PEMPROGRAMAN BERORIENTASI OBJEK

Dibuat untuk memenuhi Tugas Mata Kuliah

PRAK Pemrograman Berorientasi Objek

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⇨ **Main**

```java
package CPU;

public class Main {
    public static void main(String[] args) {
        // Membuat objek CPU
        CPU myKomputer = new CPU(15000000, "Lenovo");

        // Mendapatkan informasi CPU
        myKomputer.getCPUInfo();

        // Membuat objek Processor
        CPU.Processor i7 = myKomputer.new Processor(8, "Intel",
"i7");

        // Mendapatkan informasi Processor
        i7.getProcessorInfo();

        // Membuat objek RAM
        CPU.RAM rs32GB = myKomputer.new RAM(32, "Samsung");

        // Mendapatkan informasi RAM
        rs32GB.getInfoRAM();

        // Membuat objek Hardisk
        Hardisk hardisk = new Hardisk(1000, "Seagate");

        // Mendapatkan informasi Hardisk
        hardisk.getInfoHardisk();

        // Membuat objek VGACard
        VGACard vgaCard = new VGACard("NVIDIA", "GeForce RTX 3080");

        // Mendapatkan informasi VGACard
        vgaCard.getVGACardInfo();

        // Membuat objek Motherboard
        Motherboard motherboard = new Motherboard("ASUS", "VivoBook
Flip 14");

        // Mendapatkan informasi Motherboard
        motherboard.getMotherboardInfo();

        // Membuat objek PowerSupply
        PowerSupply powerSupply = new PowerSupply("Corsair", 750);

        // Mendapatkan informasi PowerSupply
        powerSupply.getPowerSupplyInfo();
    }
}
```

⇨ **Cpu**

```java
package CPU;
import java.text.NumberFormat;
import java.util.Locale;
```

```java
public class CPU {
    private double harga;
    private String merek;

    public CPU(double harga, String merek) {
        this.harga = harga;
        this.merek = merek;
    }
    public class Processor {
        int cores;
        String manufacturer;
        String name;

        Processor(int cores, String manufacturer, String name) {
            this.cores = cores;
            this.manufacturer = manufacturer;
            this.name = name;
        }

        public void getProcessorInfo() {
            System.out.println("Jumlah core: " + this.cores);
            System.out.println("Pabrik: " + this.manufacturer);
            System.out.println("Processor: " + this.name);
        }
    }

    public class RAM {
        int jumlahRAM;
        String manufacturer;

        RAM(int jumlahRAM, String manufacturer) {
            this.jumlahRAM = jumlahRAM;
            this.manufacturer = manufacturer;
        }

        public void getInfoRAM() {
            System.out.println("Jumlah RAM: " + this.jumlahRAM);
            System.out.println("Pabrik: " + this.manufacturer);
        }
    }

    public void getCPUInfo() {
        Locale localeID = new Locale("in", "ID");
        NumberFormat formatRupiah =
NumberFormat.getCurrencyInstance(localeID);

        System.out.println("Komputer Merek: " + this.merek);

        // menuliskan harga yang double ke dalam format rupiah
        System.out.println("Harga: " +
formatRupiah.format(this.harga));
    }
}
```

⇨ Hardisk

```java
package CPU;

// inner class Harddisk
```

```java
public class Hardisk {
    int kapasitas;
    String manufacturer;

    Hardisk(int kapasitas, String manufacturer) {
        this.kapasitas = kapasitas;
        this.manufacturer = manufacturer;
    }

    public void getInfoHardisk() {
        System.out.println("Kapasitas Hardisk: " + this.kapasitas + " GB");
        System.out.println("Pabrik: " + this.manufacturer);
    }
}
```

⇨ Motherboard

```java
package CPU;
// inner class Motherboard
public class Motherboard {
    String manufacturer;
    String model;

    Motherboard(String manufacturer, String model) {
        this.manufacturer = manufacturer;
        this.model = model;
    }

    public void getMotherboardInfo() {
        System.out.println("Manufacturer: " + this.manufacturer);
        System.out.println("Model: " + this.model);
    }
}
```

⇨ VGACard

```java
package CPU;
// inner class VGACard
public class VGACard {
    String manufacturer;
    String model;

    VGACard(String manufacturer, String model) {
        this.manufacturer = manufacturer;
        this.model = model;
    }

    public void getVGACardInfo() {
        System.out.println("Manufacturer: " + this.manufacturer);
        System.out.println("Model: " + this.model);
    }
}
```

⇨ Powersupply

```java
package CPU;
```

```java
// inner class PowerSuply

public class PowerSupply {
    String manufacturer;
    int power;

    PowerSupply(String manufacturer, int power) {
        this.manufacturer = manufacturer;
        this.power = power;
    }
    public void getPowerSupplyInfo() {
        System.out.println("Manufacturer: " + this.manufacturer);
        System.out.println("Power: " + this.power + " Watt");
    }
}
```

HASIL RUNNING