Nama: Gagas Surya Laksana
NIM: 1301223164
Kelas: IF-46-10

```
/Library/Java/JavaVirtualMachines/jdk-23.jdk/Cont
Status Awal Sepeda Motor:
Bensin habis, sepeda motor tidak dapat jalan
    false
Status Awal HandoBaet:
Bensin habis, sepeda motor tidak dapat jalan
    false
Status Awal YahamaMoi:
Bensin habis, sepeda motor tidak dapat jalan
    false
-----------------------------
Status Terbaru Sepeda Motor:
Waktu Saat ini: 2024-10-20T13:32:36.428286
Sepeda motor sedang berjalan
2024-10-20 16:32:36

Status Terbaru HandoBaet:
Waktu Saat ini: 2024-10-20T13:32:36.429576
Sepeda motor sedang berjalan
MotoBaet akan habis pada 2024-10-20 17:32:36

Status Terbaru YahamaMoi:
Waktu Saat ini: 2024-10-20T13:32:36.431654
Sepeda motor sedang berjalan
Bensin akan habis pada 2024-10-20 18:32:36

Process finished with exit code 0
```

```java
public class Main {
    public static void main(String[] args) {
        SepedaMotor sp = new SepedaMotor( warnaMotor: "Hitam");
        HandoBaet hb = new HandoBaet( warnaMotor: "Biru");
        YahamaMoi ym = new YahamaMoi( warna: "Merah");

        System.out.println("Status Awal Sepeda Motor:");
        System.out.println("\t"+sp.jalan());
        System.out.println("Status Awal HandoBaet:");
        System.out.println("\t"+hb.jalan());
        System.out.println("Status Awal YahamaMoi:");
        System.out.println("\t"+ym.jalan());


        System.out.println("---------------------------");


        System.out.println("Status Terbaru Sepeda Motor:");
        sp.isiTangkiFull();
        sp.jalan();
        System.out.println(sp.cekKapanHabis());

        System.out.println("\nStatus Terbaru HandoBaet:");
        hb.isiTangkiFull();
        hb.jalan();

        System.out.println("\nStatus Terbaru YahamaMoi:");
        ym.isiTangkiFull();
        ym.jalan();
    };
};
```

```java
import java.time.LocalDateTime;

public class SepedaMotor {  4 usages  2 inheritors
    private String warnaMotor;  1 usage
    protected Integer ukuranTangki;  4 usages
    private LocalDateTime waktuIsiBensin;  6 usages

    public SepedaMotor(String warnaMotor) {  3 usages
        this.warnaMotor = warnaMotor;
        this.ukuranTangki = 3;
        this.waktuIsiBensin = null;
    }

    public void isiTangkiFull() {  3 usages
        this.waktuIsiBensin = LocalDateTime.now();
        System.out.println("Waktu Saat ini: "+this.waktuIsiBensin);
    };

    public String cekKapanHabis() {  5 usages
        if (this.waktuIsiBensin == null) {
            return "";
        }
        LocalDateTime waktuHabis = this.waktuIsiBensin.plusHours(this.ukuranTangki * 1);
        return waktuHabis.toString().substring(0, 19).replace( target: "T",  replacement: " ");
    }

    public Boolean jalan() {  8 usages  2 overrides
        if(this.waktuIsiBensin != null){
            System.out.println("Sepeda motor sedang berjalan");
            return true;
        }

        System.out.println("Bensin habis, sepeda motor tidak dapat jalan");
        return false;
    };
};
```

```java
import java.util.Objects;

public class HandoBaet extends SepedaMotor{  2 usages
    public HandoBaet(String warnaMotor) {  1 usage
        super(warnaMotor);
        this.ukuranTangki = 4;
    };

    public Boolean jalan() {  8 usages
        boolean isJalan = super.jalan();
        if(!Objects.equals(super.cekKapanHabis(), b: "")) {
            System.out.println("MotoBaet akan habis pada "+super.cekKapanHabis());
        }
        return isJalan;
    };
};
```

```java
import java.util.Objects;

public class YahamaMoi extends SepedaMotor{  2 usages
    public YahamaMoi(String warna){  1 usage
        super(warna);
        this.ukuranTangki = 5;
    };

    public Boolean jalan(){  8 usages
        Boolean isJalan = super.jalan();
        if(!Objects.equals(super.cekKapanHabis(), b: "")) {
            System.out.println("Bensin akan habis pada " + super.cekKapanHabis());
        }
        return isJalan;
    };
};
```