

Tugas Prak Pemrograman Berorientasi Objek

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Disusun Untuk Memenuhi Tugas

Mata Kuliah : PBO - A

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Disusun oleh :

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Fakultas = Teknik Informatika

UNIVERSITAS PANCASILA

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Laporan Tugas Praktikum PBO Kelas A

Tugas Praktikum No. 1 (Satu)

```
1  class program1{
2
3      public static void main(String[] args){
4
5          System.out.println("-----");
6          System.out.println("Nama: Fiky Ari Wijaya");
7          System.out.println("NPM: 4520210095");
8          System.out.println("Program: Program Operasi Bilangan");
9          System.out.println("Update: 28 September 2021");
10         System.out.println("-----");
11         System.out.println("");
12
13         int x, a;
14         for (x=1; x<5; x++){
15             a = x*2;
16             System.out.println("Hasil Nilai Adalah : " +a );
17         }
18     }
19 }
```

Running Program :

```
C:\Users\fikya\Documents\java\Tugas Prak PBO\Tugas>java program1.java
-----
Nama: Fiky Ari Wijaya
NPM: 4520210095
Program: Program Operasi Bilangan
Update: 28 September 2021
-----

Hasil Nilai Adalah : 2
Hasil Nilai Adalah : 4
Hasil Nilai Adalah : 6
Hasil Nilai Adalah : 8
```

Tugas Praktikum 2 (Dua) :

```
1  import java.util.Scanner;
2
3  class program2 {
4      static int penjumlahan(int bil_1, int bil_2){
5          return bil_1 + bil_2;
6      }
7      static int pengurangan(int bil_1, int bil_2){
8          return bil_1 - bil_2;
9      }
10     static int perkalian(int bil_1, int bil_2){
11         return bil_1 * bil_2;
12     }
13     static int pembagian(int bil_1, int bil_2){
14         return bil_1 / bil_2;
15     }
16     static int modulus(int bil_1, int bil_2){
17         return bil_1 % bil_2;
18     }
19
20     public static void main (String[] args) {
21         System.out.println("-----");
22         System.out.println("Nama: Fiky Ari Wijaya");
23         System.out.println("NPM: 4520210095");
24         System.out.println("Program: Program Operasi Bilangan");
25         System.out.println("Update: 28 September 2021");
26         System.out.println("-----");
27         System.out.println("");
28
29         Scanner Input = new Scanner(System.in);
30
31         int data1, data2;
32
33         System.out.println("-----");
34         System.out.println("Operasi Penjumlahan");
35         System.out.println("-----");
36         System.out.print(">> Masukkan Nilai ke 1 (satu) : ");
37         data1 = Input.nextInt();
38         System.out.print(">> Masukkan Nilai ke 2 (Dua) : ");
39         data2 = Input.nextInt();
40         System.out.println("");
41         System.out.println("Hasil Operasi = "+data1+" + "+data2+" = " + penjumlahan(data1,data2));
42         System.out.println("-----");
43
44     }
```

```

44
45     System.out.println("");
46     System.out.println("-----");
47     System.out.println("Operasi Pengurangan");
48     System.out.println("-----");
49     System.out.print(">> Masukkan Nilai ke 1 (satu) : ");
50     data1 = Input.nextInt();
51     System.out.print(">> Masukkan Nilai ke 2 (Dua) : ");
52     data2 = Input.nextInt();
53     System.out.println("");
54     System.out.println("Hasil Operasi = "+data1+" - "+data2+" = " + pengurangan(data1,data2));
55     System.out.println("-----");
56
57     System.out.println("");
58     System.out.println("-----");
59     System.out.println("Operasi Perkali");
60     System.out.println("-----");
61     System.out.print(">> Masukkan Nilai ke 1 (satu) : ");
62     data1 = Input.nextInt();
63     System.out.print(">> Masukkan Nilai ke 2 (Dua) : ");
64     data2 = Input.nextInt();
65     System.out.println("");
66     System.out.println("Hasil Operasi = "+data1+" x "+data2+" = " + perkalian(data1,data2));
67     System.out.println("-----");
68
69     System.out.println("");
70     System.out.println("-----");
71     System.out.println("Operasi Pembagian");
72     System.out.println("-----");
73     System.out.print(">> Masukkan Nilai ke 1 (satu) : ");
74     data1 = Input.nextInt();
75     System.out.print(">> Masukkan Nilai ke 2 (Dua) : ");
76     data2 = Input.nextInt();
77     System.out.println("");
78     System.out.println("Hasil Operasi = "+data1+" : "+data2+" = " + pembagian(data1,data2));
79     System.out.println("-----");
80
81     System.out.println("");
82     System.out.println("-----");
83     System.out.println("Operasi Modulus");
84     System.out.println("-----");
85     System.out.print(">> Masukkan Nilai ke 1 (satu) : ");
86     data1 = Input.nextInt();
87     System.out.print(">> Masukkan Nilai ke 2 (Dua) : ");
88     data2 = Input.nextInt();
89     System.out.println("");
90     System.out.println("Hasil Operasi = "+data1+" bagi "+data2+" Sisa " + " = " + modulus(data1,data2));
91     System.out.println("-----");
92
93 }
94 }

