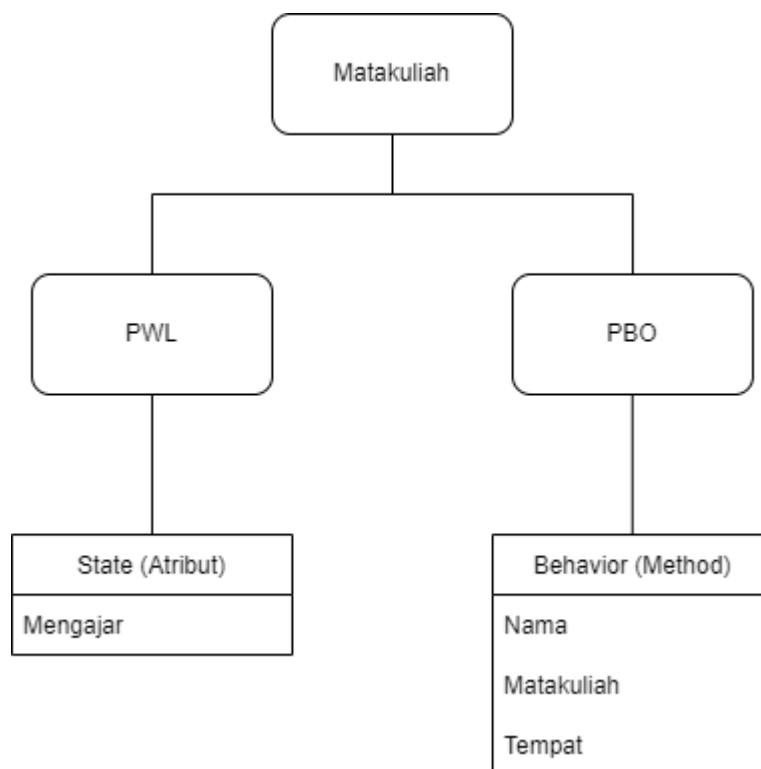# TUGAS 2

PEMROGRAMAN BERORIENTASI OBJEK

KELOMPOK :

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1. Diagram Class

2. Source Code

Matakuliah.java

```java
public abstract class Matakuliah {
    private String nama;
    private String matakuliah;

    public Matakuliah(String nama, String matakuliah) {
        this.nama = nama;
        this.matakuliah = matakuliah;
```

```java
    }

    public abstract void mengajar();

    public String getNama() {
        return nama;
    }

    public void setNama(String nama) {
        this.nama = nama;
    }

    public String getMatakuliah() {
        return matakuliah;
    }

    public void setMatakuliah(String matakuliah) {
        this.matakuliah = matakuliah;
    }
}
```

PBO.java

```java
public class PBO extends Matakuliah {
    public PBO(String nama) {
        super(nama, "PBO");
    }

    @Override
    public void mengajar() {
        System.out.println(getNama() + " (PBO) sedang mengajar di ruang
H.4.5");
    }
}
```

PWL.java

```java
public class PWL extends Matakuliah {
    public PWL(String nama) {
        super(nama, "PWL");
    }

    @Override
    public void mengajar() {
        System.out.println(getNama() + " (PWL) sedang mengajar di ruangan
H.4.10");
    }
}
```

Tes.java

```java
public class Tes {
    public static void main(String[] args) {
        Matakuliah PBO = new PBO("Bapak Suprayogi");
        Matakuliah PWL = new PWL("Bapak Ajib");

        PBO.mengajar();
        PWL.mengajar();
    }
}
```

Hasil.java

```
D:\DIAN NUSWANTORO UNIVERSITY\SEMESTER ANTARA II\PBO\Tugas\TUGAS2>javac Tes.java

D:\DIAN NUSWANTORO UNIVERSITY\SEMESTER ANTARA II\PBO\Tugas\TUGAS2>java Tes
Bapak Suprayogi (PBO) sedang mengajar di ruang H.4.5
Bapak Ajib (PWL) sedang mengajar di ruangan H.4.10
```