

“PRAKTIKUM PEMROGRAMAN BERORIENTASI OBJEK”



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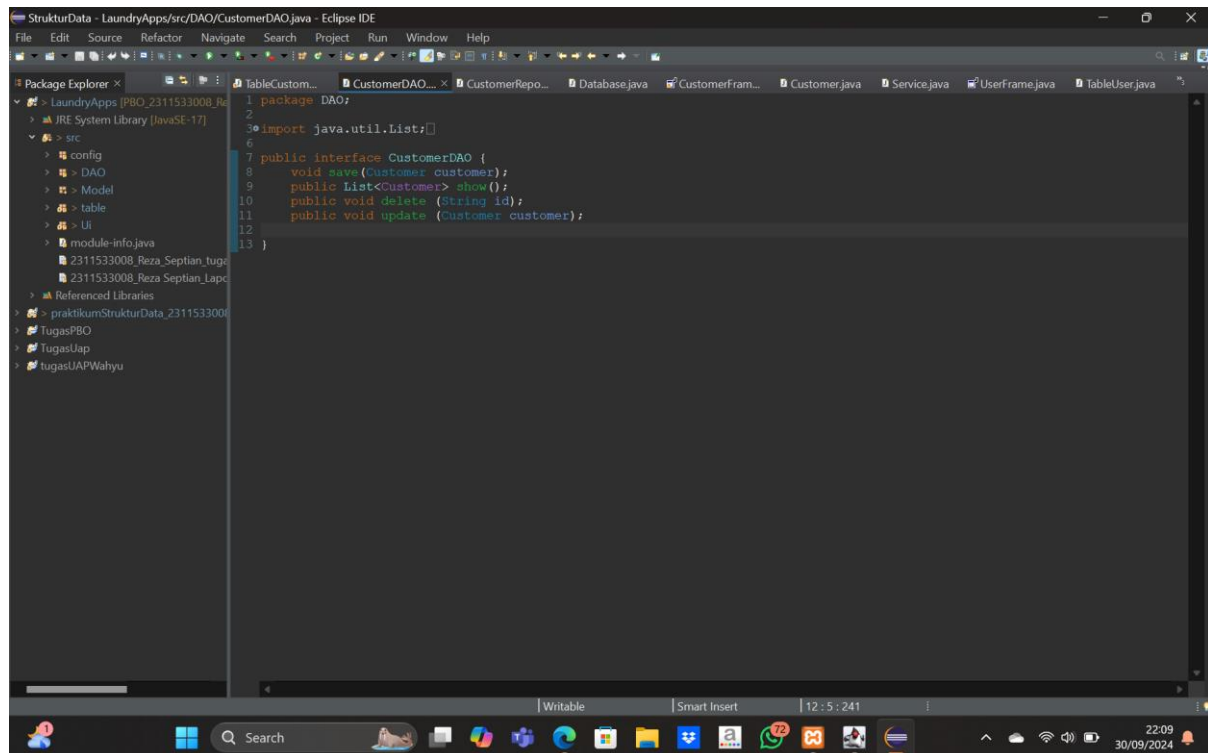
A. Tujuan

- Mahasiswa mampu membuat table user pada database MySQL
- Mahasiswa mampu membuat koneksi Java dengan database MySQL
- Mahasiswa mampu membuat tampilan GUI CRUD user
- Mahasiswa mampu membuat dan mengimplementasikan interface
- Mahasiswa mampu membuat fungsi DAO (Data Access Object) dan mengimplementasikannya.
- Mahasiswa mampu membuat fungsi CRUD dengan menggunakan konsep Pemrograman Berorientasi Objek