```

Running Program :

Operasi Penjumlahan

>> Masukkan Nilai ke 1 (satu) : 2
>> MASukan Nilai ke 2 (Dua) : 3

Hasil Operasi = 2 + 3 = 5

Operasi Pengurangan

>> Masukkan Nilai ke 1 (satu) : 20
>> MASukan Nilai ke 2 (Dua) : 3

Hasil Operasi = 20 - 3 = 17

Operasi Perkali

>> Masukkan Nilai ke 1 (satu) : 3
>> MASukan Nilai ke 2 (Dua) : 5

Hasil Operasi = 3 x 5 = 15

Operasi Pembagian

>> Masukkan Nilai ke 1 (satu) : 21
>> MASukan Nilai ke 2 (Dua) : 3

Hasil Operasi = 21 : 3 = 7

Operasi Modulus

>> Masukkan Nilai ke 1 (satu) : 20
>> MASukan Nilai ke 2 (Dua) : 3

Hasil Operasi = 20 bagi 3 Sisa = 2

C:\Users\fikya\Documents\java\Tugas Prak PBO\Tugas>java program2.java

Nama: Fiky Ari Wijaya
NPM: 4520210095
Program: Program Operasi Bilangan
Update: 28 September 2021

Operasi Penjumlahan

>> Masukkan Nilai ke 1 (satu) : _

Source Code Tugas 3 :

```
1  import java.util.Scanner;
2
3  public class program3 {
4
5      static int luas(int x1, int x2)
6      {
7          return x1*x2;
8      }
9      static int keliling(int x1, int x2)
10     {
11         return 2*x1 + 2*x2;
12     }
13     public static void main(String[] args) {
14         Scanner input=new Scanner(System.in);
15
16         int panjang, lebar;
17
18         System.out.println("-----");
19         System.out.println("Nama: Fiky Ari Wijaya");
20         System.out.println("NPM: 4520210095");
21         System.out.println("Program: Program Bangun Datar");
22         System.out.println("Update: 28 September 2021");
23         System.out.println("-----");
24         System.out.println("");
25
26         System.out.println("-----");
27         System.out.println("Pengoprasian Bangun Datar Persegi Panjang");
28         System.out.println("-----");
29         System.out.println("");
30
31         System.out.print(">> Masukan Panjang      : ");
32         panjang=input.nextInt();
33         System.out.print(">> Masukan Lebar        : ");
34         lebar=input.nextInt();
35         System.out.println("");
36
37         System.out.println("Luas Persegi Panjang      : "+luas(panjang,lebar));
38         System.out.println("Keliling Persegi Panjang : " + keliling(panjang,lebar));
39         System.out.println("-----");
40     }
41 }
```

Running Program :

```
C:\Users\fikya\Documents\java\Tugas Prak PBO\Tugas>java program3.java
-----
Nama: Fiky Ari Wijaya
NPM: 4520210095
Program: Program Bangun Datar
Update: 28 September 2021
-----

-----
Pengoprasian Bangun Datar Persegi Panjang
-----

>> Masukan Panjang      : _
```

```
C:\Users\fikya\Documents\java\Tugas Prak PBO\Tugas>java program3.java
```

```
-----  
Nama: Fiky Ari Wijaya
```

```
NPM: 4520210095
```

```
Program: Program Bangun Datar
```

```
Update: 28 September 2021  
-----
```

```
-----  
Pengoprasian Bangun Datar Persegi Panjang  
-----
```

```
>> Masukan Panjang      : 5
```

```
>> Masukan Lebar        : 3
```

```
Luas Persegi Panjang    : 15
```

```
Keliling Persegi Panjang : 16  
-----
```