

**LAPORAN PRAKTIKUM PEMROGRAMAN BERORIENTASI OBYEK  
PERTEMUAN EMPATBELAS**

Disusun untuk memenuhi tugas : Penerapan Download Data File Csv.



**UIN SUNAN AMPEL  
S U R A B A Y A**

Dosen Pengampu

Bayu Adi Nugroho, Ph.D

Disusun Oleh:

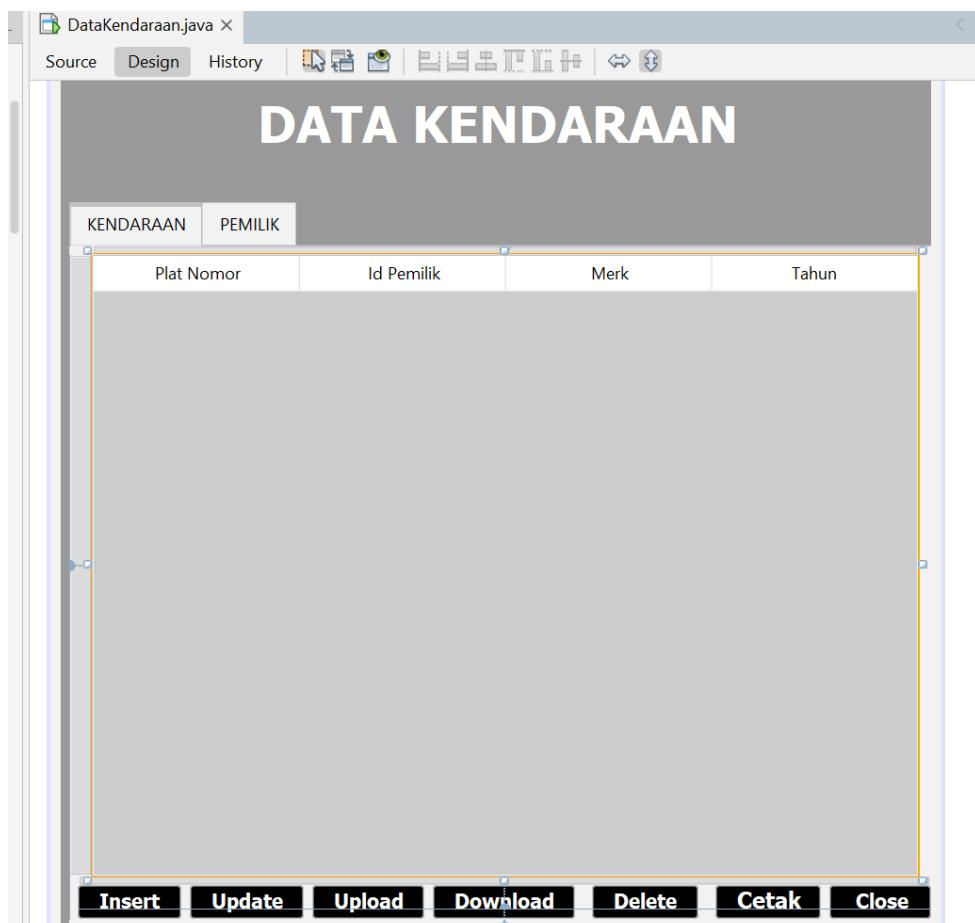
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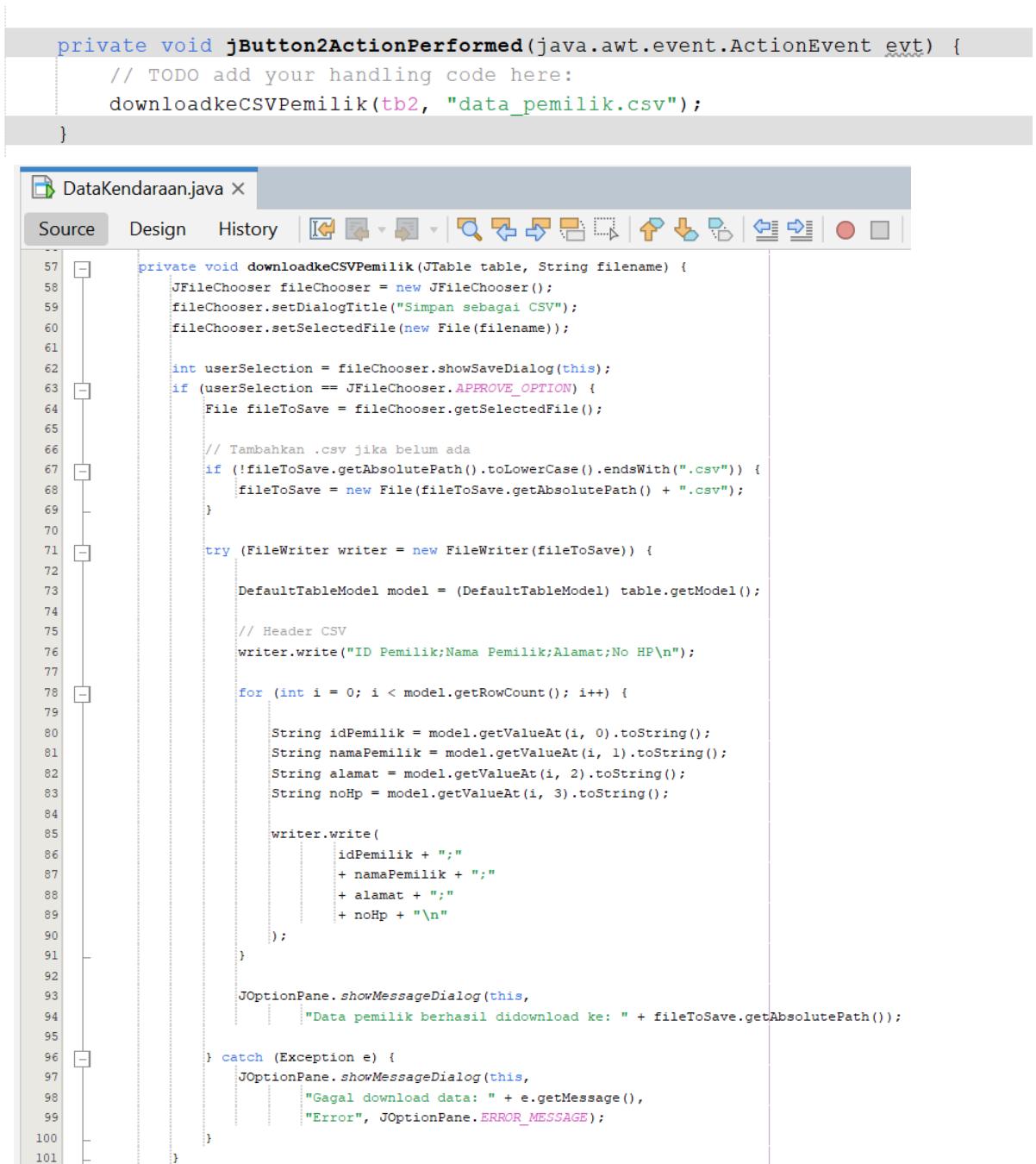
## PRAKTIKUM

