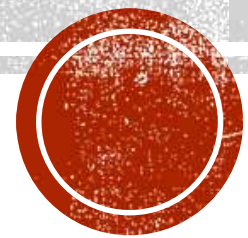
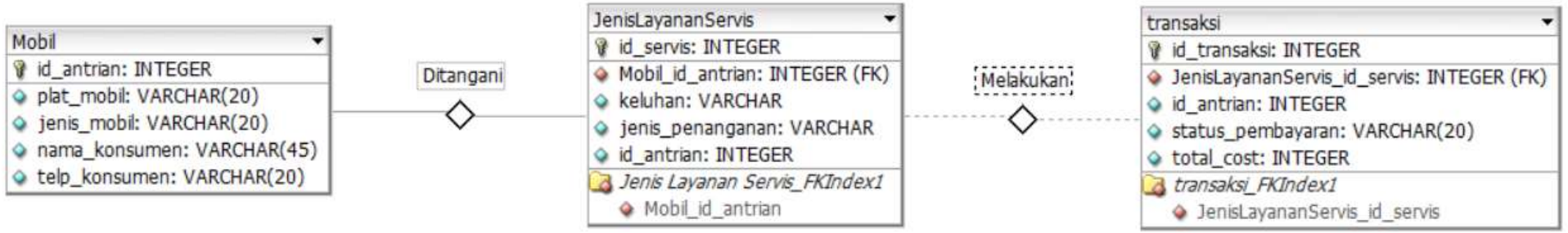
Bagus Nuril Anam

L200170006

APPLICATION SERVICE MOBIL



ER DIAGRAM


Mobil
id_antrian: INTEGER
plat_mobil: VARCHAR(20)
jenis_mobil: VARCHAR(20)
nama_konsumen: VARCHAR(45)
telp_konsumen: VARCHAR(20)
Ditangani
JenisLayananServis
id_servis: INTEGER
Mobil_id_antrian: INTEGER (FK)
keluhan: VARCHAR
jenis_penanganan: VARCHAR
id_antrian: INTEGER
Jenis Layanan Servis_FKIndex1
Mobil_id_antrian
Melakukan
transaksi
id_transaksi: INTEGER
JenisLayananServis_id_servis: INTEGER (FK)
id_antrian: INTEGER
status_pembayaran: VARCHAR(20)
total_cost: INTEGER
transaksi_FKIndex1
JenisLayananServis_id_servis

PEMBUATAN DATABASE

```
MariaDB [(none)]> create database servicemobil;
Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> use servicemobil;
Database changed
MariaDB [servicemobil]> create table servicemobil;
ERROR 1113 (42000): A table must have at least 1 column
MariaDB [servicemobil]> create table mobil(
    -> id_antrian integer primary key,
    -> jenis_mobil varchar(20),
    -> plat_mobil varchar(20),
    -> nama_konsumen varchar(45),
    -> telp_konsumen varchar(20);
```

```
)' at line 5
MariaDB [servicemobil]> create table jenislayananservice(
    -> id_servis integer primary key,
    -> id_antrianFK integer references mobil(id_antrian) on delete cascade on update cascade,
    -> keluhan varchar(255),
    -> jenis_penanganan varchar(255));
```

```
MariaDB [servicemobil]> create table transaksi(
    -> id_transaksi integer primary key,
    -> id_antrianFK integer references jenislayananservis(id_antrian) on delete cascade on update cascade,
    -> status_pembayaran varchar(20),
    -> total_cost integer);
Query OK, 0 rows affected (0.17 sec)
```

METHOD

```
private void kosongkan_form(){
    txttra.setEditable(true);
    txttra.setText(null);
    txtant.setText(null);
    txttot.setText(null);
    txtstat.setText(null);
    }
private void tampilkan_data(){

    DefaultTableModel model = new DefaultTableModel();
    model.addColumn("No.");
    model.addColumn("id transaksi");
    model.addColumn("id antrian");
    model.addColumn("status pembayaran");
    model.addColumn("total");


    try{
        int no = 1;
        String sql = "SELECT * FROM transaksi";
        java.sql.Connection conn = (Connection)konfig.configDB();
        java.sql.Statement stm = conn.createStatement();
        java.sql.ResultSet res = stm.executeQuery(sql);

        while(res.next()){
            model.addRow(new Object[]{no++,res.getString(1),res.getString(2),res.getString(3),res.getSt
        }
        table4.setModel(model);
    }catch (SQLException e){
        System.out.println("Error : " + e.getMessage());
    }
}
```

