

Praktikum Login Aplikasi (Pertemuan ke 14)

Pengumpulan Tugas :

1. KoneksiDBMS (Capture Database dan Kode Program)
2. Form Pegawai (Capture Form, Capture Tabel Pegawai, dan Kode Program)
3. Form Barang (Capture Form, Capture Tabel Barang, dan Kode Program)
4. Form Penjualan (Capture Form, Capture Tabel Jual, dan Kode Program)
5. Cetak Barang (Capture Output Cetak, Capture isi Tabel Barang (Browse), dan Kode Program)
6. Menu (Capture Menu dan Kode Program)
7. Login (Capture Form login dan Kode Program)

Nama File : **TPBOKelp03/04_NIM_Nama**

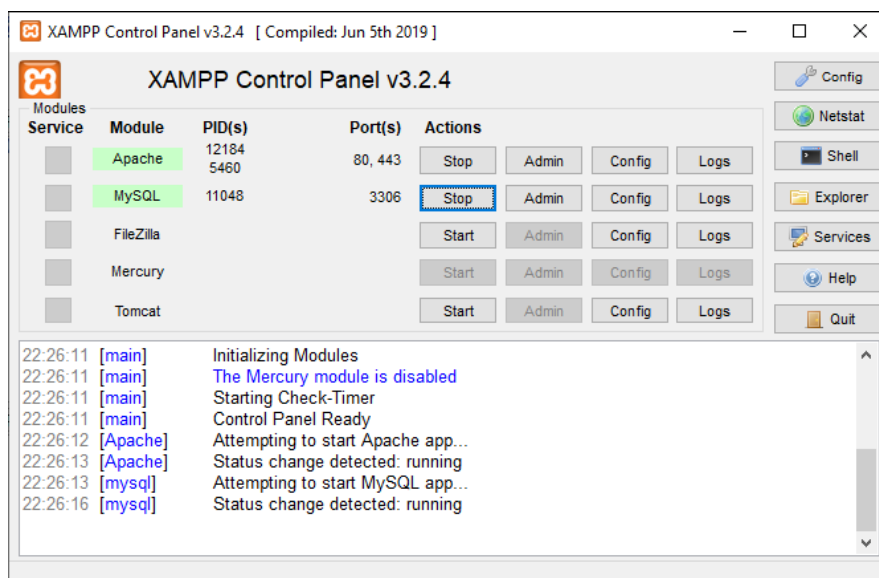
(Contoh : **TPBOKelp03_05049_Wulan** atau **TPBOKelp04_01234_Wahyu**)

Format File : PDF

Waktu pengiriman : sesuai waktu yg ditentukan di kulino

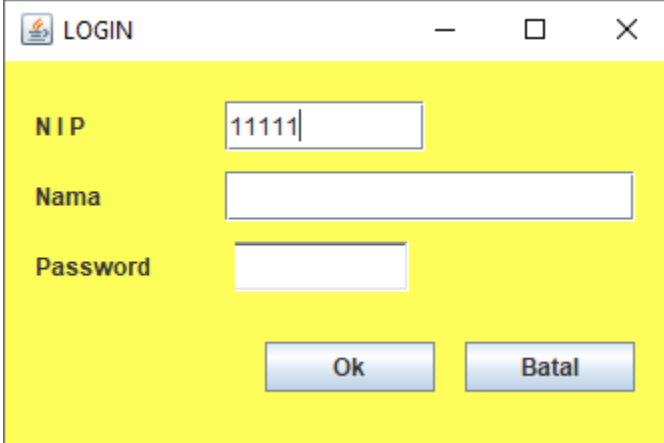
Praktikum Login Aplikasi

- Jalankan XAMPP terlebih dahulu



Program Login :

Output program :