1. Menambahkan Fitur Download untuk Mengekspor Data Format CSV
  - Desain GUI (menambahkan button download)



➤ Kode pada button download

- Tabel Pemilik



The screenshot shows a Java code editor with the file `DataKendaraan.java` open. The code is part of a class and handles a button click event. It uses a `JFileChooser` to save a CSV file named `data_pemilik.csv`. The code includes logic to handle file paths and write data from a `JTable` model to the CSV file. A message dialog is shown if the download is successful or if an error occurs.

```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    downloadkeCSVpemilik(tb2, "data_pemilik.csv");
}

private void downloadkeCSVpemilik(JTable table, String filename) {
    JFileChooser fileChooser = new JFileChooser();
    fileChooser.setDialogTitle("Simpan sebagai CSV");
    fileChooser.setSelectedFile(new File(filename));

    int userSelection = fileChooser.showSaveDialog(this);
    if (userSelection == JFileChooser.APPROVE_OPTION) {
        File fileToSave = fileChooser.getSelectedFile();

        // Tambahkan .csv jika belum ada
        if (!fileToSave.getAbsolutePath().toLowerCase().endsWith(".csv")) {
            fileToSave = new File(fileToSave.getAbsolutePath() + ".csv");
        }

        try (FileWriter writer = new FileWriter(fileToSave)) {
            DefaultTableModel model = (DefaultTableModel) table.getModel();

            // Header CSV
            writer.write("ID Pemilik;Nama Pemilik;Alamat;No HP\n");

            for (int i = 0; i < model.getRowCount(); i++) {
                String idPemilik = model.getValueAt(i, 0).toString();
                String namaPemilik = model.getValueAt(i, 1).toString();
                String alamat = model.getValueAt(i, 2).toString();
                String noHp = model.getValueAt(i, 3).toString();

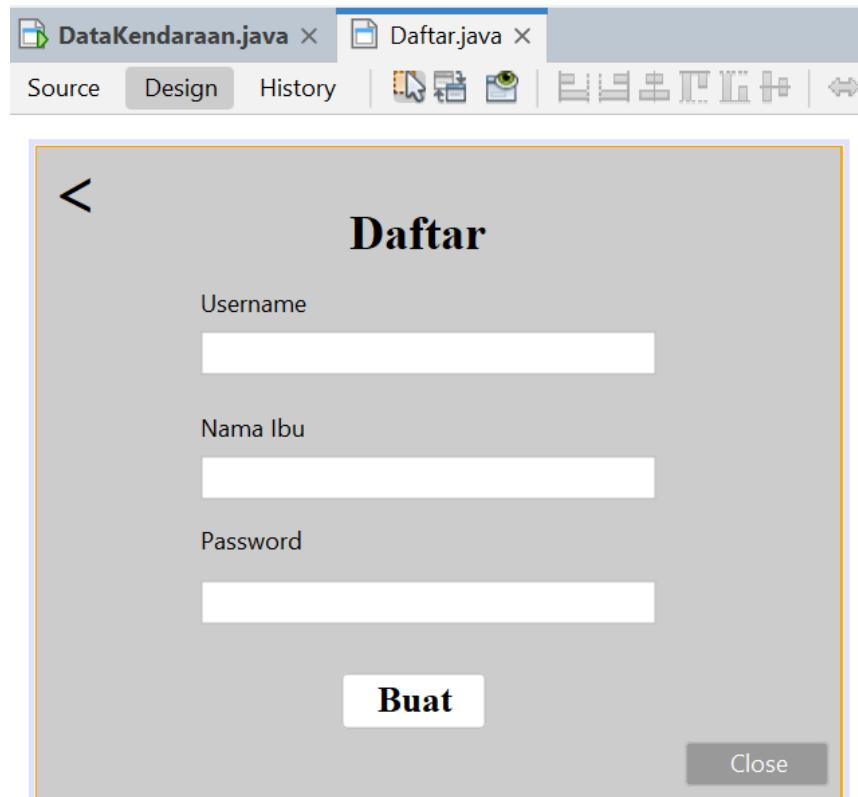
                writer.write(
                    idPemilik + ";"
                    + namaPemilik + ";"
                    + alamat + ";"
                    + noHp + "\n"
                );
            }
        }

        JOptionPane.showMessageDialog(this,
            "Data pemilik berhasil didownload ke: " + fileToSave.getAbsolutePath());
    } catch (Exception e) {
        JOptionPane.showMessageDialog(this,
            "Gagal download data: " + e.getMessage(),
            "Error", JOptionPane.ERROR_MESSAGE);
    }
}
```

