttemp_kode);
        txtkode.setText(row_txtkode);
        txtnama.setText(row_txtnama);
        cmbid_kategori.setSelectedItem(row_txtkategori);
        txtsatuan.setText(row_txtsatuan);
        txtstok.setText(row_txtstok);
        txttanggal.setDate(row_txttanggal);

        BtnEnabled(true);
    }

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

        btnedit = new javax.swing.JButton();
        panel = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();

```

```

jLabel2 = new javax.swing.JLabel();
txtkode = new javax.swing.JTextField();
jLabel4 = new javax.swing.JLabel();
txtnama = new javax.swing.JTextField();
jLabel6 = new javax.swing.JLabel();
jLabel3 = new javax.swing.JLabel();
txtstok = new javax.swing.JTextField();
cmbid_kategori = new javax.swing.JComboBox<>();
txtsatuan = new javax.swing.JTextField();
jLabel9 = new javax.swing.JLabel();
txttanggal = new com.toedter.calendar.JDateChooser();
btnsave = new javax.swing.JButton();
txttemp_kode = new javax.swing.JTextField();
jScrollPane1 = new javax.swing.JScrollPane();
datatable = new javax.swing.JTable(){
    public boolean isCellEditable(int rowIndex, int colIndex) {
        return false;
    }
};
jLabel5 = new javax.swing.JLabel();
jScrollPane2 = new javax.swing.JScrollPane();
txtid = new javax.swing.JTextField();
lbl_action = new javax.swing.JLabel();
jLabel7 = new javax.swing.JLabel();
jPanel1 = new javax.swing.JPanel();
jLabel8 = new javax.swing.JLabel();
lblcount_rows = new javax.swing.JLabel();
txtid_kategori = new javax.swing.JTextField();
btncancel = new javax.swing.JButton();

```

```

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
setTitle("Dimpra Autocar 777");

```

```

        btnedit.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        btnedit.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/inventori_barang/img/edit.png")
)); // NOI18N

        btnedit.setText("Pilih");
        btnedit.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btneditActionPerformed(evt);
            }
        });

        panel.setBorder(javax.swing.BorderFactory.createTitledBorder(""));
        panel.setForeground(new java.awt.Color(245, 245, 245));
        panel.setEnabled(false);

        jLabel1.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        jLabel1.setLabelFor(txtkode);
        jLabel1.setText("Kode");

        jLabel2.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        jLabel2.setLabelFor(txtnama);
        jLabel2.setText("Nama");

        txtkode.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        txtkode.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtkodeActionPerformed(evt);
            }
        });

        jLabel4.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        jLabel4.setLabelFor(txtsatuan);

```

```

jLabel4.setText("Kategori");

txtnama.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
txtnama.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txtnamaActionPerformed(evt);
    }
});
txtnama.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtnamaKeyTyped(evt);
    }
});

jLabel6.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
jLabel6.setText("Stok");
jLabel6.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        jLabel6KeyTyped(evt);
    }
});

jLabel3.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
jLabel3.setText("Satuan");

txtstok.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
txtstok.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txtstokActionPerformed(evt);
    }
});
txtstok.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {

```



```

        txtstokKeyTyped(evt);
    }
});

cmbid_kategori.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
cmbid_kategori.addItemListener(new java.awt.event.ItemListener() {
    public void itemStateChanged(java.awt.event.ItemEvent evt) {
        cmbid_kategoriItemStateChanged(evt);
    }
});
cmbid_kategori.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmbid_kategoriActionPerformed(evt);
    }
});

txtsatuan.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N

jLabel9.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
jLabel9.setText("Tanggal");
jLabel9.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        jLabel9KeyTyped(evt);
    }
});

btnsave.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
btnsave.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/inventori_barang/img/save.png")
)); // NOI18N

btnsave.setText("Masukkan Barang");
btnsave.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {

```

```

        btnSaveActionPerformed(evt);
    }
});

    javax.swing.GroupLayout panelLayout = new
    javax.swing.GroupLayout(panel);
    panel.setLayout(panelLayout);
    panelLayout.setHorizontalGroup(

panelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
panelLayout.createSequentialGroup()
            .addComponent(btnsave,
                javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                Short.MAX_VALUE)
            .addGroup(panelLayout.createSequentialGroup()

                .addGroup(panelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                    .addComponent(jLabel4,
                        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                        Short.MAX_VALUE)
                    .addComponent(jLabel2,
                        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                        Short.MAX_VALUE)
                    .addComponent(jLabel1,
                        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                        Short.MAX_VALUE)
                    .addComponent(jLabel9)
                    .addComponent(jLabel13)
                    .addComponent(jLabel6))
                .addGap(18, 18, 18)

                .addGroup(panelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(btnsaveActionPerformed(evt);
                }
            });
        });
    }
});

    javax.swing.GroupLayout panelLayout = new
    javax.swing.GroupLayout(panel);
    panel.setLayout(panelLayout);
    panelLayout.setHorizontalGroup(

panelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
panelLayout.createSequentialGroup()
            .addComponent(btnsave,
                javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                Short.MAX_VALUE)
            .addGroup(panelLayout.createSequentialGroup()

                .addGroup(panelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                    .addComponent(jLabel4,
                        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                        Short.MAX_VALUE)
                    .addComponent(jLabel2,
                        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                        Short.MAX_VALUE)
                    .addComponent(jLabel1,
                        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                        Short.MAX_VALUE)
                    .addComponent(jLabel9)
                    .addComponent(jLabel13)
                    .addComponent(jLabel6))
                .addGap(18, 18, 18)

                .addGroup(panelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(btnsaveActionPerformed(evt);
                }
            });
        });
    }
});

```

```

        .addComponent(txtsatuan,
javax.swing.GroupLayout.Alignment.TRAILING)

        .addComponent(txtkode,
javax.swing.GroupLayout.Alignment.TRAILING)

        .addComponent(txtnama,
javax.swing.GroupLayout.Alignment.TRAILING)

        .addComponent(txttanggal,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

        .addComponent(cmbid_kategori,
javax.swing.GroupLayout.Alignment.TRAILING, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addComponent(txtstok))))

    .addContainerGap())

);

panelLayout.setVerticalGroup(

panelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

    .addGroup(panelLayout.createSequentialGroup())

        .addContainerGap()

    .addGroup(panelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

        .addGroup(panelLayout.createSequentialGroup())

    .addGroup(panelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(jLabel1)

        .addComponent(txtkode,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(18, 18, 18)

    .addGroup(panelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel2,
javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addComponent(txtnama,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(18, 18, 18)

    .addGroup(panelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.BA
SELINE)

        .addComponent(jLabel4)

        .addComponent(cmbid_kategori,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(18, 18, 18)

    .addGroup(panelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)

        .addComponent(jLabel3)

        .addComponent(txtsatuan,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(18, 18, 18)

    .addGroup(panelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)

        .addComponent(jLabel6)

        .addComponent(txtstok,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(18, 18, 18)

        .addComponent(txttanggal,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addComponent(jLabel9))

        .addGap(18, 18, 18)

        .addComponent(btnsave)

        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))

    );

    txttemp_kode.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N

```

[illegible]

```

        {null, null, null, null, null, null, null}
    },
    new String [] {
        "ID", "Kode", "Nama", "Kategori", "Satuan", "Stok", "Tanggal"
    }
));

datatable.setSelectionMode(javax.swing.ListSelectionModel.SINGLE_SELECTION);
datatable.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        datatableMouseClicked(evt);
    }
    public void mouseReleased(java.awt.event.MouseEvent evt) {
        datatableMouseReleased(evt);
    }
});
datatable.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyPressed(java.awt.event.KeyEvent evt) {
        datatableKeyPressed(evt);
    }
    public void keyReleased(java.awt.event.KeyEvent evt) {
        datatableKeyReleased(evt);
    }
});
jScrollPane1.setViewportViewView(datatable);

jLabel5.setFont(new java.awt.Font("Lucida Grande", 0, 24)); // NOI18N

txtid.setBorder(null);
txtid.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
txtid.setForeground(new java.awt.Color(43, 152, 240));
txtid.setToolTipText("");
txtid.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT_CURSOR));

```

```

txtid.setEnabled(false);
txtid.setFocusable(false);
jScrollPane2.setViewportViewView(txtid);

lbl_action.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
lbl_action.setText("Form Transaksi Barang Masuk");

jLabel7.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
jLabel7.setLabelFor(txtid);
jLabel7.setText("Baris ID Data");

jPanel1.setBackground(new java.awt.Color(255, 105, 105));

jLabel8.setFont(new java.awt.Font("Dialog", 3, 36)); // NOI18N
jLabel8.setForeground(new java.awt.Color(255, 255, 255));
jLabel8.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel8.setText("Data Transaksi Barang Masuk");

javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel8, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel8, javax.swing.GroupLayout.DEFAULT_SIZE, 70,
Short.MAX_VALUE)
    );

```

```

        lblcount_rows.setFont(new java.awt.Font("Lucida Grande", 0, 18)); //
NOI18N
        lblcount_rows.setText("Jumlah Data");

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

        btncancel.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N
        btncancel.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/inventori_barang/img/delete.png
"))); // NOI18N
        btncancel.setText("Batal");
        btncancel.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btncancelActionPerformed(evt);
            }
        });

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

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
                .addGroup(layout.createSequentialGroup()

```



```

        .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 700,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)

        .addGroup(layout.createSequentialGroup()
            .addComponent(lbl_action)
            .addGap(18, 18, 18)
            .addComponent(txtid_kategori,
javax.swing.GroupLayout.PREFERRED_SIZE, 25,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(panel,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addGroup(layout.createSequentialGroup()
            .addComponent(lblcount_rows)
            .addGap(18, 18, 18)
            .addComponent(txttemp_kode,
javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(jLabel17)
            .addGap(18, 18, 18)
            .addComponent(jScrollPane2,
javax.swing.GroupLayout.DEFAULT_SIZE, 53, Short.MAX_VALUE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()

        .addComponent(btncancel,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

        .addGap(18, 18, 18)

        .addComponent(btncancel))))

        .addComponent(jLabel15))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))

```

```

);
layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
)
        .addGroup(layout.createSequentialGroup()

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE
)
        .addComponent(btnedit)
        .addComponent(btncancel))
        .addGap(18, 18, 18)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
)

    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(lblcount_rows)
        .addComponent(txttemp_kode,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel17))
        .addComponent(jScrollPane2,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE
)
        .addComponent(lbl_action)

```

```

        .addComponent(txtid_kategori,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(18, 18, 18)

        .addComponent(panel,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 520,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addComponent(jLabel15)

    );

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

```

```

private void btnsaveActionPerformed(java.awt.event.ActionEvent evt) {

```

```

    String row_id = txtid.getText();
    String row_txttemp_kode = txttemp_kode.getText();
    String row_txtkode = txtkode.getText();
    String row_txtnama = txtnama.getText();
    String row_txtkategori = txtid_kategori.getText();
    String row_txtsatuan = txtsatuan.getText();
    String row_txtstok = txtstok.getText();
    SimpleDateFormat dateFormat = new SimpleDateFormat("yyyy-MM-dd");
    String row_txttanggal = dateFormat.format(txttanggal.getDate());
    int c_kode = 0;

    if (!"".equals(row_txtkode) && !"".equals(row_txtnama) &&
!"".equals(row_txtkategori) && !"".equals(row_txtsatuan) &&
!"".equals(row_txtstok) && !"".equals(row_txttanggal)) {

        try {

```

```

        Connection conn = konek.openkoneksi();

        java.sql.Statement stm = conn.createStatement();

        java.sql.ResultSet sql = stm.executeQuery("SELECT
COUNT(tmbarang.id) as count FROM tmbarang WHERE tmbarang.kode='" + row_txtkode
+ "'");

        sql.next();

        c_kode = sql.getInt("count");

        konek.closekoneksi();

    } catch (SQLException e) {

        JOptionPane.showMessageDialog(null, "Error " + e);

    } catch (ClassNotFoundException ex) {

        Logger.getLogger(Form_BarangMasuk.class.getName()).log(Level.SEVERE, null,
ex);

    }

    if ("".equals(row_id)) {

        if (c_kode == 0) {

            try {

                Connection conn = konek.openkoneksi();

                java.sql.Statement stm = conn.createStatement();

                String query = "INSERT INTO tmbarang(kode, nama,
id_kategori, satuan, stok, tanggal) VALUES (?, ?, ?, ?, ?, ?)";

                PreparedStatement pstmt =
conn.prepareStatement(query);

                pstmt.setString(1, row_txtkode);

                pstmt.setString(2, row_txtnama);

                pstmt.setString(3, row_txtkategori);

                pstmt.setString(4, row_txtsatuan);

                pstmt.setString(5, row_txtstok);

                pstmt.setString(6, row_txttanggal);

                pstmt.executeUpdate();

```

```

        JOptionPane.showMessageDialog(null, "Berhasil
menyimpan data.");

        konek.closekoneksi();
        GetData();
    } catch (SQLException e) {
        JOptionPane.showMessageDialog(null, "Error " + e);
    } catch (ClassNotFoundException ex) {

Logger.getLogger(Form_Barang.class.getName()).log(Level.SEVERE, null, ex);
    }
    } else {
        JOptionPane.showMessageDialog(null, "Kode barang sudah
pernah disimpan.", "Gagal Disimpan", JOptionPane.ERROR_MESSAGE);
    }
    } else {
        if (c_kode == 0 || row_txtkode.equals(row_txttemp_kode)) {
            try {
                Connection conn = konek.openkoneksi();
                java.sql.Statement stm = conn.createStatement();
                String query = "UPDATE tmbarang SET kode=?, nama=?,
id_kategori=?, satuan=?, stok=stok+?, tanggal=? WHERE id=?";
                PreparedStatement pstmt =
conn.prepareStatement(query);

                pstmt.setString(1, row_txtkode);
                pstmt.setString(2, row_txtnama);
                pstmt.setString(3, row_txtkategori);
                pstmt.setString(4, row_txtsatuan);
                pstmt.setString(5, row_txtstok);
                pstmt.setString(6, row_txttanggal);
                pstmt.setString(7, row_id);

                pstmt.executeUpdate();

```

```

        JOptionPane.showMessageDialog(null, "Berhasil mengubah
data.");

        konek.closekoneksi();
        GetData();
    } catch (SQLException e) {
        JOptionPane.showMessageDialog(null, "Error " + e);
    } catch (ClassNotFoundException ex) {

Logger.getLogger(Form_BarangMasuk.class.getName()).log(Level.SEVERE, null,
ex);

    }

    } else {
        JOptionPane.showMessageDialog(null, "Kode barang sudah
pernah disimpan.", "Gagal Disimpan", JOptionPane.ERROR_MESSAGE);
    }
}
} else {
    JOptionPane.showMessageDialog(null, "Terdapat inputan yang
kosong.");
}
}

private void txtkodeActionPerformed(java.awt.event.ActionEvent evt) {

}

private void txtnamaActionPerformed(java.awt.event.ActionEvent evt) {

}

private void btncancelActionPerformed(java.awt.event.ActionEvent evt) {

```

```

    }

    private void datatableMouseClicked(java.awt.event.MouseEvent evt) {

        GetData_View();

    }

    private void datatableKeyPressed(java.awt.event.KeyEvent evt) {

    }

    private void datatableKeyReleased(java.awt.event.KeyEvent evt) {

        GetData_View();

    }

    private void datatableMouseReleased(java.awt.event.MouseEvent evt) {

        GetData_View();

    }

    private void txtnamaKeyTyped(java.awt.event.KeyEvent evt) {

    }

    private void cmbid_kategoriItemStateChanged(java.awt.event.ItemEvent evt)
{

        String nm_kategori = cmbid_kategori.getSelectedItem().toString();
        if (!nm_kategori.equals("")) {
            try {

```

```

        Connection conn = konek.openkoneksi();
        java.sql.Statement stm = conn.createStatement();
        java.sql.ResultSet sql = stm.executeQuery("SELECT id FROM
tmkategori WHERE nama='" + nm_kategori + "'");
        if (sql.next()) {
            txtid_kategori.setText(sql.getString("id"));
        }
        konek.closekoneksi();
    } catch (SQLException e) {
        JOptionPane.showMessageDialog(null, "Error " + e);
    } catch (ClassNotFoundException ex) {

Logger.getLogger(Form_BarangKeluar.class.getName()).log(Level.SEVERE, null,
ex);

    }
    } else {
        txtid_kategori.setText("");
    }
}

private void jLabel6KeyTyped(java.awt.event.KeyEvent evt) {

}

private void txtstokKeyTyped(java.awt.event.KeyEvent evt) {

    char c = evt.getKeyChar();
    if (Character.isWhitespace(c)) {
        JOptionPane.showMessageDialog(null, "Inputan tidak boleh
mengandung spasi", "Illegal Input", JOptionPane.ERROR_MESSAGE);
        evt.consume();
    }
}
}

```



```

        txttanggal.setDate(tanggal);
    } else {
        txttanggal.setDate(null);
    }
    txttemp_kode.setText(kode);
    txtkode.requestFocus();
}
konek.closekoneksi();
} catch (SQLException e) {
    JOptionPane.showMessageDialog(null, "Error " + e);
} catch (ClassNotFoundException ex) {

Logger.getLogger(Form_BarangMasuk.class.getName()).log(Level.SEVERE, null,
ex);

    }
    } else {
        JOptionPane.showMessageDialog(null, "Terdapat kesalahan id
null!");
    }
}

private void cmbid_kategoriActionPerformed(java.awt.event.ActionEvent evt)
{

}

private void txtid_kategoriActionPerformed(java.awt.event.ActionEvent evt)
{

}

public static void main(String args[]) {
    java.awt.EventQueue.invokeLater(() -> {
        Form_BarangMasuk dialog = new Form_BarangMasuk(new
javax.swing.JFrame(), true);

```

```

        dialog.addWindowListener(new java.awt.event.WindowAdapter() {
            @Override
            public void windowClosing(java.awt.event.WindowEvent e) {
                System.exit(0);
            }
        });
        dialog.setVisible(true);
    });
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton btncancel;
private javax.swing.JButton btncedit;
private javax.swing.JButton btncsave;
private javax.swing.JComboBox<String> cmbid_kategori;
private javax.swing.JTable datatable;
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.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JScrollPane jScrollPane2;
private javax.swing.JLabel lbl_action;
private javax.swing.JLabel lblcount_rows;
private javax.swing.JPanel panel;
private javax.swing.TextPane txtid;

```

```
private javax.swing.JTextField txtid_kategori;
private javax.swing.JTextField txtkode;
private javax.swing.JTextField txtnama;
private javax.swing.JTextField txtsatuan;
private javax.swing.JTextField txtstok;
private com.toedter.calendar.JDateChooser txttanggal;
private javax.swing.JTextField txttemp_kode;
// End of variables declaration
}
```