

TUGAS PEMROGRAMAN BERORIENTASI OBJEK
INHERITANCE

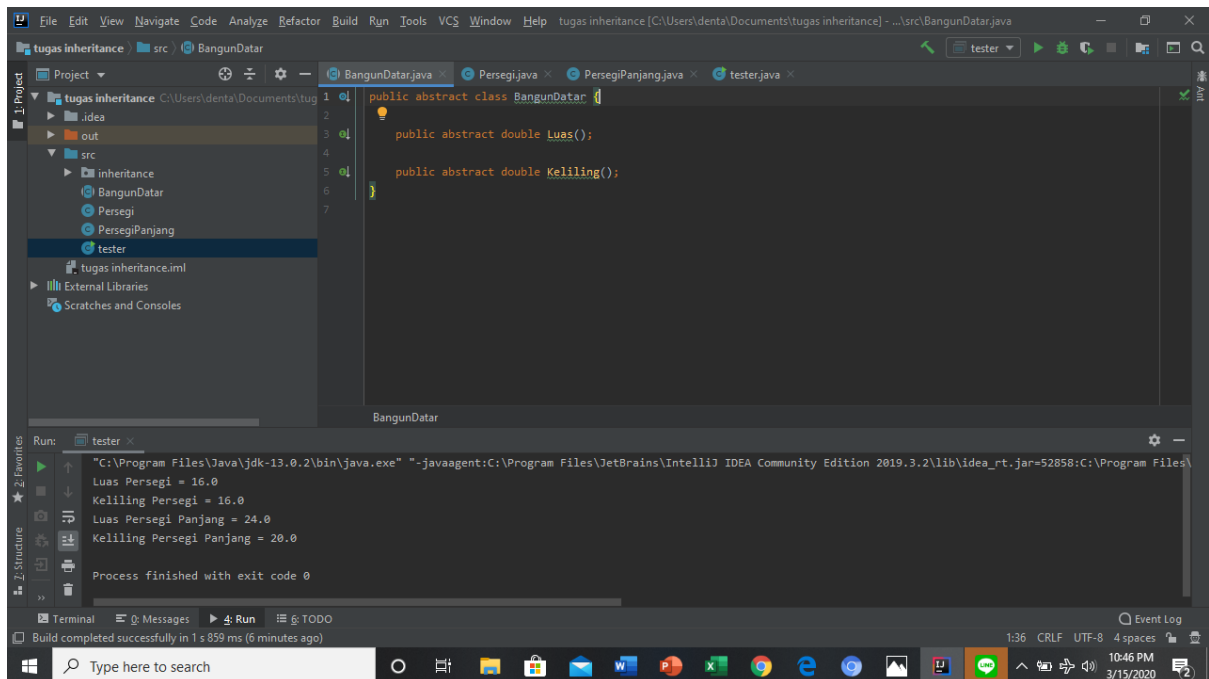


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TEKNOLOGI INFORMASI
FAKULTAS TEKNIK
UNIVERSITAS UDAYANA
2019/2020

1. BangunDatar Class (Super Class)



```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help tugas inheritance [C:\Users\dental\Documents\tugas inheritance] - ...src\BangunDatar.java
```

```
Project tugas inheritance C:\Users\dental\Documents\tugas inheritance
  |__ idea
  |__ out
  |__ src
    |__ inheritance
      |__ BangunDatar
      |__ Persegi
      |__ PersegiPanjang
      |__ tester
    |__ tugas inheritance.iml
  |__ External Libraries
  |__ Scratches and Consoles
```

