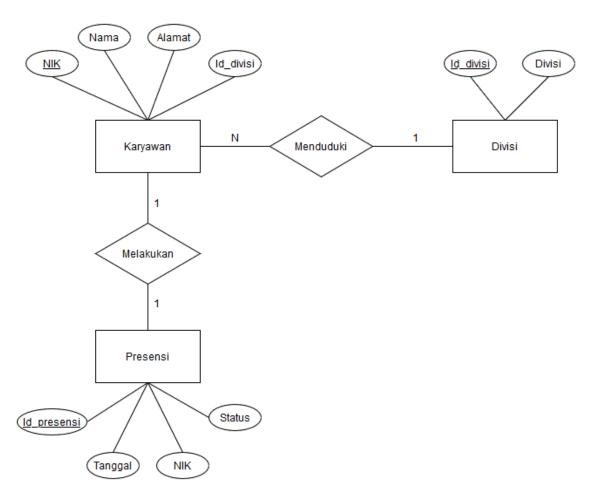
Nama : Sang Aji Indutoro NIM : L200180003

Program Karyawan Perusahaan

A. Studi Kasus

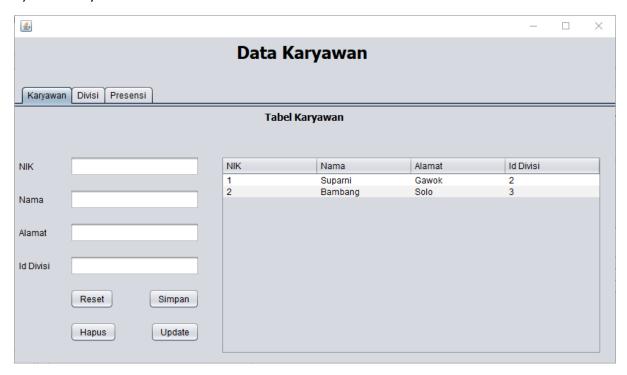
Aplikasi karyawan perusahaan merupakan aplikasi yang mengelola data karyawan di perusahaan seperti menampilkan, menambah, mengubah, dan menghapus data. Aplikasi ini memiliki 3 tabel yaitu karyawan, divisi, dan presensi. Tabel karyawan memiliki beberapa atribut diantaranya NIK, nama, alamat, dan id divisi. Tabel divisi memiliki atribut id divisi dan divisi (nama divisi) . Setiap divisi dapat diduduki oleh beberapa karyawan sekaligus. Masingmasing karyawan yang hadir diwajibkan untuk melakukan presensi sebagai bukti kehadiran. Sedangkan, tabel presensi memiliki atribut id presensi, tanggal, NIK, dan status

B. ERD



C. Implementasi

1) Data Karyawan

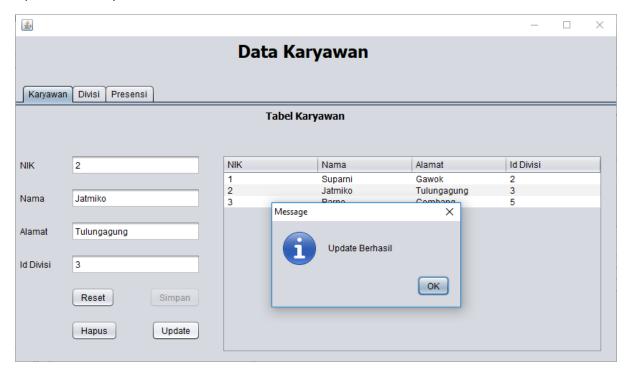


```
public void tampilData(String where) {
  try {
   st = cn.createStatement();
   tabModel.getDataVector().removeAllElements();
    tabModel.fireTableDataChanged();
   rs = st.executeQuery("SELECT * FROM karyawan " + where);
    while (rs.next()) {
     Object[] data = {
        rs.getString("NIK"),
       rs.getString("nama karyawan"),
        rs.getString("alamat_karyawan"),
        rs.getString("id divisiFK"),
      };
        tabModel.addRow(data);
  } catch(Exception e) {
    e.printStackTrace();
```