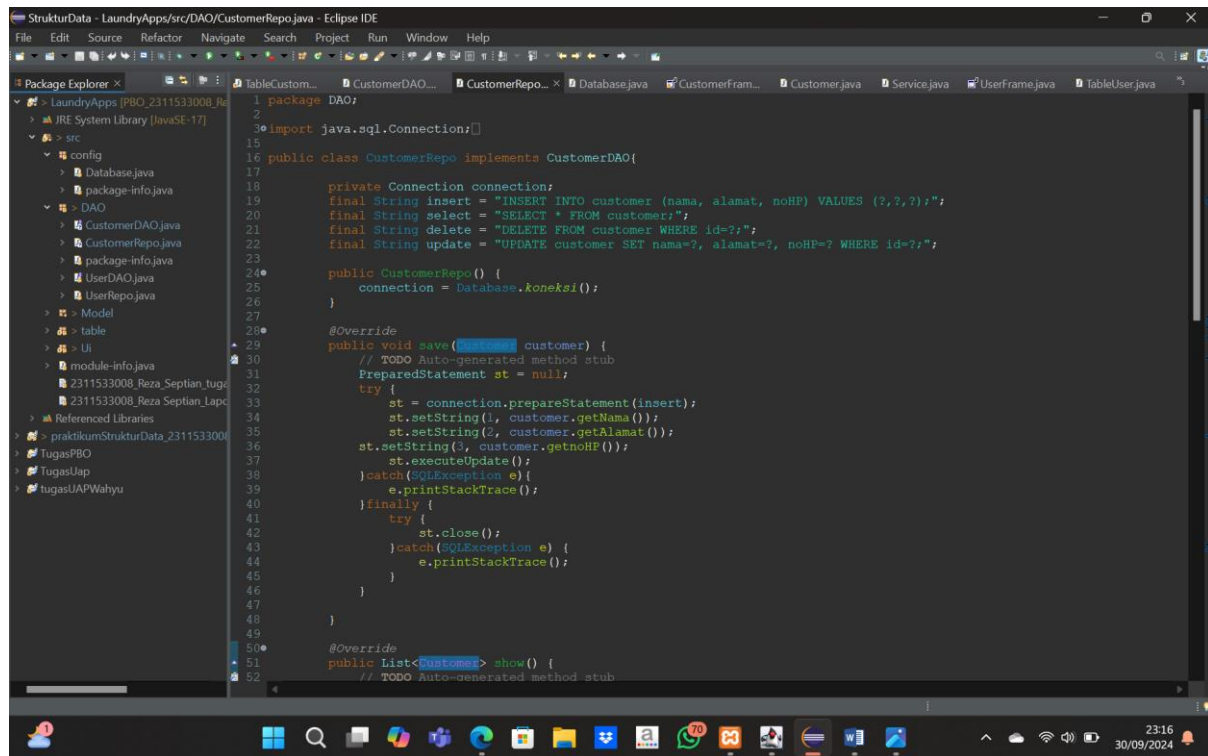
B. Alat

- **Computer / laptop** yang telah terinstall JDK dan Eclipse
- **MySQL / XAMPP**
- **MySQL connector** atau **Connector/J**