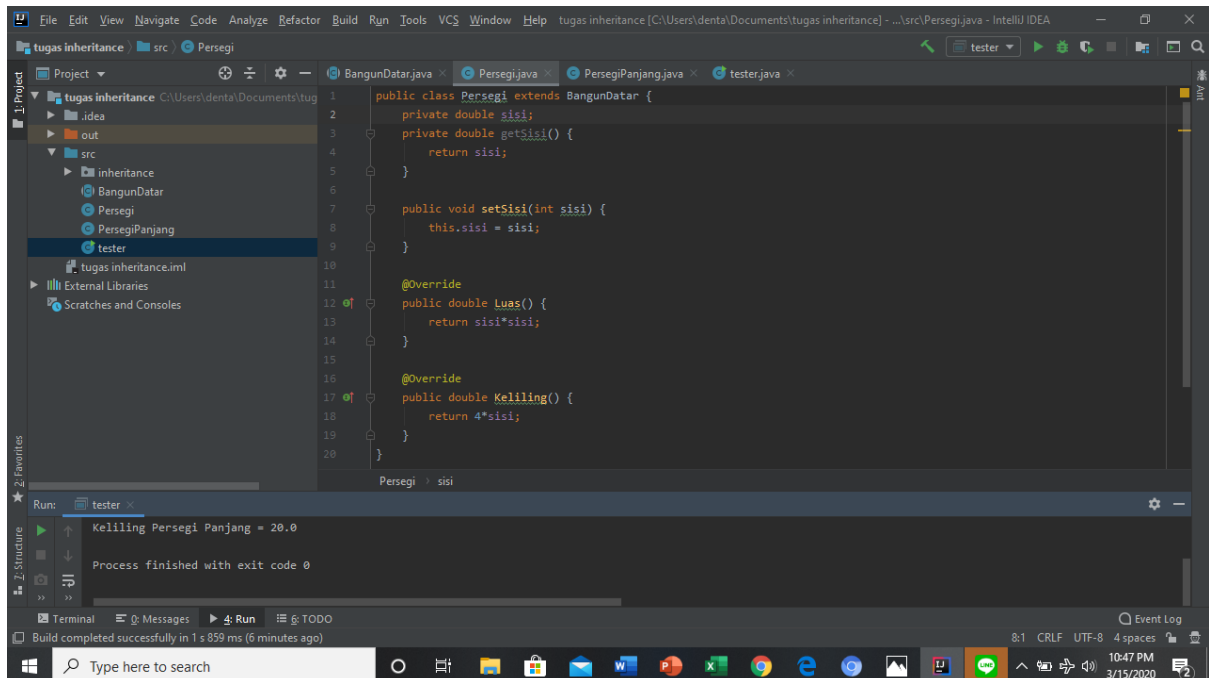
```
1 public abstract class BangunDatar {
2
3     public abstract double Luas();
4
5     public abstract double Keliling();
6
7 }
```

```
Run: tester
"C:\Program Files\Java\jdk-13.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2019.3.2\lib\idea_rt.jar=52858:C:\Program Files\
Luas Persegi = 16.0
Keliling Persegi = 16.0
Luas Persegi Panjang = 24.0
Keliling Persegi Panjang = 20.0
Process finished with exit code 0
```

```
Terminal Messages Run TODO
Build completed successfully in 1 s 859 ms (6 minutes ago)
```

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2. Persegi Class (Sub Class)



```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help tugas inheritance [C:\Users\dental\Documents\tugas inheritance] - ...src\Persegi.java - IntelliJ IDEA
```

```
Project tugas inheritance C:\Users\dental\Documents\tugas inheritance
  |__ idea
  |__ out
  |__ src
    |__ inheritance
      |__ BangunDatar
      |__ Persegi
      |__ PersegiPanjang
      |__ tester
    |__ tugas inheritance.iml
  |__ External Libraries
  |__ Scratches and Consoles
```

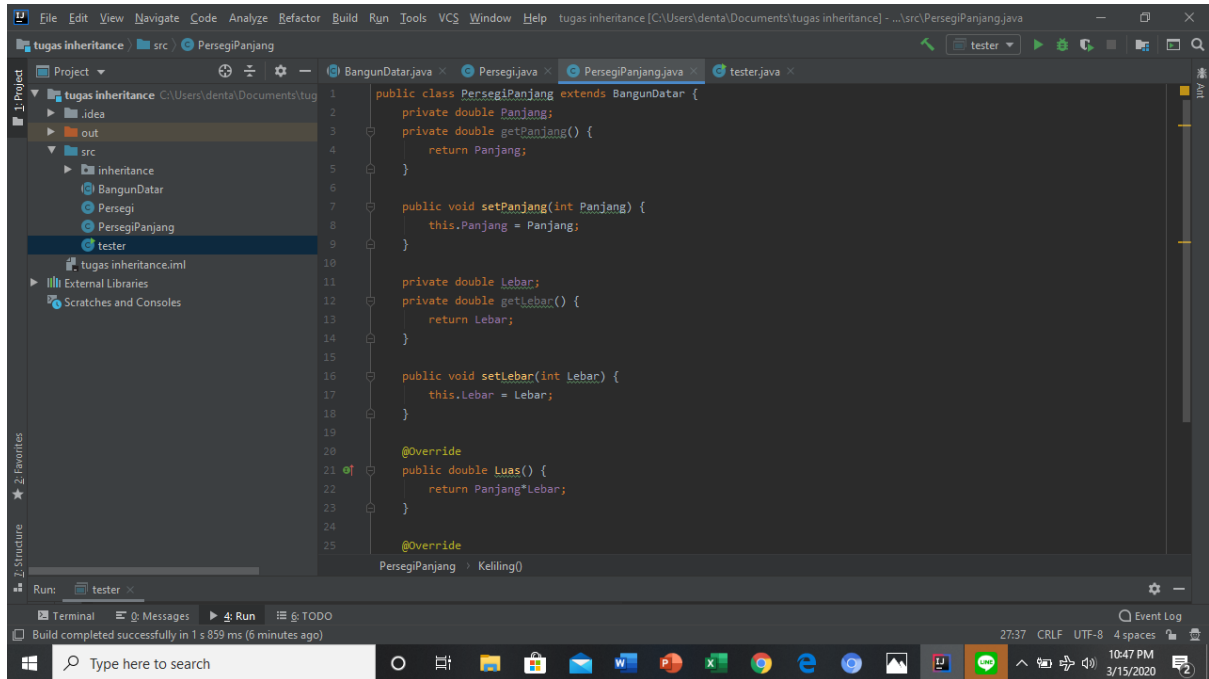
```
1 public class Persegi extends BangunDatar {
2     private double sisi;
3     private double getSisi() {
4         return sisi;
5     }
6
7     public void setSisi(int sisi) {
8         this.sisi = sisi;
9     }
10
11     @Override
12     public double Luas() {
13         return sisi*sisi;
14     }
15
16     @Override
17     public double Keliling() {
18         return 4*sisi;
19     }
20 }
```

```
Run: tester
Keliling Persegi Panjang = 20.0
Process finished with exit code 0
```

