

**LAPORAN PRAKTIKUM  
MODUL 6  
INHERITANCE  
PRAKTIKUM PEMROGRAMAN BERORIENTASI OBJEK**



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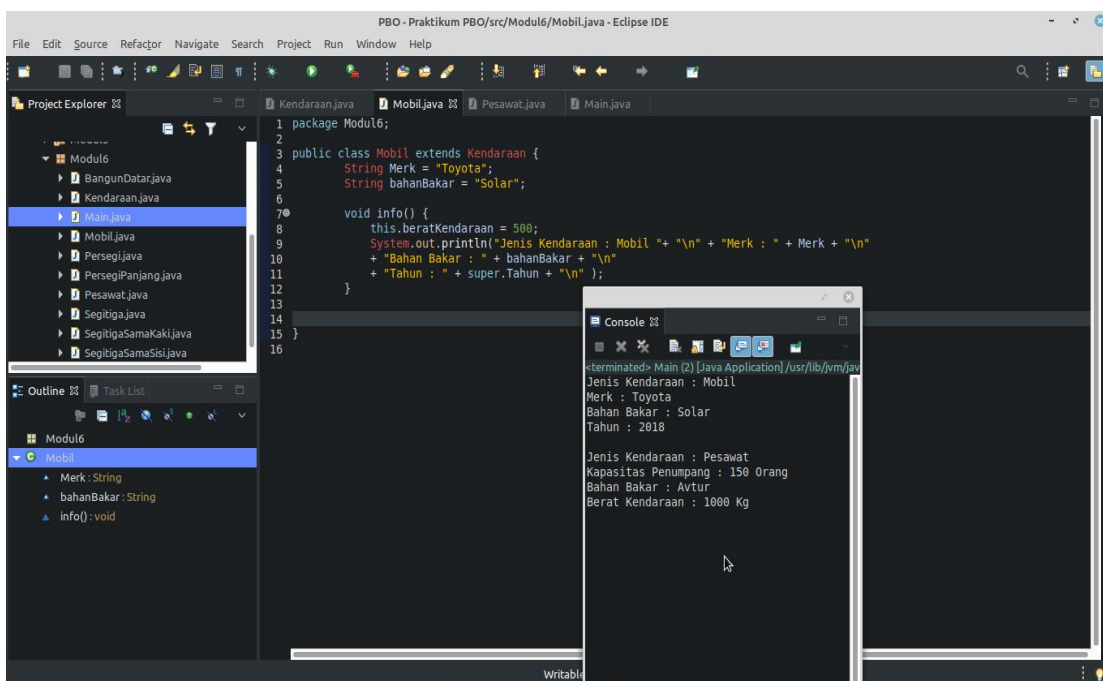
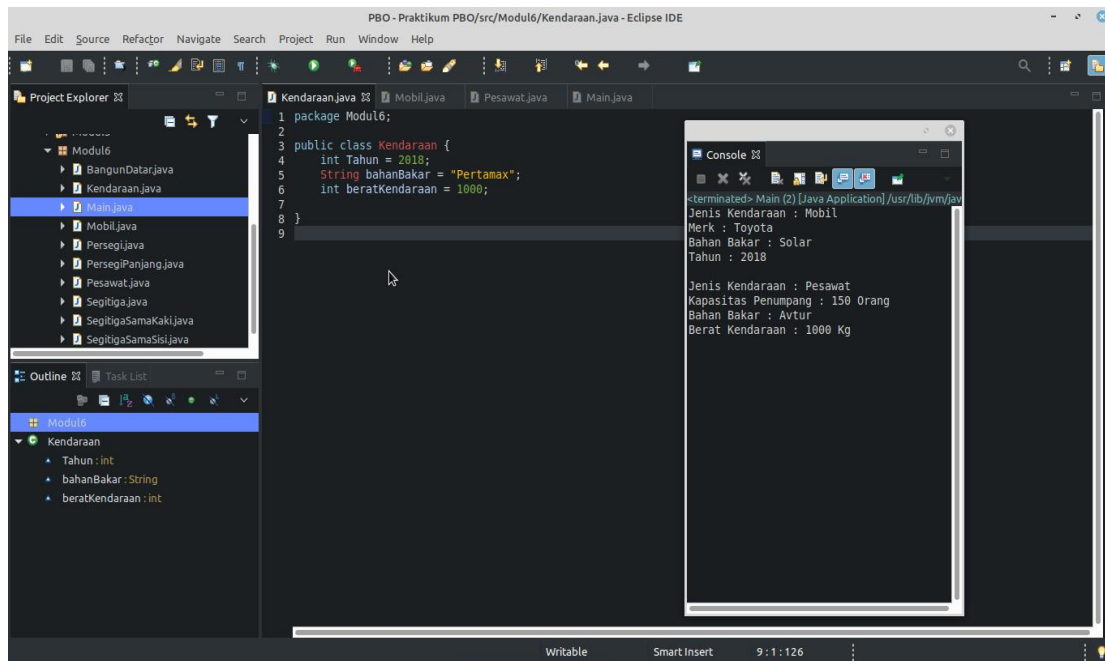
**INFORMATIKA**