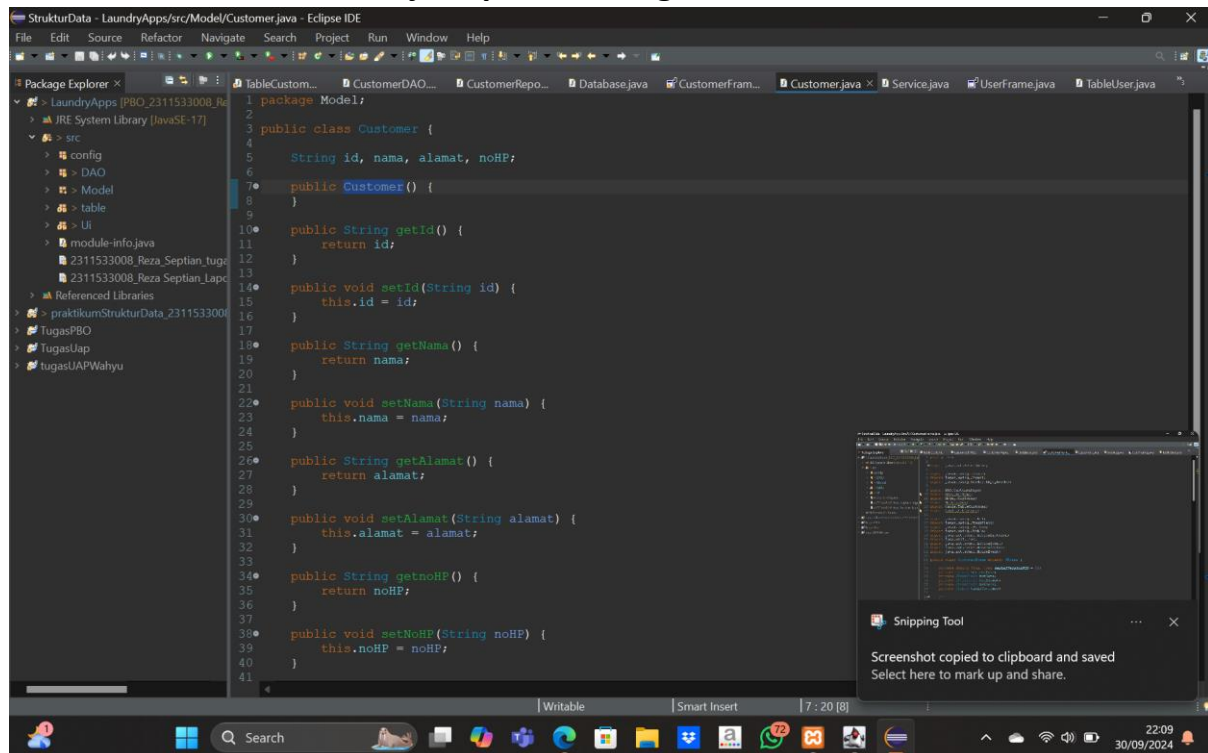
1. Membuat Class CustomerDAO di dalam Package DAO



2. Membuat class CustomerRepo di dalam Package DAO



3. Membuat class Customer java pada Package Model



4. Membuat class TableCustomer pada package table

The screenshot shows the Eclipse IDE with the 'StrukturData - LaundryApps/src/table/TableCustomer.java' file open. The code defines the 'TableCustomer' class, which extends 'AbstractTableModel'. It includes a private list of 'Customer' objects, a private array of column names ('ID', 'Nama', 'Alamat', 'noHP'), and implements methods for 'getRowCount()', 'getColumnCount()', 'getColumnName()', and 'getValueAt()'. The 'Package Explorer' on the left shows the project structure, including the 'table' package. The bottom status bar indicates the file is at line 45, column 902.