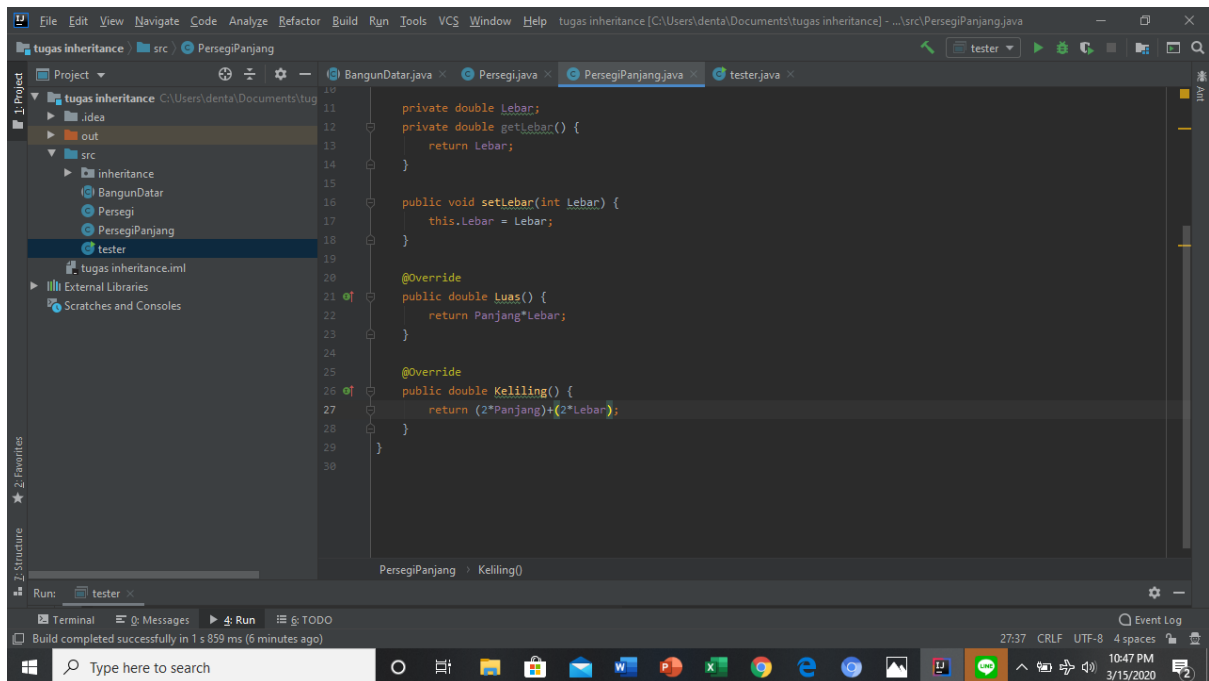
```
Terminal Messages Run TODO
Build completed successfully in 1 s 859 ms (6 minutes ago)
```

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3. PersegiPanjang Class (Sub Class)