- Tabel Kendaraan

2. Menambahkan pertanyaan untuk konfirmasi saat ubah password

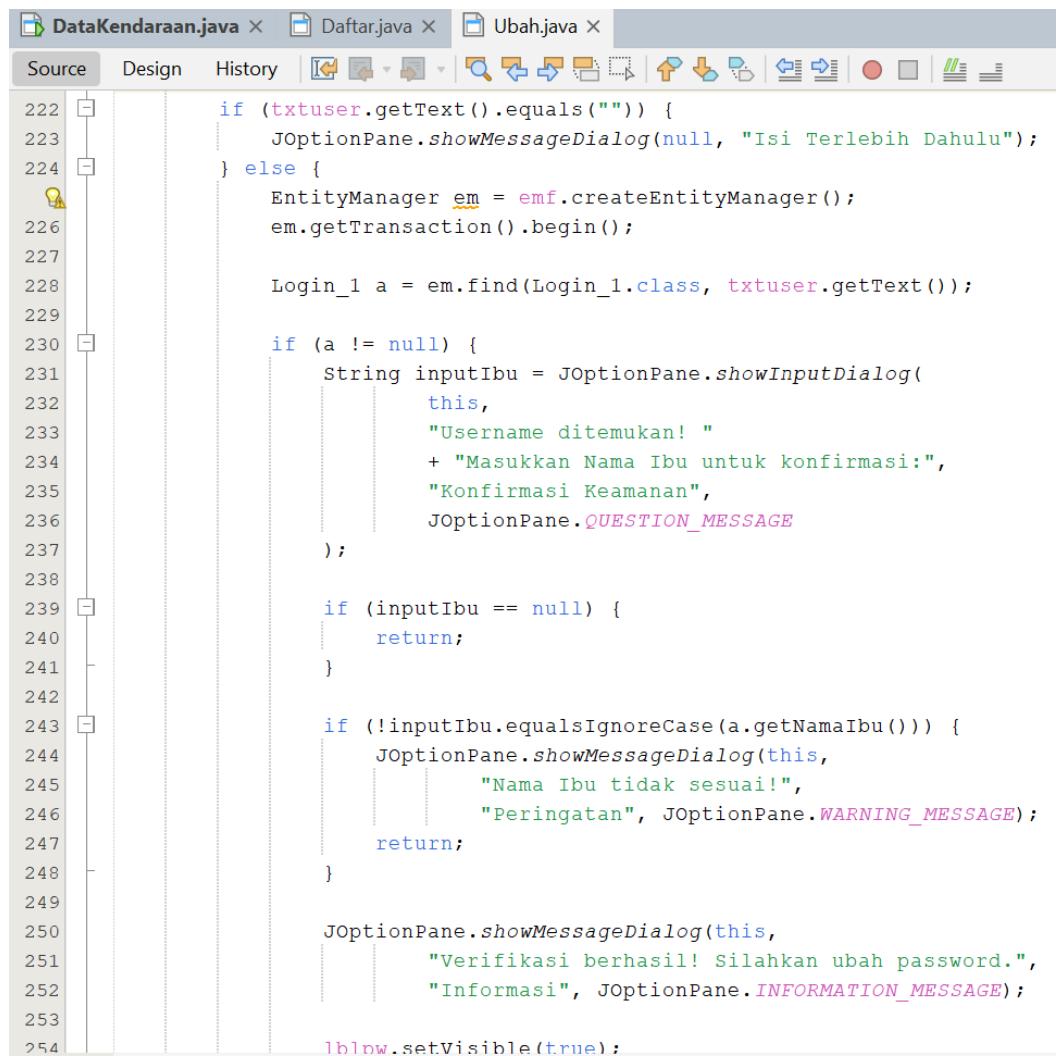
- Menambahkan field nama ibu



- Kode pada button buat setelah ditambahkan field

```
private void btnbuatActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    if (txtuser.getText().equals("")) {  
        JOptionPane.showMessageDialog(this, "Isi Semua Data!");  
    } else if (txtpw.getText().equals("")) {  
        JOptionPane.showMessageDialog(this, "Isi Semua Data!");  
    } else {  
        try {  
  
            EntityManager em = emf.createEntityManager();  
            em.getTransaction().begin();  
  
            Login_1 l = new Login_1();  
            l.setUsername(txtuser.getText());  
            l.setPassword(txtpw.getText());  
            l.setNamaIbu(txtibu.getText());  
  
            em.persist(l);  
            em.getTransaction().commit();  
  
            JOptionPane.showMessageDialog(this, "Data berhasil disimpan!");  
            bersih();  
            dispose();  
  
            em.close();  
  
        } catch (Exception e) {  
            JOptionPane.showMessageDialog(this, "Error: " + e.getMessage());  
        }  
    }  
}
```