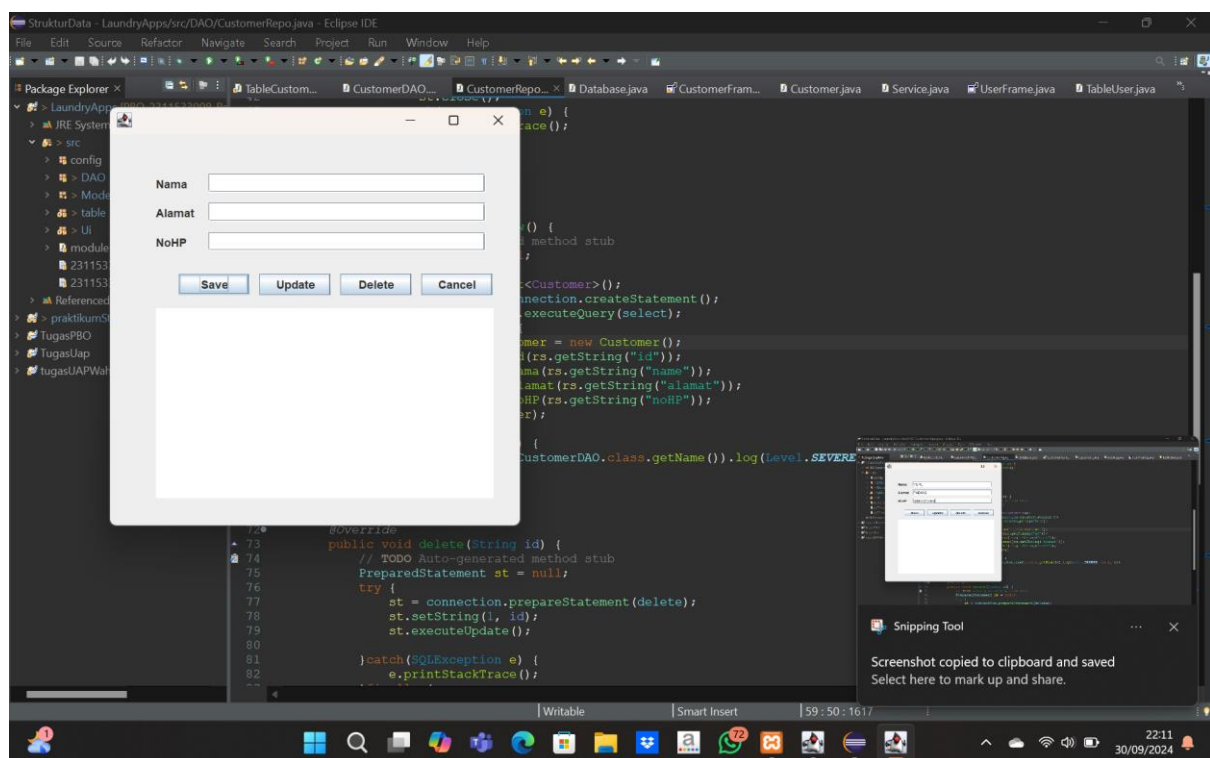
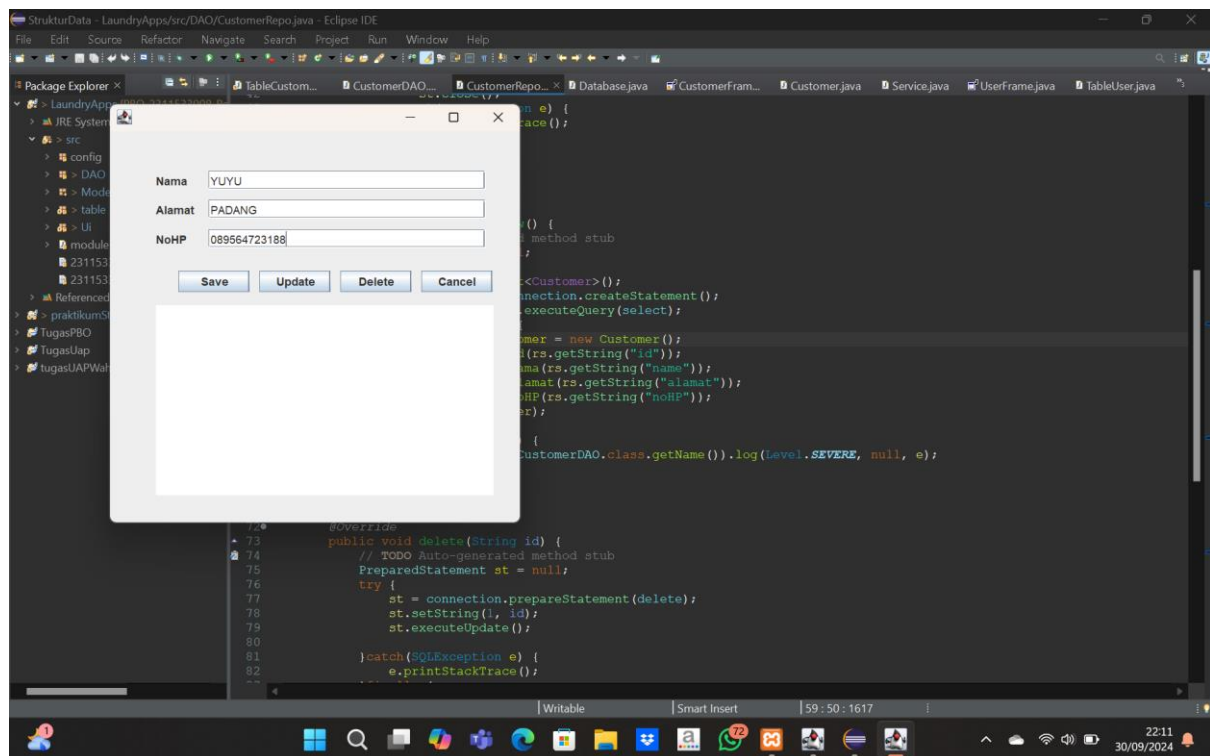
```
1 package table;
2
3 import java.util.List;
4
5
6 public class TableCustomer extends AbstractTableModel {
7     List<Customer> ls;
8     private String[] columnNames = {"ID", "Nama", "Alamat", "noHP"};
9     public TableCustomer(List<Customer> ls) {
10         this.ls = ls;
11     }
12     @Override
13     public int getRowCount() {
14         return 0;
15     }
16     @Override
17     public int getColumnCount() {
18         // TODO Auto-generated method stub
19         return 0;
20     }
21     public String getColumnName(int column) {
22         return columnNames[column];
23     }
24     @Override
25     public Object getValueAt(int rowIndex, int columnIndex) {
26         // TODO Auto-generated method stub
27         switch (columnIndex) {
28             case 0:
29                 return ls.get(rowIndex).getId();
30             case 1:
31                 return ls.get(rowIndex).getNama();
32             case 3:
33                 return ls.get(rowIndex).getAlamat();
34             default:
35                 return null;
36         }
37     }
38 }
```