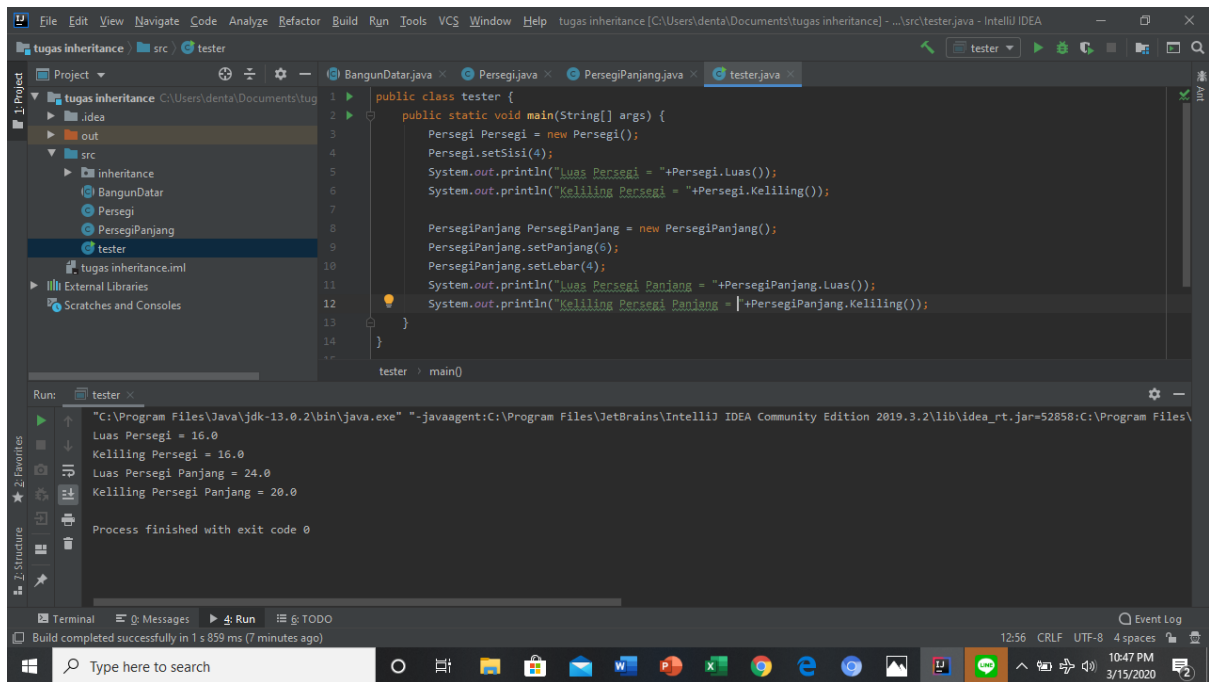


```
1 public class PersegiPanjang extends BangunDatar {
2     private double Panjang;
3     private double getPanjang() {
4         return Panjang;
5     }
6
7     public void setPanjang(int Panjang) {
8         this.Panjang = Panjang;
9     }
10
11     private double Lebar;
12     private double getLebar() {
13         return Lebar;
14     }
15
16     public void setLebar(int Lebar) {
17         this.Lebar = Lebar;
18     }
19
20     @Override
21     public double Luas() {
22         return Panjang*Lebar;
23     }
24
25     @Override
26     public double Keliling() {
27         return 2*Panjang+2*Lebar;
28     }
29 }
```

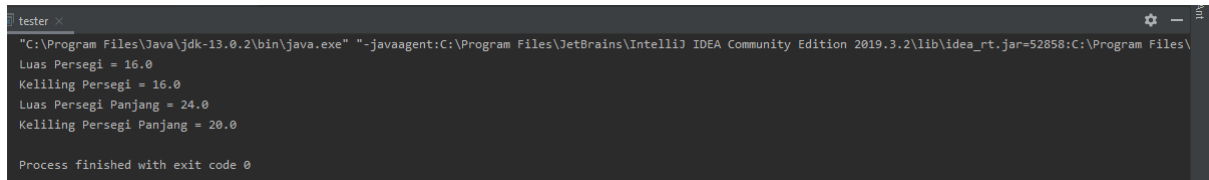


```
10 private double Lebar;
11 private double getLebar() {
12     return Lebar;
13 }
14
15 public void setLebar(int Lebar) {
16     this.Lebar = Lebar;
17 }
18
19 @Override
20 public double Luas() {
21     return Panjang*Lebar;
22 }
23
24 @Override
25 public double Keliling() {
26     return 2*Panjang+2*Lebar;
27 }
28
29 }
```

4. Tester Class



5. Hasil Run



6. Link GitHub : <https://github.com/dentavoga123/Tugas-OOP>