

Pertemuan 5



KEYWORD
“THIS”

Keyword “This”

- Keyword this dipergunakan untuk menyatakan objek sekarang, biasanya dipergunakan untuk menghindari variabel dengan nama yang sama antara variabel class dengan variabel property.

Perbedaan Penggunaan Keyword “This” (Tanpa This)



```
class con_this {  
  
    String nama;  
    int npm;  
  
    void setMhs(int npm, String nama){  
        npm = npm;  
        nama = nama;  
    }  
  
    void tampil(){  
        System.out.println("NPM : " + npm);  
        System.out.println("Nama : " + nama);  
    }  
  
    public static void main(String[] args) {  
        con_this data = new con_this();  
  
        data.setMhs(2020, "Salman");  
        data.tampil();  
    }  
}
```

HASIL :

NPM : 0
Nama : null

Perbedaan Penggunaan Keyword “This” (Dengan This)



```
class con_this {  
  
    String nama;  
    int npm;  
  
    void setMhs(int npm, String nama) {  
        this.npm = npm;  
        this.nama = nama;  
    }  
  
    void tampil() {  
        System.out.println("NPM : " + npm);  
        System.out.println("Nama : " + nama);  
    }  
  
    public static void main(String[] args) {  
        con_this data = new con_this();  
  
        data.setMhs(2020, "Salman");  
        data.tampil();  
    }  
}
```

HASIL :

NPM : 2020
Nama : Salman

CONTOH (1) PENGGUNAAN Keyword “This”

```
class coba{
    double radius;

    void jari2(double radius){
        this.radius=radius;
    }
    double phi(){
        return 3.14;
    }
    double kel(){
        return 2*phi()*radius;
    }
    double luas(){
        return phi()*radius*radius;
    }
    void tampil(){
        System.out.println("Nilai Jari-jari : "+this.radius);
        System.out.println("Nilai Phi : "+this.phi());
        System.out.println("Nilai Keliling : "+this.kel());
        System.out.println("Nilai Luas : "+this.luas());
    }
}

public class kelling{
    public static void main(String[] args){
        coba cob=new coba();
        cob.jari2(50);
        cob.tampil();
    }
}
```

CONTOH (2) PENGGUNAAN Keyword “This”

```
import java.util.*;
import java.text.*;

class karyawan{
    public double gapok,totalgaji,tunjgol;
    public String nokaryawan,namakaryawan;
    char gol,A,B;
    double hitgaji(){
        if(gol=='A'){
            tunjgol=500000;
        }
        else if(gol=='B'){
            tunjgol=250000;
        }
        else{
            tunjgol=100000;
        }
        return totalgaji= (gapok+tunjgol);
    }

    void cetak(){
        DecimalFormat df=new DecimalFormat("##0,000");
        System.out.println("\n"+"=====-Detail Karyawan=-====");
        System.out.println("Nomor Karyawan : "+this.nokaryawan);
        System.out.println("Nama Karyawan : "+this.namakaryawan);
        System.out.println("Golongan : "+this.gol);
        System.out.println("Gaji Pokok : "+df.format(this.gapok));
        System.out.println("Total Gaji : "+df.format(this.hitgaji()));
    }
}
```

(....Lanjutan) CONTOH (2) PENGGUNAAN Keyword "This"

```
void cetak(){
    DecimalFormat df=new DecimalFormat("##0,000");
    System.out.println("\n"+"=====-Detail Karyawan=-=====");
    System.out.println("Nomor Karyawan : "+this.nokaryawan);
    System.out.println("Nama Karyawan : "+this.namakaryawan);
    System.out.println("Golongan : "+this.gol);
    System.out.println("Gaji Pokok : "+df.format(this.gapok));
    System.out.println("Total Gaji : "+df.format(this.hitgaji()));
    System.out.println("=====");
}
```

```
public class karya{
    public static void main(String[]args){
        Scanner x=new Scanner (System.in);
        karyawan kar=new karyawan();
        System.out.print("Nomor Karyawan : ");
        kar.nokaryawan=x.next();
        System.out.print("Nama Karyawan : ");
        kar.namakaryawan=x.next();
        System.out.print("Golongan : ");
        kar.gol=x.next().charAt(0);
        System.out.print("Gaji Pokok : ");
        kar.gapok=x.nextDouble();
        kar.cetak();
    }
}
```