5. Membuat class CustomerFrame pada package Ui

The screenshot shows the Eclipse IDE with the 'StrukturData - LaundryApps/src/Ui/CustomerFrame.java' file open. The code defines the 'CustomerFrame' class, which extends 'JFrame'. It includes imports for various Java Swing and AWT classes, as well as the 'TableCustomer' and 'TableUser' classes. The class contains private fields for 'serialVersionUID', 'contentPane', 'txtNama', 'txtAlamat', 'txtNoHP', and 'tableCustomer'. It also includes a 'main' method that launches the application. The 'Package Explorer' on the left shows the project structure, including the 'Ui' package. The bottom status bar indicates the file is at line 119, column 3029.

```
1 package Ui;
2
3 import java.awt.EventQueue;
4
5 import javax.swing.JFrame;
6 import javax.swing.JPanel;
7 import javax.swing.border.EmptyBorder;
8
9 import DAO.CustomerRepo;
10 import DAO.UserRepo;
11 import Model.Customer;
12 import Model.User;
13 import table.TableCustomer;
14 import table.TableUser;
15
16 import javax.swing.JLabel;
17 import javax.swing.JTextField;
18 import javax.swing.JButton;
19 import javax.swing.JTable;
20 import java.awt.event.ActionListener;
21 import java.util.List;
22 import java.awt.event.ActionEvent;
23 import java.awt.event.MouseAdapter;
24 import java.awt.event.MouseEvent;
25
26 public class CustomerFrame extends JFrame {
27
28     private static final long serialVersionUID = 1L;
29     private JPanel contentPane;
30     private JTextField txtNama;
31     private JTextField txtAlamat;
32     private JTextField txtNoHP;
33     private JTable tableCustomer;
34
35     /**
36      * Launch the application.
37      */
38     public static void main(String[] args) {
39         EventQueue.invokeLater(new Runnable() {
40             @Override
41             public void run() {
42                 // TODO Auto-generated method stub
43             }
44         });
45     }
46 }
```

Hasil yang didapatkan



Hasil dalam kodingan diatas masih terdapat kesalahan dimana variabel yang diinputkan tidak dapat keluar dalam Jtable sesuai dengan yang diinginkan.

Mohon maaf pak.