

**NAMA : IBNUL FAIM WAKHIDIAZ**  
**NIM : L200180030**  
**KELAS : B**

## **LAPORAN PRAKTIKUM PBO**

### **1. Local Variable**

```
public class LocalVariable {  
    public void hitungUsia() {  
        int umur = 0;  
        int tahunSekarang = 2019;  
        int tahunLahir = 1999;  
  
        umur = tahunSekarang-tahunLahir;  
        System.out.println("Usia saya : " + umur);  
    }  
    public void hitungBerat() {  
        int beratBadan = 0;  
        int beratLahir = 3;  
  
        beratBadan = beratLahir+(umur/2); //Umur merupakan local variable sehingga tidak bisa  
                                         //dipanggil karena hanya berada pada void hitungUsia()  
  
        System.out.println("Berat badan saya : " + beratBadan);  
    }  
    public static void main(String[] args){  
        LocalVariable local1 = new LocalVariable();  
        local1.hitungBerat();  
    }  
}
```

### **2. Instance Variable**

```
package modul3.pkg1;  
public class InstanceVariable {  
    int umur = 20;  
    void firstMethod(){  
        int umur = 0;  
        int tahunSekarang = 2019;  
        int tahunLahir = 2000;  
  
        umur = tahunSekarang-tahunLahir;  
        System.out.println("Usia saya : " + umur);  
    }  
    void secondMethod(){  
        int beratBadan = 0;  
        int beratLahir = 3;  
        int tahunSekarang = 2019;  
        int tahunLahir = 2000;  
  
        beratBadan = beratLahir+(umur/2);  
        System.out.println("Berat badan saya : " + beratBadan);  
    }  
    public static void main(String[] args){  
        InstanceVariable ins1 = new InstanceVariable();  
        ins1.firstMethod();  
        ins1.secondMethod();  
    }  
}
```

Hasil setelah dirun:

```
run:
Usia saya :19
Berat badan saya : 13
BUILD SUCCESSFUL (total time: 0 seconds)
```

### 3. Static Variable

```
package modul3.pkg1;
public class StaticVariable {
    public static char akreditasi;
    public static final String jurusan = "Informatika";

    void firstMethod() {
        System.out.println(jurusan);
    }
    void secondMethod() {
        System.out.println("Akreditasi :" + akreditasi);
    }
    public static void main(String[] args) {
        StaticVariable.akreditasi = 'B';
        StaticVariable sv = new StaticVariable();
        sv.firstMethod();
        sv.secondMethod();
    }
}
```

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```
run:
Informatika
Akreditasi :B
BUILD SUCCESSFUL (total time: 0 seconds)
```

#### 4. Method Non-Void

```
package modul3.pkg1;
public class NonVoidMethod {
    String nama;
    String nim;
    public String getNama(String name){
        nama = name;
        return nama;
    }
    public String getNIM(String nem){
        nim = nem;
        return nim;
    }
    public static void main(String[] args){
        NonVoidMethod nvm = new NonVoidMethod();
        nvm.getNama("Ibnul Faim Wakhidiaz");
        System.out.println(nvm.nama);
        nvm.getNIM("L200180030");
        System.out.println(nvm.nim);
    }
}
```

modul3.pkg1.NonVoidMethod > main >

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run:  
Ibnul Faim Wakhidiaz  
L200180030  
BUILD SUCCESSFUL (total time: 0 seconds)

#### 5. Parameter Method

```
package modul3.pkg1;
public class ParameterMethod {
    String nama;
    public String setNama(String nama){
        return this.nama = nama;
    }
    public static void main(String[] args){
        ParameterMethod pm = new ParameterMethod();
        pm.setNama("Diaz");
        System.out.println(pm.nama);
    }
}
```

Hasil :

run:  
Diaz  
BUILD SUCCESSFUL (total time: 0 seconds)

### LATIHAN 3

```
package modul3.pkg1;
public class Pegawai {
    String nama;
    String NIP;
    double gaji;
    public String setNama(String nama){
        return this.nama = nama; }
    public String setNIP(String NIP){
        return this.NIP = NIP;
    }
    public double setgaji(double gaji){
        return this.gaji= gaji;
    }
    public static void main(String[] args){
        Pegawai pg1 = new Pegawai();
        Pegawai pg2 = new Pegawai();
        Pegawai pg3 = new Pegawai();
        Pegawai pg4 = new Pegawai();
        Pegawai pg5 = new Pegawai();

        pg1.setNama("Diaz");
        System.out.println(pg1.nama);
        pg1.setNIP("12166");
        System.out.println(pg1.NIP);
        pg1.setgaji(15.5);
        System.out.println(pg1.gaji);

        pg2.setNama("Ibnul");
        System.out.println(pg2.nama);
        pg2.setNIP("12177");
        System.out.println(pg2.NIP);
        pg2.setgaji(20.5);
        System.out.println(pg2.gaji);

        pg3.setNama("Budi");
        System.out.println(pg3.nama);
        pg3.setNIP("12188");
        System.out.println(pg3.NIP);
        pg3.setgaji(25.5);
        System.out.println(pg3.gaji);

        pg4.setNama("Dimas");
        System.out.println(pg4.nama);
        pg4.setNIP("12199");
        System.out.println(pg4.NIP);
        pg4.setgaji(30.5);
        System.out.println(pg4.gaji);

        pg5.setNama("Bayu");
        System.out.println(pg5.nama);
        pg5.setNIP("1300");
        System.out.println(pg5.NIP);
        pg5.setgaji(32.5);
        System.out.println(pg5.gaji);
    }
}
```

Hasil setelah dirun :

```
run:
Diaz
12166
15.5
Ibnul
12177
20.5
Budi
12188
25.5
Dimas
12199
30.5
Bayu
1300
32.5
BUILD SUCCESSFUL (total time: 0 seconds)
```

## 6. Method Void

```
package modul3.pkg1;
public class MethodVoid {
    int hour,minute,second;

    public void duration(int hour,int minute,int second){
        this.hour = hour;
        this.minute = minute;
        this.second = second;
    }
    public void info(){
        System.out.println("Total waktu \n" + hour + "jam" + minute+"menit"+second+"detik");
    }
    public static void main(String[] args){
        MethodVoid mv = new MethodVoid();
        mv.duration(1,30,15);
        mv.info();
    }
}
```

Hasil :

```
run:
Total waktu
1jam30menit15detik
BUILD SUCCESSFUL (total time: 0 seconds)
```

## PEKERJAAN RUMAH

```
package modul3.pkg1;
public class Nilai {
    double nilaiUTS ;
    double nilaiUAS;
    double nilaiTugas;
    double nilaiTotal;

    public void tambah(double nilaiUTS,double nilaiUAS,double nilaiTugas){
        this.nilaiUTS = nilaiUTS;
        this.nilaiUAS = nilaiUAS;
        this.nilaiTugas = nilaiTugas;
    }
    public double nilaiTotal(){
        return nilaiTotal =(nilaiUTS+nilaiUAS+nilaiTugas)/3;
    }
    public void info(){
        System.out.println("Total nilai adalah : " + nilaiTotal);
    }
    public static void main(String[] args){
        Nilai nl = new Nilai();
        nl.tambah(70, 80.0, 85.5);
        nl.nilaiTotal();
        nl.info();
    }
}
```

Hasil :

```
run:
Total nilai adalah : 78.5
BUILD SUCCESSFUL (total time: 0 seconds)
```