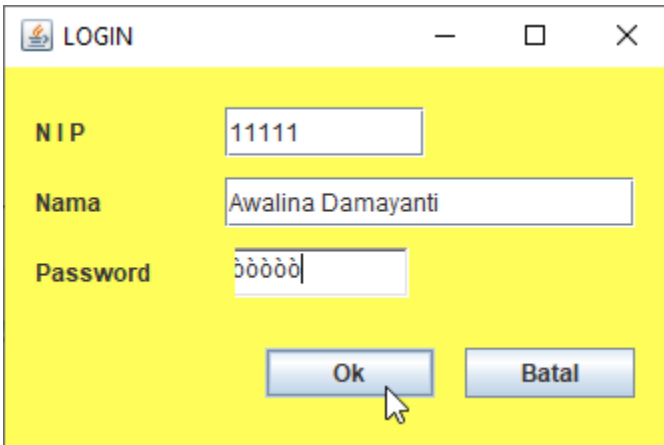
A screenshot of a Windows-style application window titled "LOGIN". The window has a yellow background. It contains three input fields: "NIP" with the value "11111", "Nama" which is empty, and "Password" which is empty. At the bottom, there are two buttons: "Ok" and "Batal".

- Isikan NIP, sesuai dengan data yang sudah tersimpan pada tabel pegawai. Tekan Tabulasi.

Data pegawai pada Tabel Pegawai5049 :

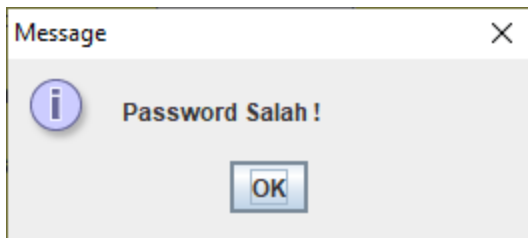
nip	nama	bagian	jeniskel	password
11111	Awalina Damayanti	Pemasaran	Perempuan	11111
22222	Mulyani Sari	Pemasaran	Perempuan	11111
44444	Guna Wijaya	Produksi	Laki-laki	44444
12345	Lani Damayanti	Pemasaran	Perempuan	12345
12346	Sri Rejeki Wijayanti	Administrasi	Perempuan	11111

- Jika NIP yang dimasukkan ada yang cocok dengan data pegawai, maka akan ditampilkan Nama pegawai tersebut.
- Berikutnya masukkan Password



A screenshot of the same "LOGIN" window. The "NIP" field still contains "11111". The "Nama" field is now populated with the text "Awalina Damayanti". The "Password" field contains five dots "•••••". A mouse cursor is pointing at the "Ok" button.

- Pilih OK
- Jika Password cocok maka akan dibawa ke Form Menu.
- Jika Password yang dimasukkan salah maka akan ditampilkan pesan "Password Salah !"