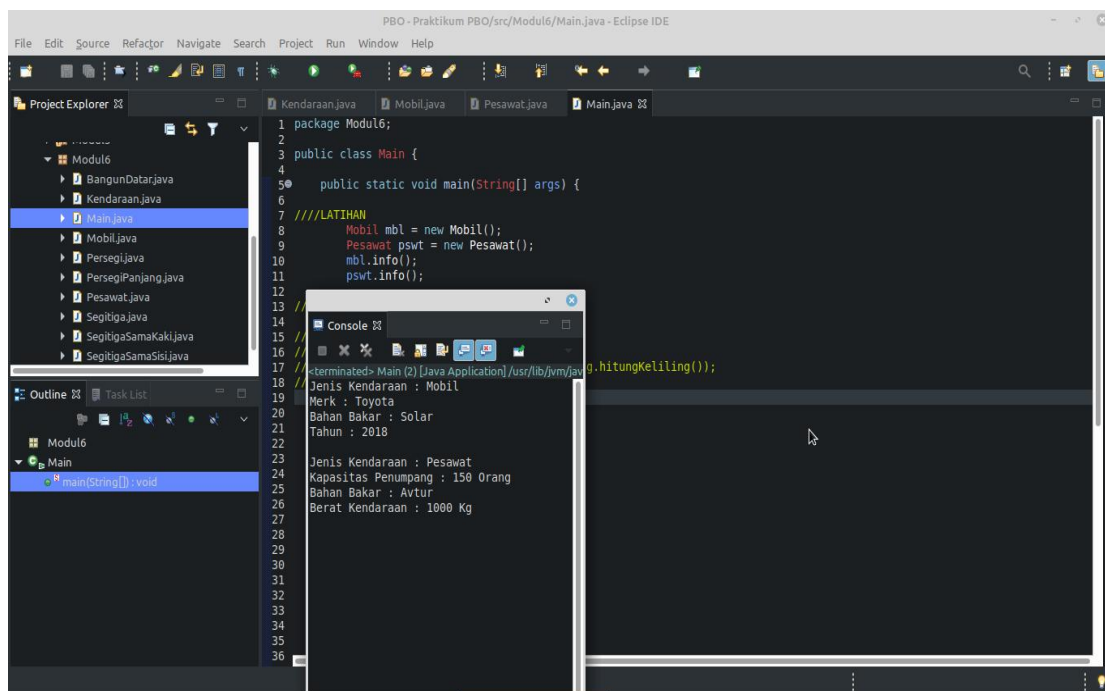
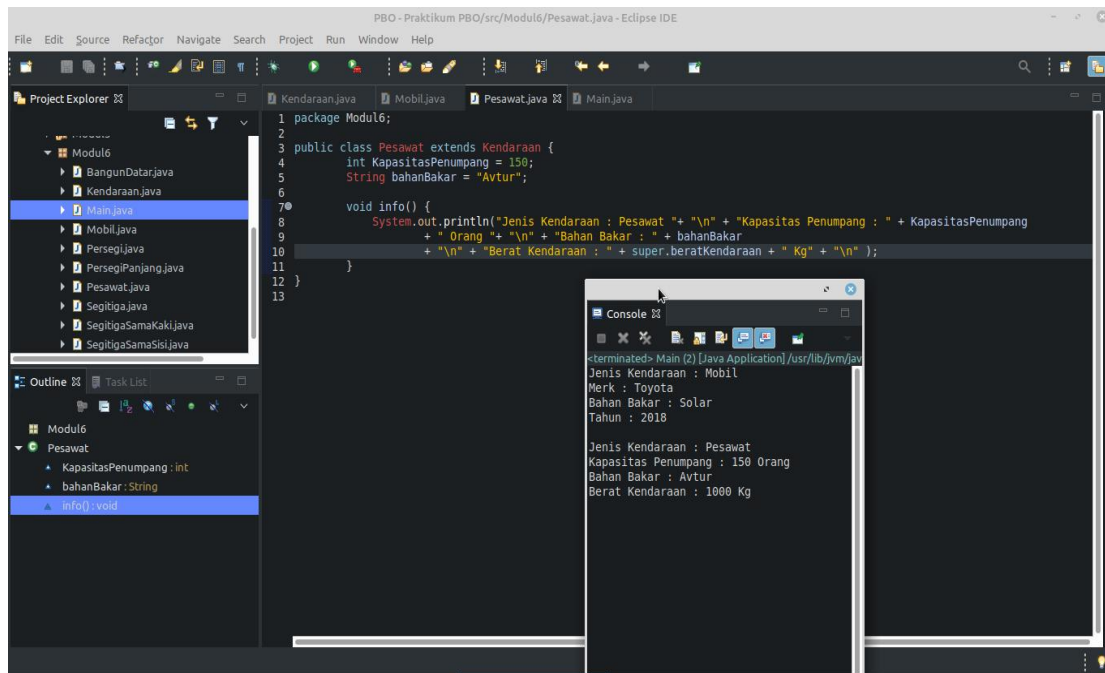
**FAKULTAS KOMUNIKASI DAN INFORMATIKA**