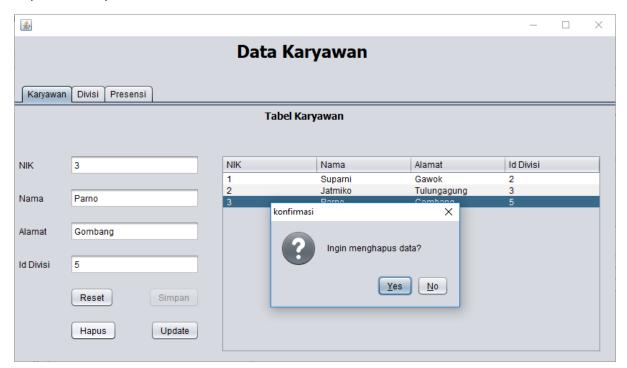
Input data karyawan



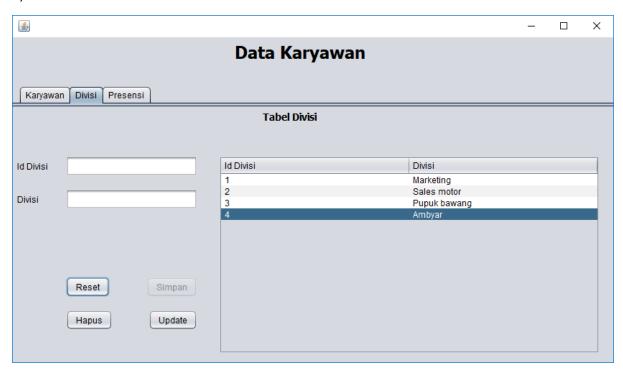
Update data karyawan



Hapus data karyawan



2) Data Divisi

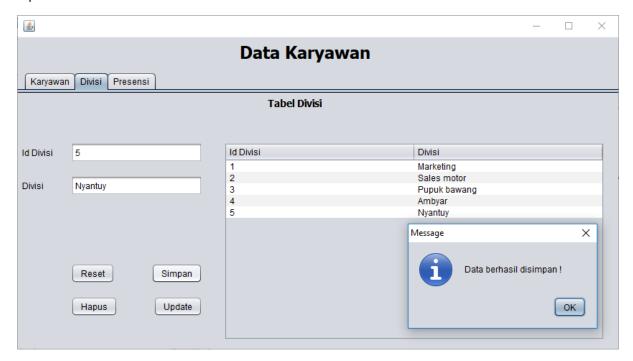


```
public void tampilData2(String where) {
   try {
     st = cn.createStatement();
     tabModel2.getDataVector().removeAllElements();
     tabModel2.fireTableDataChanged();
     rs = st.executeQuery("SELECT * FROM divisi " + where);

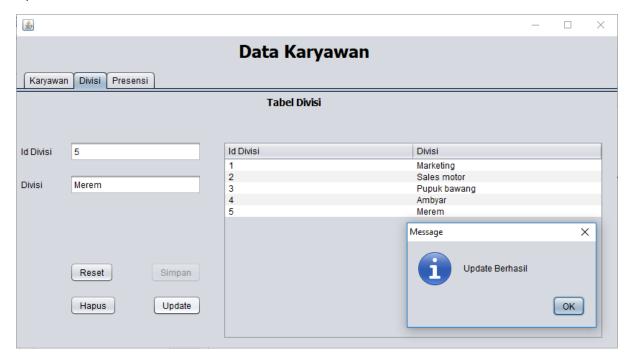
     while (rs.next()) {
        Object[] data = {
            rs.getString("id_divisi"),
            rs.getString("divisi"),
        };

        tabModel2.addRow(data);
    }
} catch(Exception e) {
        e.printStackTrace();
}
```

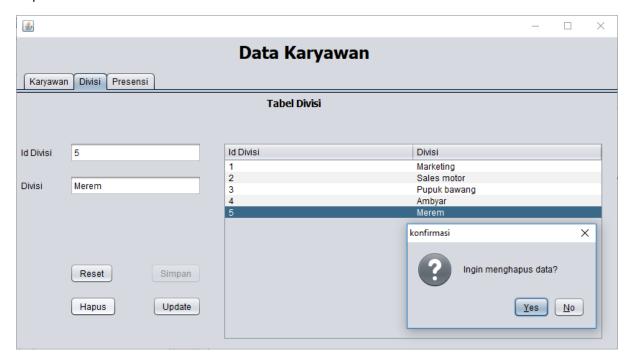
Input data divisi



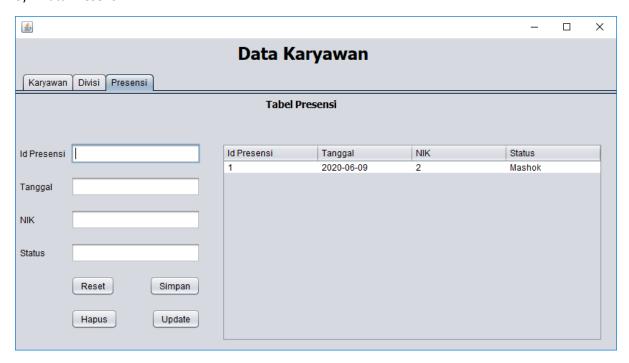
Update data divisi



Hapus data divisi

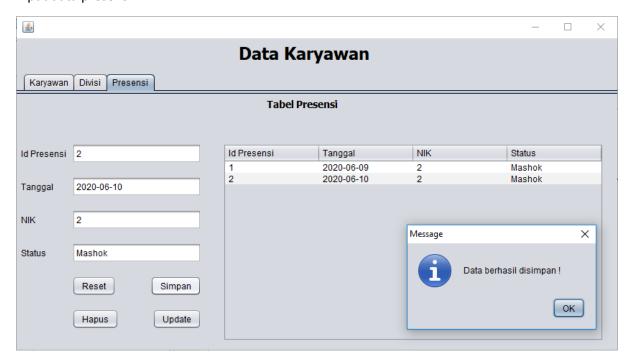


3) Data Presensi

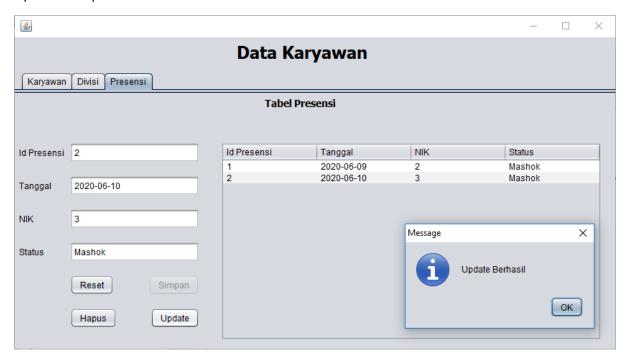


```
public void tampilData3(String where) {
  try {
    st = cn.createStatement();
    tabModel3.getDataVector().removeAllElements();
    tabModel3.fireTableDataChanged();
    rs = st.executeQuery("SELECT * FROM presensi " + where);
    while (rs.next()) {
      Object[] data = {
       rs.getString("id pres"),
        rs.getString("tanggal"),
        rs.getString("nikFK"),
        rs.getString("status"),
      };
        tabModel3.addRow(data);
  } catch(Exception e) {
    e.printStackTrace();
```

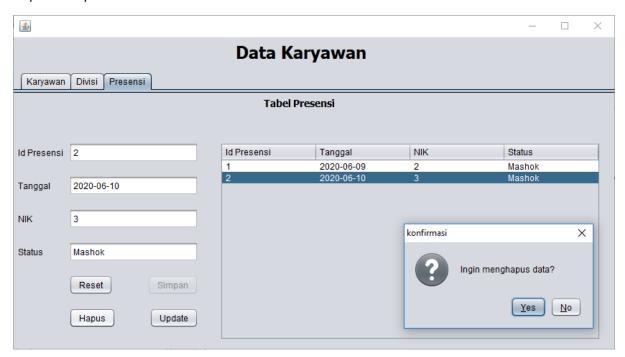
Input data presensi



Update data presensi



Hapus data presensi



Source code:

Database:

