Nama: Galih Prayoga

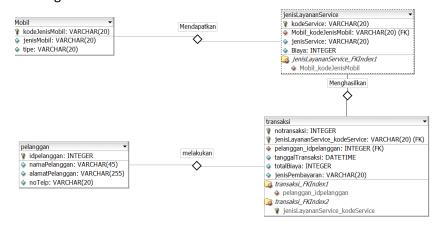
NIM : L200180006

Kelas : A

# Laporan Praktikum Sistem Basis Data

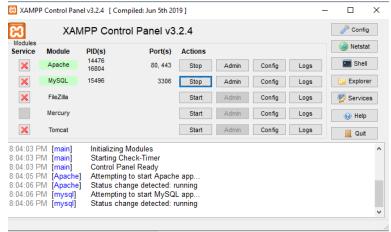
# Modul 12 (Aplikasi dengan Database)

- 1. Membuat aplikasi service mobil berbasis Java dengan entitas sebagai berikut:
  - Mobil
  - Jenis layanan service
  - Transaksi
  - Pelanggan
- 2. Atribute yang dimiliki pada tiap-tiap entitas:
  - Pelanggan:
    - i. Id Pelanggan
    - ii. Nama Pelanggan
    - iii. Alamat
    - iv. No Telp
  - Mobil:
    - i. Kode jenis mobil
    - ii. Jenis mobil
    - iii. Tipe
  - Jenis layanan service:
    - i. Kode service
    - ii. Jenis service
    - iii. Biaya
  - Transaksi:
    - i. Nomor transaksi
    - ii. Tanggal transaksi
    - iii. Total biaya
    - iv. Jenis pembayaran
- 3. ER-Diagaram

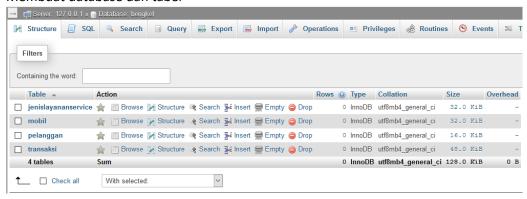


## 4. Membuat database dan tabel

Menjalankan mysql dan apache pada xampp



Membuat database dan tabel



5. Menghubungkan database dengan netbeans

```
package bengkel;
   import java.sql.Connection;
      import java.sql.DriverManager;
     import java.sql.SQLException;
 5 🖃 /**
 6
      * @author GALIH
      public class Bengkel {
10 🖃
          public static Connection getConnection() {
11
             Connection conn = null:
              String url = "jdbc:mysql://localhost/bengkel";
12
              String user = "root";
14
              String password = "";
15
16
                  conn = DriverManager.getConnection(url, user, password);
              } catch (SQLException e) {
17
18
                  System.out.println(e);
20
              return conn;
21
   阜
22
          public static void main(String[] args) {
23
             try{
24
                Connection c = Bengkel.getConnection();
                 System.out.println(String.format("Connected to database %s " + "succesfully.", c.getCatalog()));
26
             } catch (SQLException e){
27
                System.out.println(e);
28
29
```

•

6. Halaman utama pada aplikasi



# Kode jButton:

```
private void btn mobilActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    new mobil().setVisible(true);
    new mobil().setDefaultCloseOperation(new mobil().DISPOSE_ON_CLOSE);
    this.setVisible(false);

}

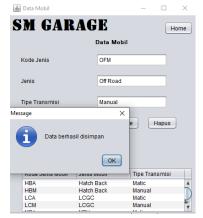
private void btn layananActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    new layanan().setVisible(true);
    new layanan().setDefaultCloseOperation(new layanan().DISPOSE_ON_CLOSE);
    this.setVisible(false);
}

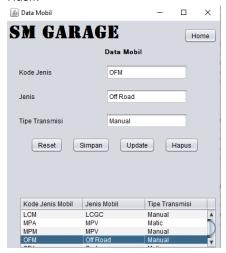
private void btn transaksiActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    new Transaksi().setVisible(true);
    new Transaksi().setVisible(true);
    private void btn pelangganActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    new Transaksi().setVisible(true);
    private void btn pelangganActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    new pelanggan().setVisible(true);
    new pelanggan().setVisible(true);
    new pelanggan().setVisible(true);
    new pelanggan().setDefaultCloseOperation(new pelanggan().DISPOSE_ON_CLOSE);
    this.setVisible(false);
}
```