**UNIVERSITAS MUHAMMADIYAH SURAKARTA**

**2020**

# Latihan Praktikum





# TUGAS

The screenshot shows the Eclipse IDE with the file `BangunDatar.java` open. The code defines a class `BangunDatar` with attributes `luas` and `keliling`, and methods `hitungLuas()` and `hitungKeliling()`. The console output shows the results of these methods for various shapes.

```
package Modul6;

public class BangunDatar {
    double luas;
    double keliling;

    public void hitungLuas() {
        System.out.println ( "Luas : " + luas + " cm" );
    }

    public double hitungKeliling() {
        return keliling;
    }
}
```

Console Output:

```
<terminated> Main (2) [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/
== Persegi ==
Luas : 9.0 cm
Keliling : 12.0 cm

== Persegi Panjang ==
Luas : 12.0 cm
Keliling : 14.0 cm

== Segitiga Sama Kaki ==
Luas : 4.0 cm
Keliling : 14.0 cm

== Segitiga Sama Sisi ==
Luas : 16.0 cm
Keliling : 24.0 cm
```

The screenshot shows the Eclipse IDE with the file `Persegi.java` open. The code defines a class `Persegi` that extends `BangunDatar`, with a constructor `Persegi()` that initializes `luas` and `keliling` based on a `sisi` value. The console output shows the results of these calculations for various shapes.

```
package Modul6;

public class Persegi extends BangunDatar {
    double sisi = 3;

    public Persegi() {
        this.luas = sisi * sisi;
        this.keliling = 4 * sisi;
        System.out.println("== Persegi ==");
    }
}
```

Console Output:

```
<terminated> Main (2) [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/
== Persegi ==
Luas : 9.0 cm
Keliling : 12.0 cm

== Persegi Panjang ==
Luas : 12.0 cm
Keliling : 14.0 cm

== Segitiga Sama Kaki ==
Luas : 4.0 cm
Keliling : 14.0 cm

== Segitiga Sama Sisi ==
Luas : 16.0 cm
Keliling : 24.0 cm
```