Activ
Go to

MEMBUAT JFRAME LAYAR DITENGAH

```
 */
public transaksi() {
    initComponents();
    tampilkan_data();
    kosongkan_form();

    Dimension layar = Toolkit.getDefaultToolkit().getScreenSize();

    // membuat titik x dan y
    int x = layar.width / 2  - this.getSize().width / 2;
    int y = layar.height / 2 - this.getSize().height / 2;

    this.setLocation(x, y);
}
```

MACAM2 ACTION

- Insert

```
private void btsimpanActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try{
        String sql = "INSERT INTO transaksi VALUES('"+txttra.getText()+
                "','"+txtant.getText()+"','"+txttot.getText()+"','"+txtstat.getText()+"')";
        java.sql.Connection conn = (Connection)konfig.configDB();
        java.sql.PreparedStatement pstm = conn.prepareStatement(sql);
        pstm.execute();
        JOptionPane.showMessageDialog(null, "Proses Simpan Data Berhasil..");
        tampilkan_data();
        kosongkan_form();

    }catch(HeadlessException | SQLException e ){
        JOptionPane.showMessageDialog(this, e.getMessage());}
}
```

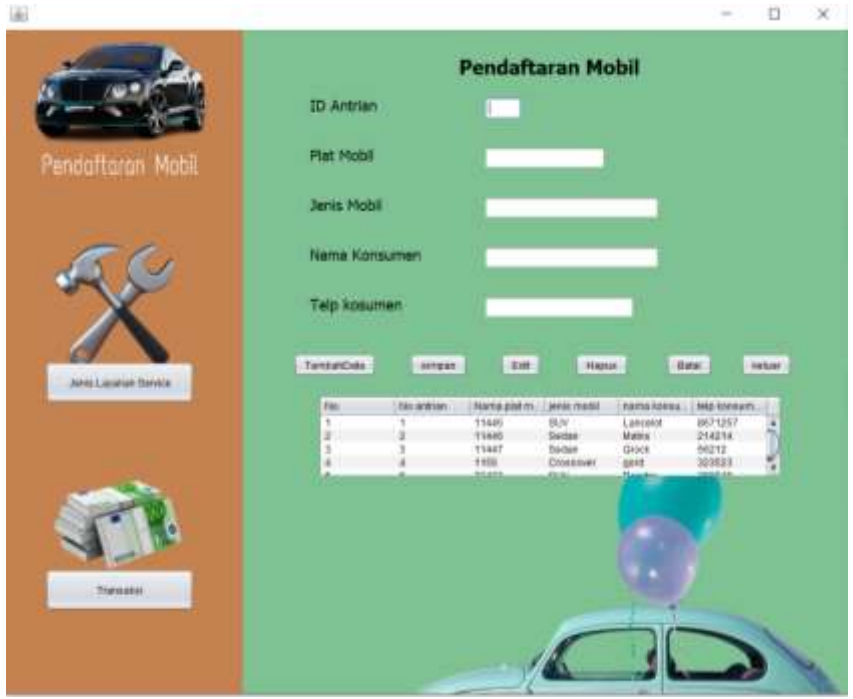
- Update

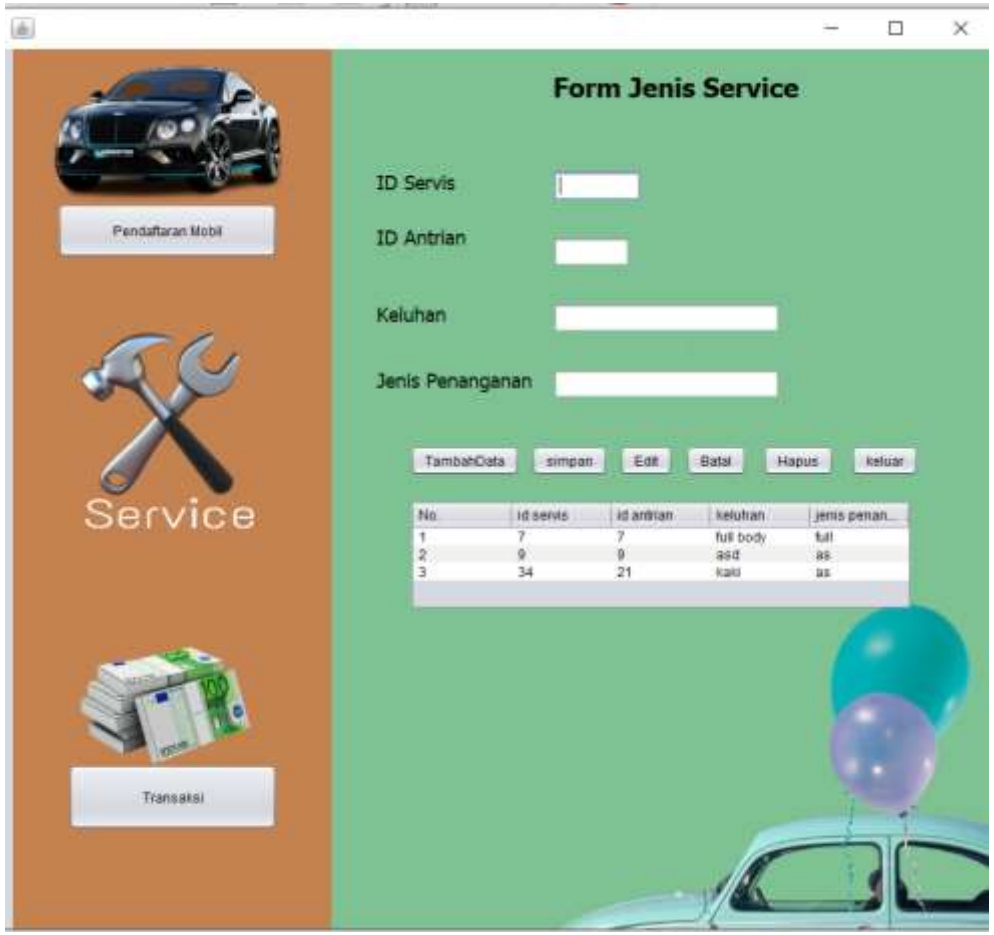
```
private void bteditActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try{
        String sql = "UPDATE transaksi SET id_transaksi = '"+txttra.getText()+"',id_antrianFK"+ "='"+txtant.getText()+
                "',total_cost='"+txtstat.getText()+"',status_pembayaran='"+txttot.getText()
                +"'WHERE id_transaksi = '"+txttra.getText()+"'";
        java.sql.Connection conn = (Connection)konfig.configDB();
        java.sql.PreparedStatement pstm = conn.prepareStatement(sql);
        pstm.execute();
        JOptionPane.showMessageDialog(null, "Edit Data Berhasil...");
    }catch(HeadlessException | SQLException e){
        JOptionPane.showMessageDialog(this, e.getMessage());
    }
    tampilkan_data();
    kosongkan_form();
}
```

