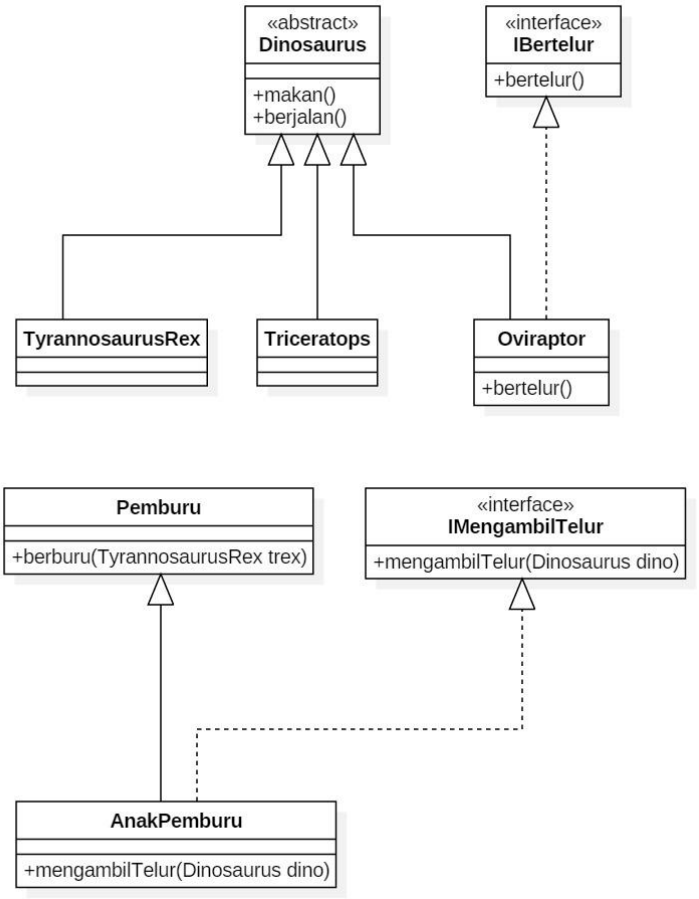
UAS PBO 2016/2017

1. Class Diagram

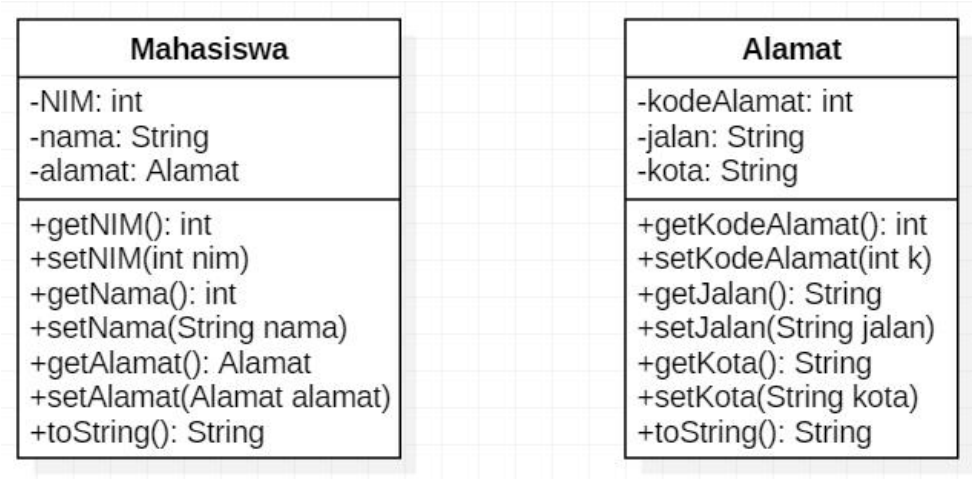


2. Implementasi kelas jagoanList

```
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++) {
                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++) {
                if (list.get(i).equals(nilai)) {
                    counter++;
                }
            }
        }

        return counter;
    }
}
```

UAS PBO 2016/2017

3a. Model Class Diagram



3b. Model Relasional

mahasiswa

NIM	nama	kode_alamat

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() + "')";
```