Kode Program :

```
import java.awt.*;
import java.awt.event.*;
import java.io.*;
import javax.swing.*;
import java.sql.*;

public class FLogin05049 extends JFrame implements ActionListener, FocusListener
{
    private JPanel          pPgw          = new JPanel();
    private JLabel          lNip          = new JLabel ("N I P          "),
                        lNama          = new JLabel ("Nama          "),
                        lPassword      = new JLabel ("Password          "),
                        lcreate        = new JLabel ("nama");

    private JTextField      fNip          = new JTextField (),
                        fNama          = new JTextField ();

    private TextField       fPassword     = new TextField ();
    private JButton         btnOk         = new JButton (),
                        btnBatal       = new JButton ();

    public FLogin05049() {
        setPreferredSize(new Dimension(350,230));
        setTitle("LOGIN");
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

        JDesktopPane dLogin = new JDesktopPane();

        /* Mengatur letak objek Label Di container*/
        lNip.setBounds (15, 20, 100, 25);
        lNama.setBounds (15, 55, 100, 25);
        lPassword.setBounds (15, 90, 100, 25);

        /* Mengatur letak objek Text Di Container */
        fNip.setBounds (110, 20, 100, 25);
        fNama.setBounds (110, 55, 205, 25);
        fPassword.setBounds (110, 90, 92, 25);
        fPassword.setEchoChar('o');

        fNip.setToolTipText("Isi Nip dengan Angka !");

        /* Mengatur letak objek Button di Container */
        btnOk.setBounds (130, 140, 85, 25);
        btnOk.setLabel("Ok");
        btnBatal.setBounds (230, 140, 85, 25);
        btnBatal.setLabel("Batal");
        btnBatal.setToolTipText("Mengakhiri Program");

        // Mengatur objek untuk dapat berinteraksi
        fNip.addFocusListener (this);
        btnOk.addActionListener (this);
        btnBatal.addActionListener (this);

        // Meletakkan seluruh kontrol pada objek panel */
        dLogin.add (lNip);
```

```

        dLogin.add (fNip);
        dLogin.add (lNama);
        dLogin.add (fNama);
        dLogin.add (lPassword);
        dLogin.add (fPassword);
        dLogin.add (btnOk);
        dLogin.add (btnBatal);

        /* Menambahkan objek panel (pPgr) ke container frame */
        getContentPane().add (dLogin).setBackground(Color.getHSBColor(180,100,200));

        /* Menampilkan frame ke layar monitor */
        pack();
        setLocationRelativeTo(null);
        Kosong();
    }

    public static void main(String[] args) {
        new FLogin05049().setVisible(true);
    }

    /* Fungsi untuk memeriksa kursor saat meninggalkan objek txtKode_Barang */
    public void focusGained (FocusEvent fe) { }
    public void focusLost (FocusEvent fe) {

        if (fNip.getText().equals ("")) { }
        else
        {
            int xcari = Cari();
            if (xcari == 1)
            {
                fPassword.requestFocus();
            }
            else
            {
                btnBatal.requestFocus();
            }
        }
    }
}

/* Fungsi jika user melakukan action penekanan tombol Button */
public void actionPerformed (ActionEvent ae) {
    Object obj = ae.getSource();

    if (obj == btnOk)
    {
        int xcari = CariPassword();
        if (xcari == 1)
        {
            this.dispose();
            FMenu05049 xmenu = new FMenu05049();
            xmenu.setVisible(true);
        }
    }

    if (obj == btnBatal)
    {
        System.exit(0);
    }
}

// Fungsi untuk mencari Kode_Barang ke tabel barang
int Cari(){
    int x = 0;
    try
    {

        KoneksiDBMS CnPenjualan = new KoneksiDBMS();

```

```

        Connection con = CnPenjualan.BukaCn();
        Statement stat = con.createStatement();

        String strsql = "SELECT * FROM pegawai5049 WHERE nip =" + fNip.getText
() + "'";

        ResultSet rs = stat.executeQuery(strsql);

        if(rs.next())
        {
            fNama.setText (rs.getString ("nama"));
            x = 1;
        }
        else
        {
            // Jika Nip tidak ditemukan
            fNip.setText("");
            JOptionPane.showMessageDialog(this, "Data tidak ditemukan !");
            fNip.requestFocus ();
        }
        rs.close();
        con.close();
    }
    catch(SQLException e)
    {
        JOptionPane.showMessageDialog(this, "Data kosong !");
    }
    return x;
}

// Fungsi untuk mencari Kode_Barang ke tabel barang
int CariPassword(){
    int x = 0;
    try    {

        KoneksiDBMS CnPenjualan = new KoneksiDBMS();
        Connection con = CnPenjualan.BukaCn();
        Statement stat = con.createStatement();

        String strsql = "SELECT * FROM pegawai5049 WHERE nip =" + fNip.getText
() + "' and password =" + fPassword.getText () + "'";
        ResultSet rs = stat.executeQuery(strsql);

        if(rs.next())
        {
            fNama.setText (rs.getString ("nama"));
            x = 1;
        }
        else
        {
            fPassword.setText("");
            fPassword.requestFocus();
            JOptionPane.showMessageDialog(this, "Password Salah !");
        }

        rs.close();
        con.close();
    }
    catch(SQLException e)
    {
    }
    return x;
}

// Fungsi untuk mengkosongkan Objek masukan
void Kosong ()
{

```

```
fNip.setText ("");  
fNama.setText ("");  
fPassword.setText ("");  
fNip.requestFocus ();  
}  
}
```

Selamat mencoba