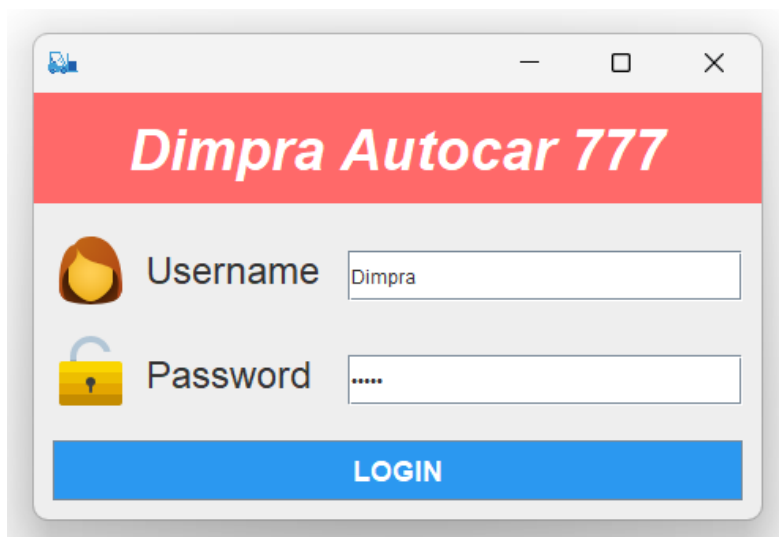


# Dokumentasi Praktikum PBO 14B

Mata Kuliah : PBO - TI - S1  
Pertemuan : 14B  
NIM : A11.2021.13254  
Nama : Yohanes Dimas Pratama

## Program Login

Hasil Program:



Code Program:

\*Form\_Login.java

```
package inventori_barang;  
  
import java.awt.event.ActionEvent;  
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.ImageIcon;

public class Form_Login extends javax.swing.JFrame {

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

    public Form_Login() {
        ImageIcon img = new ImageIcon("src/inventori_barang/img/icon.png");
        this.setIconImage(img.getImage());
        initComponents();
    }

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

        btnlogin = new javax.swing.JButton();
        txtpassword = new javax.swing.JPasswordField();
        jLabel10 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        txtusername = new javax.swing.JTextField();
        jPanel1 = new javax.swing.JPanel();
        jLabel8 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        btnlogin.setBackground(new java.awt.Color(43, 152, 240));
        btnlogin.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N
        btnlogin.setForeground(new java.awt.Color(255, 255, 255));
    }
}

```

```

btnlogin.setText("LOGIN");

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

txtpassword.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyPressed(java.awt.event.KeyEvent evt) {
        txtpasswordKeyPressed(evt);
    }
});

jLabel10.setFont(new java.awt.Font("Dialog", 0, 24)); // NOI18N
jLabel10.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/inventori_barang/img/lock.png"))); // NOI18N
jLabel10.setText(" Password");

jLabel9.setFont(new java.awt.Font("Dialog", 0, 24)); // NOI18N
jLabel9.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/inventori_barang/img/username.png"))); // NOI18N
jLabel9.setText(" Username");

txtusername.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyPressed(java.awt.event.KeyEvent evt) {
        txtusernameKeyPressed(evt);
    }
});

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

jLabel8.setFont(new java.awt.Font("Dialog", 3, 36)); // NOI18N

```



```

        .addComponent(jLabel9)

        .addComponent(jLabel10))

    .addGap(18, 18, 18)

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

        .addComponent(txtpassword, javax.swing.GroupLayout.DEFAULT_SIZE, 250,
Short.MAX_VALUE)

        .addComponent(txtusername))

    .addGap(0, 0, Short.MAX_VALUE)))

    .addContainerGap()

);

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.BASELINE)

            .addComponent(jLabel9)

            .addComponent(txtusername, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(18, 18, 18)

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

            .addComponent(jLabel10)

            .addComponent(txtpassword, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(18, 18, 18)

        .addComponent(btnlogin, javax.swing.GroupLayout.PREFERRED_SIZE, 38,
javax.swing.GroupLayout.PREFERRED_SIZE)

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

);

pack();

```

```

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

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

        String row_txtusername = txtusername.getText();

        String row_txtpassword = new String(txtpassword.getPassword());

        try {

            Connection conn = konek.openkoneksi();

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

            java.sql.ResultSet rsLogin = stm.executeQuery("SELECT * FROM tmpetugas WHERE username
= " + row_txtusername + "");

            if (rsLogin.next()) {

                if (row_txtpassword.equals(rsLogin.getString("password"))) {

                    switch (rsLogin.getString("status")) {

                        case "aktif":

                            PetugasSession.setEmployee_id(rsLogin.getInt("id"));

                            PetugasSession.setEmployee_username(rsLogin.getString("username"));

                            PetugasSession.setEmployee_name(rsLogin.getString("nama"));

                            PetugasSession.setEmployee_status(rsLogin.getString("status"));

                            new Form_Dashboard().setVisible(true);

                            this.dispose();

                            break;

                        case "nonaktif":

                            JOptionPane.showMessageDialog(null, "Akun yang Anda masukkan telah
dinonaktifkan. \nSilahkan hubungi Administrator untuk info selanjutnya.");

                            txtusername.setText("");

                            txtpassword.setText("");

                            txtusername.requestFocus();

                            break;
                    }
                }
            }
        } catch (SQLException ex) {
            JOptionPane.showMessageDialog(null, "Gagal login: " + ex.getMessage());
        }
    }
}

```

```

        default:
            break;
    }
} else {
    JOptionPane.showMessageDialog(null, "Username dan password yang Anda masukkan
salah. \nSilahkan coba lagi.");
    txtusername.setText("");
    txtpassword.setText("");
    txtusername.requestFocus();
}
} else {
    JOptionPane.showMessageDialog(null, "Username dan password yang Anda masukkan
salah. \nSilahkan coba lagi.");
    txtusername.setText("");
    txtpassword.setText("");
    txtusername.requestFocus();
}
}
konek.closekoneksi();
} catch (SQLException e) {
    JOptionPane.showMessageDialog(null, "Error " + e);
} catch (ClassNotFoundException ex) {
    Logger.getLogger(Form_Login.class.getName()).log(Level.SEVERE, null, ex);
}
}

private void txtusernameKeyPressed(java.awt.event.KeyEvent evt) {
    if (evt.getKeyCode() == KeyEvent.VK_ENTER) {
        btnloginActionPerformed(new ActionEvent(evt.getSource(), evt.getID(), "Key Press login"));
    }
}

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

```

```

        if (evt.getKeyCode() == KeyEvent.VK_ENTER) {
            btnloginActionPerformed(new ActionEvent(evt.getSource(), evt.getID(), "Key Press login"));
        }
    }

    public static void main(String args[]) {
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Form_Login().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton btnlogin;
    private javax.swing.JLabel jLabel10;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JLabel jLabel9;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPasswordField txtpassword;
    private javax.swing.JTextField txtusername;

    // End of variables declaration
}

```