## 7. Mobil



Menyimpan data





## Kode:

# • Menghapus data



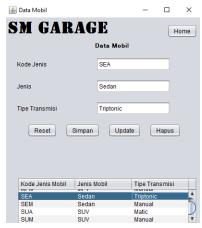


# Kode:



# • Mengupdate data





8. Jenis Layanan



Menyimpan data



Hasil:



Mengupdate data



Hasil:



# Menghapus data



Hasil:



# 9. Pelanggan



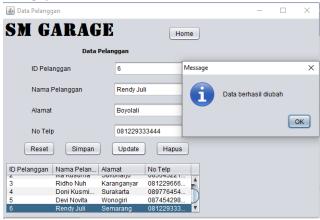
Menyimpan data





### Kode:

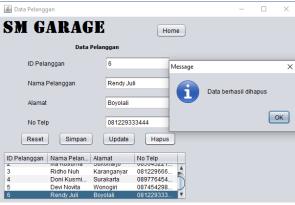
Mengupdate data

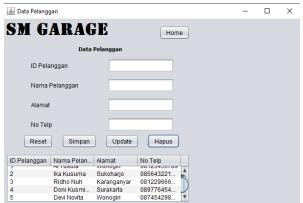




### Kode:

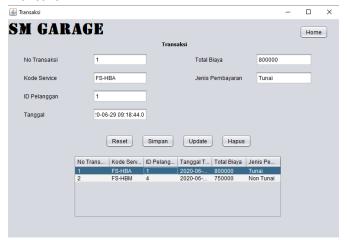
# Menghapus data



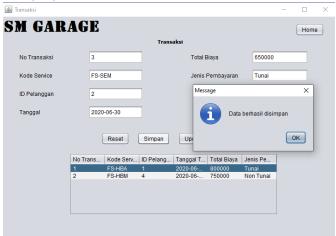


```
private void btn hapusActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try{
        String sql = "DELETE FROM pelanggan WHERE idPelanggan='"+tf_id.getText()+"'";
        java.sql.Connection conn = (Connection)Koneksi.getConnection();
        java.sql.PreparedStatement pstm = conn.prepareStatement(sql);
        pstm.execute();
        JOptionPane.showMessageDislog(null, "Data berhasil dihapus");
    } catch(SQLException e) {
        JOptionPane.showMessageDislog(this, e.getMessage());
    }
    showData();
    reset();
}
```

# 10. Transaksi

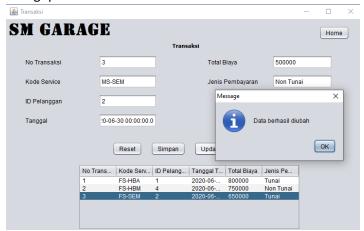


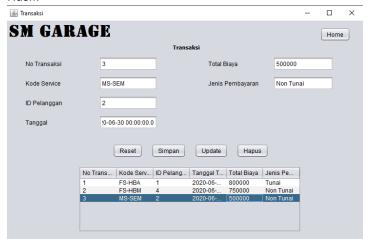
• Menyimpan data



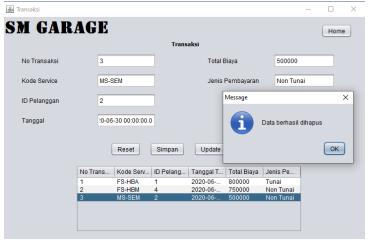


• Mengupdate data





• Menghapus data



## Hasil:



## Kode: