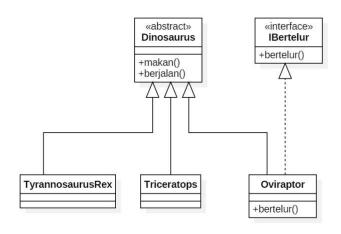
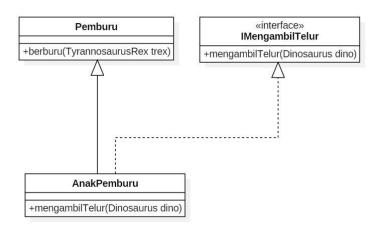
1. Class Diagram





2. Implementasi kelas jagoanList

```
class JagoanList {
   public int hitungUnik(List list) {
       Set set = new HashSet<>();
       set.addAll(list);
       int setSize = set.size();
       return setSize;
   public int hitungFrek(String nilai, List<String> list) {
       int counter = 0;
       if (!list.isEmpty()) {
           for (int i = 0; i < list.size(); i++) {</pre>
               if (list.get(i).equals(nilai)) {
                   counter++;
               }
           }
       }
       return counter;
   }
   public int hitungFrek(int nilai, List<Integer> list) {
       int counter = 0;
       if (!list.isEmpty()) {
           for (int i = 0; i < list.size(); i++) {</pre>
               if (list.get(i).equals(nilai)) {
                   counter++;
               }
           }
       return counter;
   }
```

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3a. Model Class Diagram

Mahasiswa	Alamat
-NIM: int	-kodeAlamat: int
-nama: String	-jalan: String
-alamat: Alamat	-kota: String
+getNIM(): int	+getKodeAlamat(): int
+setNIM(int nim)	+setKodeAlamat(int k)
+getNama(): int	+getJalan(): String
+setNama(String nama)	+setJalan(String jalan)
+getAlamat(): Alamat	+getKota(): String
+setAlamat(Alamat alamat)	+setKota(String kota)
+toString(): String	+toString(): String

3b. Model Relasional

mahasiswa

NIM	nama	kode_alamat	€
		•	

ć	alamat		
	kode_alamat	jalan	kota

3c. Query insertAlamat & insertMahasiswa

```
String queryInsertAlamat = "INSERT INTO alamat (kode_alamat, jalan, kota)
VALUES ('" + mhs.getAlamat().getKodeAlamat() + '", '" +
mhs.getAlamat().getJalan() + "', '" + mhs.getAlamat().getKota() + "')";
String queryInsertMahasiswa = "INSERT INTO mahasiswa (nama, alamat) VALUES
('" + mhs.getNama() + '", '" + mhs.getAlamat().getKodeAlamat() + "')";
```