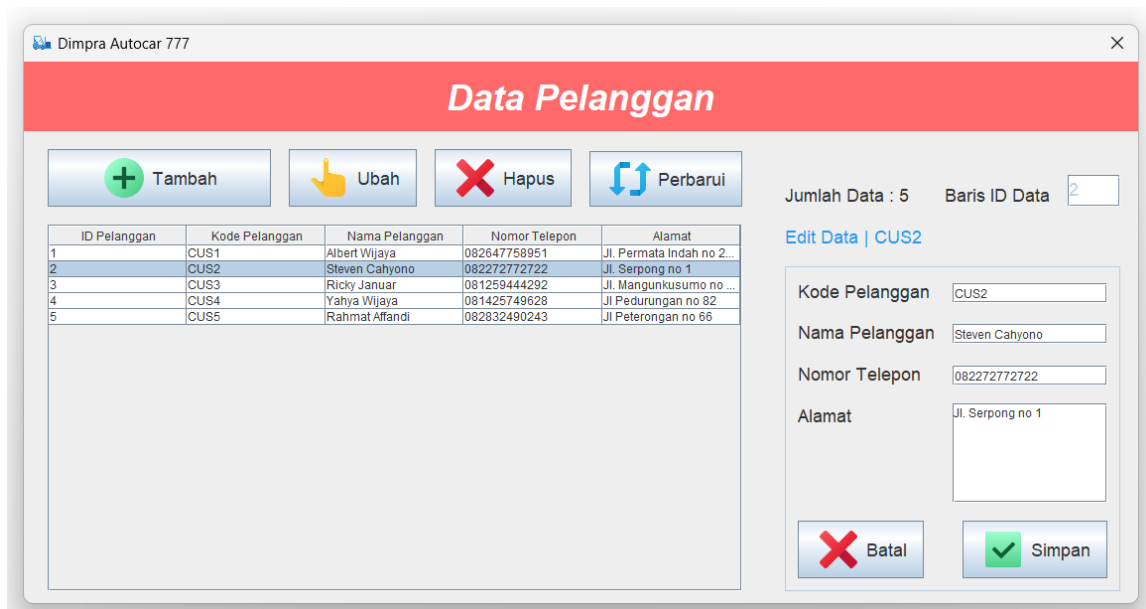# Dokumentasi Praktikum PBO 11

Mata Kuliah   :   PBO - TI - S1

Pertemuan   :   11

NIM   :   A11.2021.13254

Nama   :   Yohanes Dimas Pratama

Program Data Pelanggan

Hasil Program:

Code Program:

*Membuat database dimpra_autocar dan membuat table tmpelanggan

*Form_Pelanggan.java

```java
package inventori_barang;

import java.awt.Color;

import java.awt.event.KeyEvent;
import java.sql.Connection;
import java.sql.SQLException;
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_Pelanggan extends javax.swing.JDialog {

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

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

        txttemp_kode.hide();
        GetData();
        BtnEnabled(false);
        btnsave.setText("Simpan");
    }

    private void TxtEmpty() {
        txtid.setText("");
        txtkode.setText("");
```

```java
      txtnama.setText("");

      txttelp.setText("");

      txtalamat.setText("");

      txttemp_kode.setText("");

   }


   private void BtnEnabled(boolean x) {

      btnedit.setEnabled(x);

      btndelete.setEnabled(x);

   }


   private void GetData() {

      try {

         Connection conn = konek.openkoneksi();

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

         java.sql.ResultSet sql = stm.executeQuery("SELECT tmpelanggan.id, tmpelanggan.kode,
tmpelanggan.nama, tmpelanggan.no_telp, tmpelanggan.alamat FROM tmpelanggan");


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

         datatable.setModel(model);


         datatable.getColumnModel().getColumn(0).setPreferredWidth(35);

         datatable.getColumnModel().getColumn(1).setPreferredWidth(70);

         datatable.getColumnModel().getColumn(2).setPreferredWidth(100);

         datatable.getColumnModel().getColumn(3).setPreferredWidth(80);

         datatable.getColumnModel().getColumn(4).setPreferredWidth(100);


         JTableHeader header = datatable.getTableHeader();

         String[] columnNames = {"ID Pelanggan", "Kode Pelanggan", "Nama Pelanggan", "Nomor
Telepon", "Alamat"};

         header.setReorderingAllowed(false);

         model.setColumnIdentifiers(columnNames);
```

```java
        String count_rows = String.valueOf(datatable.getRowCount());

        lblcount_rows.setText("Jumlah Data : " + count_rows);

        konek.closekoneksi();

    } catch (SQLException e) {

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

    } catch (ClassNotFoundException ex) {

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

    }

}


private void GetData_View() {

    int row = datatable.getSelectedRow();

    String row_id = (datatable.getModel().getValueAt(row, 0).toString());

    txtid.setText(row_id);

    BtnEnabled(true);

}


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


    btnedit = new javax.swing.JButton();

    panel = new javax.swing.JPanel();

    txttelp = new javax.swing.JTextField();

    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();
```

```java
btnsave = new javax.swing.JButton();

btncancel = new javax.swing.JButton();

jScrollPane3 = new javax.swing.JScrollPane();

txtalamat = new javax.swing.JTextArea();

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.JTextPane();

lbl_action = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

btnadd = new javax.swing.JButton();

btndelete = new javax.swing.JButton();

jPanel1 = new javax.swing.JPanel();

jLabel8 = new javax.swing.JLabel();

lblcount_rows = new javax.swing.JLabel();

jButton1 = 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("Ubah");

btnedit.addActionListener(new java.awt.event.ActionListener() {
```

```java
    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);


txttelp.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        txttelpActionPerformed(evt);

    }

});

txttelp.addKeyListener(new java.awt.event.KeyAdapter() {

    public void keyTyped(java.awt.event.KeyEvent evt) {

        txttelpKeyTyped(evt);

    }

});


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

jLabel1.setLabelFor(txtkode);

jLabel1.setText("Kode Pelanggan");


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

jLabel2.setLabelFor(txtnama);

jLabel2.setText("Nama Pelanggan");


txtkode.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        txtkodeActionPerformed(evt);
```

```java
    }
});


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

jLabel4.setLabelFor(txttelp);

jLabel4.setText("Nomor Telepon");


txtnama.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        txtnamaActionPerformed(evt);

    }

});


jLabel6.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N

jLabel6.setText("Alamat");


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("Simpan");

btnsave.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        btnsaveActionPerformed(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) {
```

```java
                btncancelActionPerformed(evt);
            }
        });


        txtalamat.setColumns(10);

        txtalamat.setRows(3);

        jScrollPane3.setViewportView(txtalamat);


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

        panel.setLayout(panelLayout);

        panelLayout.setHorizontalGroup(

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

            .addGroup(panelLayout.createSequentialGroup()

                .addContainerGap()

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

                    .addComponent(jLabel4)

                    .addComponent(jLabel2)

                    .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 128,
javax.swing.GroupLayout.PREFERRED_SIZE)

                    .addComponent(jLabel1)

                    .addComponent(btncancel))

                .addGap(18, 18, 18)

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

                    .addComponent(txtnama)

                    .addComponent(txttelp)

                    .addComponent(jScrollPane3)

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

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

                        .addGap(0, 0, Short.MAX_VALUE)

                        .addComponent(btnsave)))

                .addContainerGap())
```

```java
    );
    panelLayout.setVerticalGroup(

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

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

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

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

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

                .addComponent(jLabel1))

            .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.BASELINE)

                .addComponent(jLabel4)

                .addComponent(txttelp, 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.LEADING)

                .addComponent(jLabel6)

                .addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED_SIZE, 100,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(18, 18, 18)

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

                .addComponent(btnsave)

                .addComponent(btncancel))

            .addContainerGap())
    );
```

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

datatable.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, 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, 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, null, null, null, null}
    },
    new String [] {
        "ID Pelanggan", "Kode Pelanggan", "Nama Pelanggan", "Nomor Telepon", "Alamat"
    }
));
datatable.setSelectionMode(javax.swing.ListSelectionModel.SINGLE_SELECTION);
```

```java
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.setViewportView(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.setViewportView(txtid);


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

lbl_action.setText("Form Tambah Data Pelanggan");
```

```java
jLabel7.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N

jLabel7.setLabelFor(txtid);

jLabel7.setText("Baris ID Data");


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

btnadd.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/inventori_barang/img/add.png"))); // NOI18N

btnadd.setText("Tambah");

btnadd.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        btnaddActionPerformed(evt);

    }

});


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

btndelete.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/inventori_barang/img/delete.png"))); // NOI18N

btndelete.setText("Hapus");

btndelete.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        btndeleteActionPerformed(evt);

    }

});


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 Pelanggan");
```

```java
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("Dialog", 0, 18)); // NOI18N

lblcount_rows.setText("Jumlah Data");


jButton1.setFont(new java.awt.Font("Dialog", 0, 18)); // NOI18N

jButton1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/inventori_barang/img/refresh.png"))); // NOI18N

jButton1.setText("Perbarui");

jButton1.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        jButton1ActionPerformed(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)
```

```java
                .addGroup(layout.createSequentialGroup()

                    .addContainerGap()

                    .addComponent(jLabel5)

                    .addGap(12, 12, 12)

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

                        .addGroup(layout.createSequentialGroup()

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

                                .addGap(18, 18, 18)

                                .addComponent(btnedit)

                                .addGap(18, 18, 18)

                                .addComponent(btndelete)

                                .addGap(18, 18, 18)

                                .addComponent(jButton1))

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

                        .addGap(18, 18, Short.MAX_VALUE)

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

                            .addComponent(lbl_action)

                            .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(jLabel7)

                                .addGap(18, 18, 18)

                                .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE))

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

                        .addGap(18, 18, 18))
```

```
        );
    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.TRAILING)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(btnadd)
                        .addComponent(btnedit)
                        .addComponent(btndelete))
                    .addComponent(jButton1, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 56, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(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(jLabel7))
                .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                .addComponent(jLabel5)
                .addGroup(javax.swing.GroupLayout.Alignment.LEADING, layout.createSequentialGroup()
                    .addGap(18, 18, 18)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 0,
Short.MAX_VALUE)
                        .addGroup(layout.createSequentialGroup()
                            .addComponent(lbl_action)
                            .addGap(18, 18, 18)
```

```java
                .addComponent(panel, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addContainerGap())))
    );


    pack();

    setLocationRelativeTo(null);

  }// </editor-fold>


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

    String row_id = txtid.getText();

    if (!"0".equals(row_id)) {

      try {

        btnsave.setText("Simpan");

        Connection conn = konek.openkoneksi();

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

        java.sql.ResultSet sql = stm.executeQuery("SELECT tmpelanggan.id, tmpelanggan.kode,
tmpelanggan.nama, tmpelanggan.no_telp, tmpelanggan.alamat FROM tmpelanggan WHERE
tmpelanggan.id='" + row_id + "'");

        if (sql.next()) {

          lbl_action.setForeground(new Color(43, 152, 240));

          String kode = sql.getString("kode");

          lbl_action.setText("Edit Data | " + kode);

          txtid.setText(sql.getString("id"));

          txtkode.setText(kode);

          txtnama.setText(sql.getString("nama"));

          txttelp.setText(sql.getString("no_telp"));

          txtalamat.setText(sql.getString("alamat"));

          txttemp_kode.setText(kode);

          txtkode.requestFocus();

        }

        konek.closekoneksi();
```

```java
        } catch (SQLException e) {

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

        } catch (ClassNotFoundException ex) {

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

        }

    } else {

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

    }

}


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


}


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

    String row_id = txtid.getText();

    String row_txtkode = txtkode.getText();

    String row_txttemp_kode = txttemp_kode.getText();

    String row_txtnama = txtnama.getText();

    String row_txttelp = txttelp.getText();

    String row_txtalamat = txtalamat.getText();

    int c_kode = 0;


    if (!"".equals(row_txtkode) && !"".equals(row_txtnama) && !"".equals(row_txttelp) &&
!"".equals(row_txtalamat)) {

        try {

            Connection conn = konek.openkoneksi();

