

LAPORAN TUGAS MATA KULIAH
PEMROGRAMAN BERORIENTASI OBYEK

Pertemuan Keempat Belas: Penerapan Download Data File Csv

Dosen Pengampu : Bayu Adhi Nugroho, Ph. D.



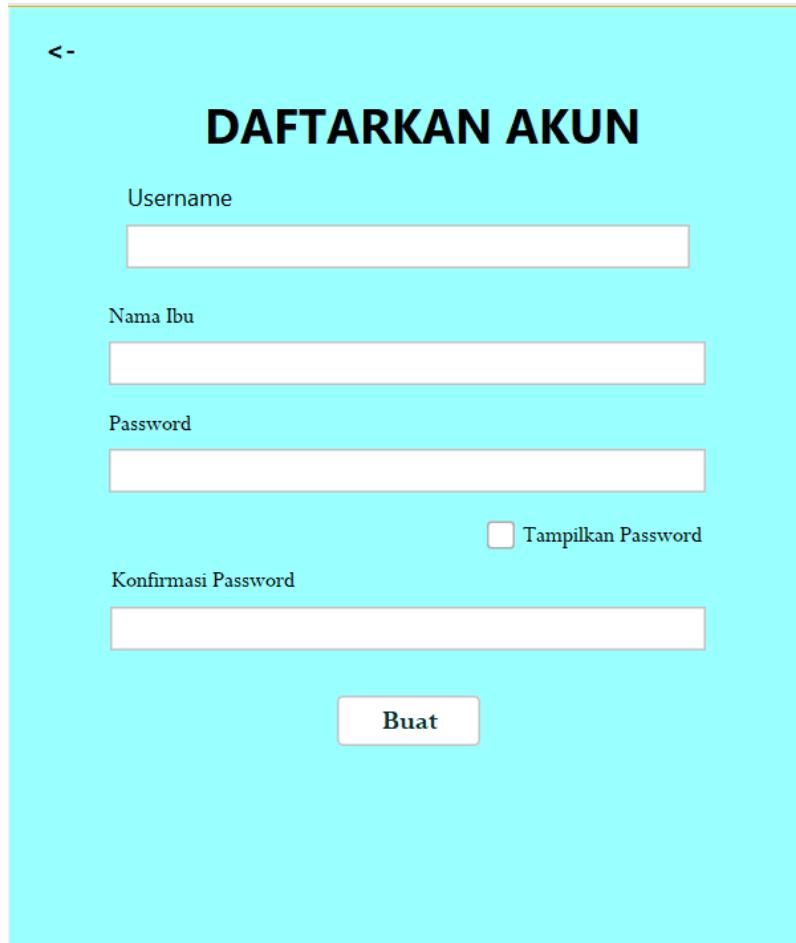
DISUSUN OLEH

Hibban Aulia Mubarak 09030624073

PROGRAM STUDI SISTEM INFORMASI
FAKULTAS SAINS DAN TEKNOLOGI
UNIVERSITAS ISLAM NEGERI SUNAN AMPEL
SURABAYA
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A. PRAKTIKUM

- 1) Menambahkan pertanyaan untuk konfirmasi saat ubah password
 - a. Menambahkan field nama ibu dan konfirmasi password saat mendaftarkan akun



- b. Kode pada tombol buat setelah ditambahkan field dan konfirmasi password

```
private void jButton8ActionPerformed(java.awt.event.ActionEvent evt) {  
    String pw2 = new String(txtPassword.getPassword()).trim();  
    String pw3 = new String(txtPw3.getPassword()).trim();  
    char[] p2 = txtPassword.getPassword();  
    char[] p3 = txtPw3.getPassword();  
  
    if (txtUsername.getText().equals("")) {  
        JOptionPane.showMessageDialog(this, "Isi Semua Data!",  
        "Peringatan", JOptionPane.WARNING_MESSAGE);  
    } else if (pw2.equals("")) {  
        JOptionPane.showMessageDialog(this, "Isi Semua Data!",  
        "Peringatan", JOptionPane.WARNING_MESSAGE);  
    } else if (pw3.equals("")) {  
        JOptionPane.showMessageDialog(this, "Isi Semua Data!",  
        "Peringatan", JOptionPane.WARNING_MESSAGE);  
    } else if (txtIbu.getText().equals("")) {  
        JOptionPane.showMessageDialog(this, "Isi Semua Data!",  
        "Peringatan", JOptionPane.WARNING_MESSAGE);  
    } else if (pw2.length() < 8) {  
        JOptionPane.showMessageDialog(this,  
        "Password minimal 8 karakter!",  
        "Peringatan", JOptionPane.WARNING_MESSAGE);  
        return;  
    } else if (!Arrays.equals(p2, p3)) {  
        JOptionPane.showMessageDialog(this,  
        "Password dan Konfirmasi Password tidak sama!",  
        "Peringatan", JOptionPane.WARNING_MESSAGE);  
        return;  
    } else {
```

- c. Tambahkan JOptionPane konfirmasi nama ibu saat ingin merubah password

```
        if (!q.getResultList().isEmpty()) {
            JOptionPane.showMessageDialog(this,
                "Username sudah digunakan!",
                "Peringatan",
                JOptionPane.WARNING_MESSAGE);
            return;
        }

        em.getTransaction().begin();
        Akun a = new Akun();
        a.setUsername(txtUsername.getText());
        a.setPassword(new String(txtPassword.getPassword()));
        a.setNamaIbu(txtIbu.getText());

        em.persist(a);
        em.getTransaction().commit();

        JOptionPane.showMessageDialog(this, "Akun " + txtUsername.getText() + " berhasil c
bersih();
        dispose();
    } catch (Exception e) {
        JOptionPane.showMessageDialog(this, "Error: " + e.getMessage());
    }
}
```

2) Menambahkan fitur download data ke dalam bentuk .csv

- a. Menambahkan tombol download pada setiap tabbed pane tabel



- b. Kode pada tombol download

```
| private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {  
|     try {  
|         if (jTable1.getRowCount() == 0) {  
|             JOptionPane.showMessageDialog(this, "Tidak ada data untuk diekspor!");  
|             return;  
|         }  
|  
|         JnaFileChooser chooser = new JnaFileChooser();  
|         chooser.setMode(JnaFileChooser.Mode.Files);  
|         chooser.setTitle("Simpan Data Koleksi Buku");  
|         chooser.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);  
|         chooser.setMultiSelectionEnabled(false);  
|         Window window = null;  
|         boolean action = chooser.showOpenDialog(window);  
|  
|         if (action) {  
|             String fileString = chooser.getSelectedFile().getAbsolutePath() + ".csv";  
|             //  
|             exportToExcel(jTable1, fileString);  
|             exportToCSV(jTable1, fileString);  
|         }  
|     } catch (Exception e) {  
|         JOptionPane.showMessageDialog(this, "Gagal ekspor: " + e.getMessage());  
|     }  
| }
```

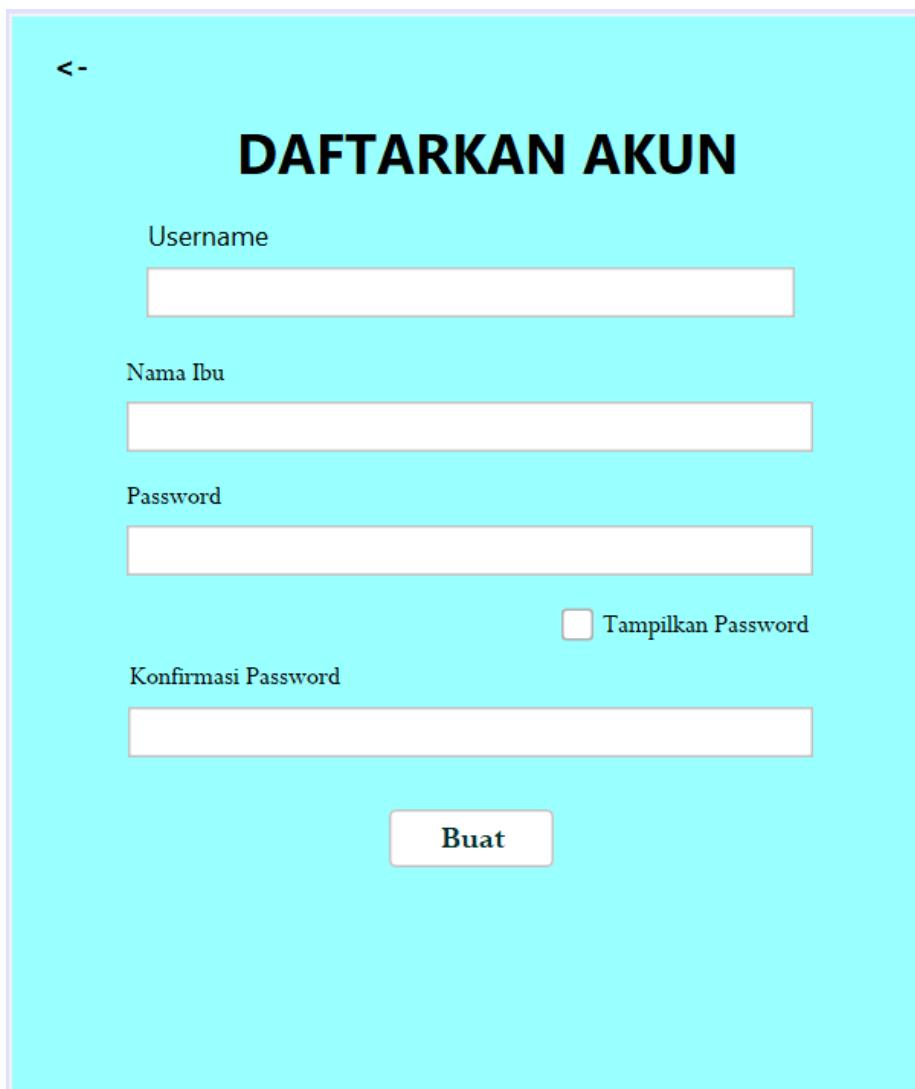
- c. Tambahkan method untuk menyimpan dalam bentuk .csv

```
public void exportToCSV(JTable table, String filePath) {  
    try (FileWriter writer = new FileWriter(filePath)) {  
  
        TableModel model = table.getModel();  
  
        // Tulis header  
        for (int i = 0; i < model.getColumnCount(); i++) {  
            writer.append(model.getColumnName(i));  
            if (i < model.getColumnCount() - 1) {  
                writer.append(",");  
            }  
        }  
        writer.append("\n");  
  
        // Tulis data baris  
        for (int row = 0; row < model.getRowCount(); row++) {  
            for (int col = 0; col < model.getColumnCount(); col++) {  
                Object value = model.getValueAt(row, col);  
                writer.append(value == null ? "" : value.toString());  
                if (col < model.getColumnCount() - 1) {  
                    writer.append(",");  
                }  
            }  
            writer.append("\n");  
        }  
  
        writer.flush();  
        JOptionPane.showMessageDialog(this, "Data berhasil diekspor ke CSV!");  
    }  
}
```

921:1 | INS | Unix (LF)

3) Output

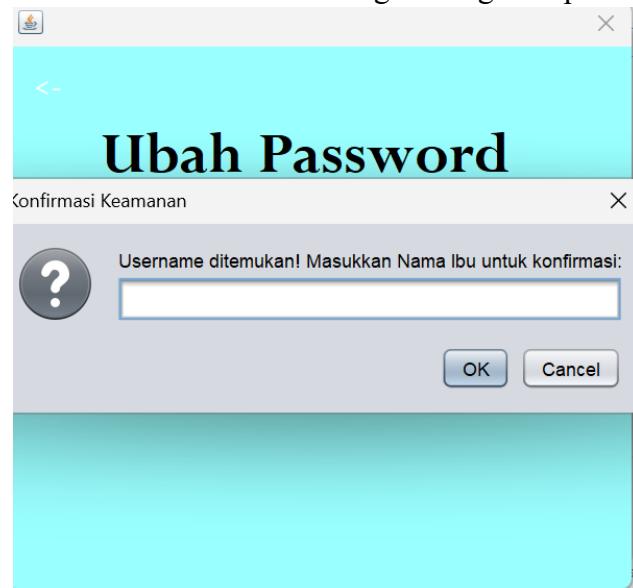
- a. Tampilan daftar akun



The screenshot shows a Java Swing application window titled "DAFTARKAN AKUN". The window contains the following fields:

- A back arrow button on the left.
- A "Username" label with an empty text input field.
- A "Nama Ibu" label with an empty text input field.
- A "Password" label with an empty text input field and a "Tampilkan Password" checkbox to its right.
- A "Konfirmasi Password" label with an empty text input field.
- A central "Buat" button.

- b. Konfirmasi nama ibu saat ingin mengubah password



- c. Saat ingin download data tabel

Simpan Data Koleksi Buku

Organize New folder

Name Date modified

hiban - Person

- Today
 - Laporan Tugas Petemuan14 PBO
 - YYYYYY
 - koloeeee
 - PBO14-main
 - krmqjg
 - psjnjn
- Yesterday
 - koloeeee
 - PBO14-main
 - krmqjg
 - psjnjn

File name: Koleksibuku

Open Cancel

Output - PBO14 (run)

Internal Exception: org.postgresql.util.PSQLException
Error Code: 0

tabel

INSERT UPDATE DELETE

DOWNLOAD CETAK UPLOAD

ID Buku	Judul	Genre	Pengarang	Tahun Terbit
B004	islami	jkbhild	hhgc	2015
B005	fiksi	jhvgc	jvcy	2016
B006	novel	jftat	kbjdus	2017
B007	motivasi	ytsdts	kdkndi	2018
B008	islami	isgus	dkhiu	2019
B009	fiksi	skigsu	dkhi	2020
B010	novel	sihsug	dguug	2021
B011	motivasi	ugsy	akalin	2022