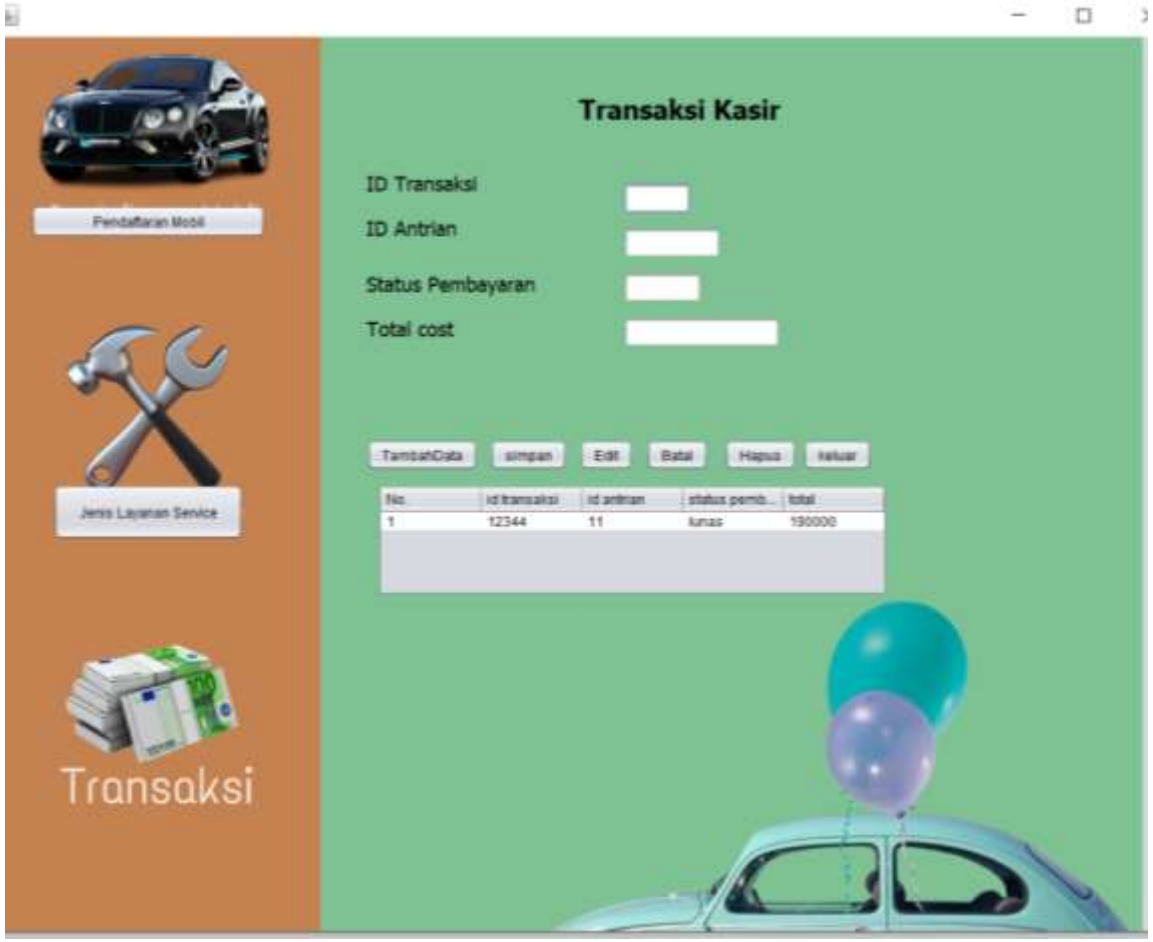
- Delete

```
private void bthabpusActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try{
        String sql = "DELETE FROM transaksi WHERE id_transaksi='"+txttra.getText()+"'";
        java.sql.Connection conn = (Connection)konfig.configDB();
        java.sql.PreparedStatement pstm = conn.prepareStatement(sql);
        pstm.execute();
        JOptionPane.showMessageDialog(null, "Hapus Data Berhasil...");
    }catch(HeadlessException | SQLException e){
        JOptionPane.showMessageDialog(this, e.getMessage());
    }
    tampilkan_data();
    kosongkan_form();
}
```

TAMPILAN APLIKASI




Pendaftaran Mobil
Service
Transaksi
Form Jenis Service
ID Servis
ID Antrian
Keluhan
Jenis Penanganan
TambahData
simpan
Edit
Batal
Hapus
keluar
No.
id servis
id antrian
keluhan
jenis penan...
1
7
7
full body
ful
2
9
9
asd
as
3
34
21
kaki
as


Pendaftaran Mobil
Jenis Layanan Service
Transaksi
Transaksi Kasir
ID Transaksi
ID Antrian
Status Pembayaran
Total cost
TambahData
simpan
Edit
Batal
Hapus
keluar
No
id transaksi
id antrian
status pemb...
total
1
12344
11
lunas
190000