

LAPORAN PRAKTIKUM 4
PEMROGRAMAN BERORIENTASI OBYEK



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1. Source Code :

```
6 package praktikum4;
7
8 /**
9  *
10  * @author Cinderella
11  */
12 public class Dosen extends Orng {
13     private int nip;
14     public Dosen(String nama){
15         this.nama=nama;
16     }
17     public Dosen(String nama, int nip){
18         this.nama=nama;
19         this.nip=nip;
20     }
21     public Dosen(String nama, int nip, int umur){
22         this.nama=nama;
23         this.umur=umur;
24         this.nip=nip;
25     }
26
27     public void info(){
28         System.out.println("Nama : " + nama);
29         System.out.println("NIP : " + nip);
30         System.out.println("Umur : " + umur);
31     }
32 }
```

```
6 package praktikum4;
7
8 /**
9  *
10  * @author Cinderella
11  */
12 @
13 public class Orng {
14     protected String nama;
15     protected int umur;
16
17     public void Orang (String nama){
18         this.nama=nama;
19     }
20     public void Orang (String nama, int umur){
21         this.nama=nama;
22         this.umur=umur;
23     }
24 }
```

```
6 package praktikum4;
7
8 /**
9  *
10  * @author Cinderella
11  */
12 public class Main {
13     public static void main(String[] args) {
14         System.out.println("Memasukkan Identitas Dosen 1 : Budi");
15         Dosen dosen1 = new Dosen("Budi");
16
17         System.out.println("Memasukkan Identitas Dosen 2 : Sadi, NIP. 1093");
18         Dosen dosen2 = new Dosen("Sadi", 1093);
19
20         System.out.println("Memasukkan Identitas Dosen 3 : Joko, NIP. 1923, umur 30");
21         Dosen dosen3 = new Dosen("Joko", 1923, 30);
22
23         System.out.println();
24         dosen1.info();
25         System.out.println();
26         dosen2.info();
27         System.out.println();
28         dosen3.info();
29     }
30 }
```

Output :

```
run:
Memasukkan Identitas Dosen 1 : Budi
Memasukkan Identitas Dosen 2 : Sadi, NIP. 1093
Memasukkan Identitas Dosen 3 : Joko, NIP. 1923, umur 30

Nama : Budi
NIP : 0
Umur : 0

Nama : Sadi
NIP : 1093
Umur : 0

Nama : Joko
NIP : 1923
Umur : 30
BUILD SUCCESSFUL (total time: 0 seconds)
```

2. Source Code :

```
6 package prak4;
7
8 /**
9  *
10  * @author Cinderella
11  */
12 public class RerataNilai {
13     public int average(int a, int b){
14         return (a+b)/2;
15     }
16     public double average(double a, double b){
17         return (a+b)/2;
18     }
19     public int average(int a, int b, int c){
20         return (a+b+c)/3;
21     }
22 }
```

```
6 package prak4;
7
8 /**
9  *
10  * @author Cinderella
11  */
12 public class Main {
13     public static void main(String[] args) {
14         RerataNilai rn = new RerataNilai();
15         System.out.println("Rerata nilai 18 dan 12 adalah : "+rn.average(18, 12));
16         System.out.println("Rerata nilai 20.4 dan 10.5 adalah : "+rn.average(20.4, 10.5));
17         System.out.println("Rerata nilai 109, 342 dan 197 adalah : "+rn.average(109, 342, 197));
18     }
19 }
```

Output :

```
RUN:
Rerata nilai 18 dan 12 adalah : 15
Rerata nilai 20.4 dan 10.5 adalah : 15.45
Rerata nilai 109, 342 dan 197 adalah : 216
BUILD SUCCESSFUL (total time: 0 seconds)
```

3. Source Code :

```
6 package katak;
7
8 /**
9  *
10  * @author Cinderella
11  */
12 public class Kecebong extends Katak {
13     double panjangEkor;
14     public Kecebong(int umur, String nama, double panjangEkor){
15         super(umur,nama);
16         this.panjangEkor=panjangEkor;
17     }
18 }
```

```
6 package katak;
7
8 /**
9  *
10  * @author Cinderella
11  */
12 @
13 public class Katak {
14     int umur;
15     String nama;
16     public Katak(int umur, String nama){
17         this.umur=umur;
18         this.nama=nama;
19     }
20     public String caraBergerak(){
21         if(umur>2){
22             return "melompat";
23         }
24         else{
25             return "berenang";
26         }
27     }
28 }
```

```
6 package katak;
7
8 /**
9  *
10  * @author Cinderella
11  */
12 public class Main {
13     public static void main(String[] args) {
14         Katak O1 = new Katak(4,"Joni");
15         Kecebong O2 = new Kecebong(1,"Jojon",8);
16         System.out.println("Obyek O1");
17         System.out.println("Umur : "+O1.umur);
18         System.out.println("Nama : "+O1.nama);
19         System.out.println("Cara bergerak : "+O1.caraBergerak());
20         System.out.println();
21         System.out.println("Obyek O2");
22         System.out.println("Umur : "+O2.umur);
23         System.out.println("Nama : "+O2.nama);
24         System.out.println("Panjang ekor : "+O2.panjangEkor);
25         System.out.println("Cara bergerak : "+O2.caraBergerak());
26     }
27 }
```

Output :

```
run:
Obyek O1
Umur : 4
Nama : Joni
Cara bergerak : melompat

Obyek O2
Umur : 1
Nama : Jojon
Panjang ekor : 8.0
Cara bergerak : berenang
BUILD SUCCESSFUL (total time: 0 seconds)
```