- Menambahkan JOptionPane konfirmasi nama ibu saat ingin merubah password



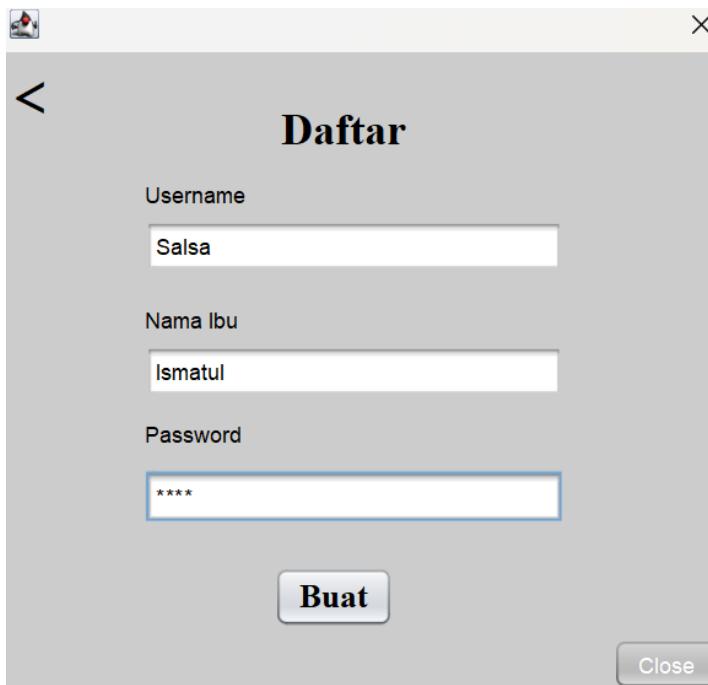
```

222     if (txtuser.getText().equals("")) {
223         JOptionPane.showMessageDialog(null, "Isi Terlebih Dahulu");
224     } else {
225         EntityManager em = emf.createEntityManager();
226         em.getTransaction().begin();
227
228         Login_1 a = em.find(Login_1.class, txtuser.getText());
229
230         if (a != null) {
231             String inputIbu = JOptionPane.showInputDialog(
232                     this,
233                     "Username ditemukan! "
234                     + "Masukkan Nama Ibu untuk konfirmasi:",
235                     "Konfirmasi Keamanan",
236                     JOptionPane.QUESTION_MESSAGE
237         );
238
239         if (inputIbu == null) {
240             return;
241         }
242
243         if (!inputIbu.equalsIgnoreCase(a.getNamaIbu())) {
244             JOptionPane.showMessageDialog(this,
245                     "Nama Ibu tidak sesuai!",
246                     "Peringatan", JOptionPane.WARNING_MESSAGE);
247             return;
248         }
249
250         JOptionPane.showMessageDialog(this,
251                     "Verifikasi berhasil! Silahkan ubah password.",
252                     "Informasi", JOptionPane.INFORMATION_MESSAGE);
253
254         lblnw.setVisible(true);

```

### 3. Output

- Tampilan daftar akun



- Konfirmasi nama ibu saat ingin mengubah password



- Download table

Plat Nomor	Nama Pemilik	Merk	Tahun
B 2138 SFL	Kepin	Civic	2020
K 7612 LM	Kepin	Honda Jazz	2030
L 9801 SK	Alip	Alphard	2010

The 'Save as CSV' dialog shows 'Look In:' set to 'Documents' with a list of folders. The 'File Name:' is 'data\_kendaraan.csv' and 'Files of Type:' is 'All Files'. Buttons for 'Save' and 'Cancel' are at the bottom.