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

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

            sql.next();
```

```java
        c_kode = sql.getInt("count");

        konek.closekoneksi();

    } catch (SQLException e) {

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

    } catch (ClassNotFoundException ex) {

        Logger.getLogger(Form_Pelanggan.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();

                stm.executeUpdate("INSERT INTO tmpelanggan(kode, nama, no_telp, alamat) VALUES
('" + row_txtkode + "', '" + row_txtnama + "', '" + row_txttelp + "', '" + row_txtalamat + "')");

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

                btnadd.doClick();

                konek.closekoneksi();

                GetData();

            } catch (SQLException e) {

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

            } catch (ClassNotFoundException ex) {

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

            }

        } else {

            JOptionPane.showMessageDialog(null, "Kode supplier sudah pernah disimpan.", "Gagal
Disimpan", JOptionPane.ERROR_MESSAGE);

        }

    } else {

        if (c_kode == 0 || row_txtkode.equals(row_txttemp_kode)) {

            try {
```

```java
            Connection conn = konek.openkoneksi();

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

            stm.executeUpdate("UPDATE tmpelanggan SET kode='" + row_txtkode + "',nama='" +
row_txtnama + "',no_telp='" + row_txttelp + "',alamat='" + row_txtalamat + "' WHERE id = '" + row_id
+ "'");

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

            btnadd.doClick();

            konek.closekoneksi();

            GetData();

        } catch (SQLException e) {

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

        } catch (ClassNotFoundException ex) {

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

        }

    } else {

        JOptionPane.showMessageDialog(null, "Kode supplier 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) {



}
```

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

    btnadd.doClick();

}


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

    GetData_View();

}


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

    lbl_action.setForeground(Color.black);

    lbl_action.setText("Tambah Data");

    datatable.clearSelection();

    TxtEmpty();

    BtnEnabled(false);

    btnsave.setText("Simpan");

    txtkode.requestFocus();

}


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

    int ok = JOptionPane.showConfirmDialog(null, "Anda yakin ingin menghapus data ini?",
"Konfirmasi", JOptionPane.OK_CANCEL_OPTION);

    if (ok == 0) {

        try {

            String row_id = txtid.getText();

            Connection conn = konek.openkoneksi();

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

            stm.executeUpdate("DELETE FROM tmpelanggan WHERE id = '" + row_id + "'");

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

            btnadd.doClick();

            konek.closekoneksi();

            GetData();
```

```java
        } catch (SQLException e) {

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

        } catch (ClassNotFoundException ex) {

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

        }

    }

}


    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 jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

        GetData();

    }


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

        char c = evt.getKeyChar();

        if (!(Character.isDigit(c)) && !(c == KeyEvent.VK_BACK_SPACE)) {

            JOptionPane.showMessageDialog(null, "Inputan hanya boleh angka", "Ilegal Input",
JOptionPane.ERROR_MESSAGE);

            evt.consume();

        }
```

```java
    }

    public static void main(String args[]) {
        java.awt.EventQueue.invokeLater(() -> {
            Form_Pelanggan dialog = new Form_Pelanggan(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 btnadd;
    private javax.swing.JButton btncancel;
    private javax.swing.JButton btndelete;
    private javax.swing.JButton btnedit;
    private javax.swing.JButton btnsave;
    private javax.swing.JTable datatable;
    private javax.swing.JButton jButton1;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    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.JPanel jPanel1;
```

```java
    private javax.swing.JScrollPane jScrollPane1;

    private javax.swing.JScrollPane jScrollPane2;

    private javax.swing.JScrollPane jScrollPane3;

    private javax.swing.JLabel lbl_action;

    private javax.swing.JLabel lblcount_rows;

    private javax.swing.JPanel panel;

    private javax.swing.JTextArea txtalamat;

    private javax.swing.JTextPane txtid;

    private javax.swing.JTextField txtkode;

    private javax.swing.JTextField txtnama;

    private javax.swing.JTextField txttelp;

    private javax.swing.JTextField txttemp_kode;

    // End of variables declaration
}
```