

Tugas Inheritance Pertemuan 10

Pemrograman Berorientasi Objek

Nama : Muhammad Faris Fathur Rohman

NRP : 223040126

Kelas : B

Link Github : https://github.com/Riss27/PBO_223040126.git

Latihan 1

```
1 package Pertemuan10.Latihan1;
2
3 Codeium: Refactor | Explain
4 public class Orang
5 {
6     protected String nama;
7
8     Codeium: Refactor | Explain | Generate Javadoc
9     public void setNama(String nama)
10    {
11        this.nama = nama;
12    }
13
14    Codeium: Refactor | Explain | Generate Javadoc
15    public String getNama()
16    {
17        return nama;
18    }
19 }
```

```
1 package Pertemuan10.Latihan1;
2
3 Codeium: Refactor | Explain
4 public class Mahasiswa extends Orang
5 {
6 }
```

```
1 package Pertemuan10.Latihan1;
2
Codeium: Refactor | Explain
3 public class InheritanceMain
4 {
Run | Debug | Codeium: Refactor | Explain | Generate Javadoc
5
6 public static void main(String[] args)
7 {
8     Mahasiswa mhs = new Mahasiswa();
9     mhs.setNama(nama: "Ade Sukendar");
10    System.out.println(mhs.getNama());
11 }
```

Output

```
Ade Sukendar
```

Latihan 2

```
1 package Pertemuan10.Latihan2;
2
Codeium: Refactor | Explain
3 public class Orang {
4     protected String nama;
5     protected String alamat;
6
7     public Orang() {
8         nama = "Ade Sukendar";
9         alamat = "Bandung";
10    }
11
Codeium: Refactor | Explain | Generate Java
12 public String getNama() {
13     return nama;
14 }
15
Codeium: Refactor | Explain | Generate Java
16 public String getAlamat() {
17     return alamat;
18 }
19 }

1 package Pertemuan10.Latihan2;
2
Codeium: Refactor | Explain
3 public class Mahasiswa extends Orang
4 {
5
6 }

1 package Pertemuan10.Latihan2;
2
Codeium: Refactor | Explain
3 public class InheritanceMain {
4     public static void main(String[] args) {
5
6         Mahasiswa mhs = new Mahasiswa();
7         System.out.println(mhs.getNama() + "-" + mhs.getAlamat());
8     }
9 }
```

Output

```
Ade Sukendar-Bandung
```

Latihan 3

```
1 package Pertemuan10.Latihan3;
2
3 public class Orang
4 {
5     protected String nama;
6     protected String alamat;
7
8     public Orang(String nama, String alamat)
9     {
10         this.nama = nama;
11         this.alamat = alamat;
12     }
13
14     public String getNama()
15     {
16         return nama;
17     }
18
19     public String getAlamat()
20     {
21         return alamat;
22     }
23 }
```

```
1 package Pertemuan10.Latihan3;
2
3 public class Mahasiswa extends Orang
4 {
5     public Mahasiswa(String nama, String alamat)
6     {
7         super(nama, alamat);
8     }
9 }
```

```
1 package Pertemuan10.Latihan3;
2
3 public class InheritanceMain
4 {
5     public static void main(String[] args)
6     {
7         Mahasiswa mhs = new Mahasiswa("Ade Sukendar", "Bandung");
8         System.out.println(mhs.getNama() + "-" + mhs.getAlamat());
9     }
10 }
```

Output :

```
Ade Sukendar-Bandung
```

Latihan 4

```
1 package Pertemuan10.Latihan4;
2
3 public class Orang
4 {
5     protected String nama;
6     protected String alamat;
7
8     public Orang(String nama, String alamat)
9     {
10         this.nama = nama;
11         this.alamat = alamat;
12     }
13
14     public String getNama()
15     {
16         return nama;
17     }
18
19     public String getAlamat()
20     {
21         return alamat;
22     }
23 }
```

```
1 package Pertemuan10.Latihan4;
2
3 public class Mahasiswa extends Orang
4 {
5     private String nrp;
6     public Mahasiswa(String nama, String alamat, String nrp)
7     {
8         super(nama, alamat);
9         setNRP(nrp);
10    }
11
12    public String getNrp()
13    {
14        return nrp;
15    }
16
17    public void setNRP(String nrp)
18    {
19        this.nrp = nrp;
20    }
21 }
```

```
1 package Pertemuan10.Latihan4;
2
3 public class InheritanceMain
4 {
5     public static void main(String[] args) {
6
7         Mahasiswa mhs = new Mahasiswa("1001", "Ade Sukendar", "Bandung");
8         System.out.println(mhs.getNrp()+
9             "-" + mhs.getNama()+
10             "-" + mhs.getAlamat());
11     }
12 }
```

Output :

```
Bandung-1001-Ade Sukendar
```

Tugas

```
1 package Pertemuan10.Tugas;
2
3 ✓ public class Motor extends Kendaraan
4 {
5     private String platNomor;
6
7     public Motor(String merk, String warna, String platNomor) {
8         super(merk, warna);
9         this.platNomor = platNomor;
10    }
11
12    public String getPlatNomor() {
13        return platNomor;
14    }
15
16    public void setPlatNomor(String platNomor) {
17        this.platNomor = platNomor;
18    }
19 }
```

```
1 package Pertemuan10.Tugas;
2
3 ✓ public class Kendaraan
4 {
5     protected String merk;
6     protected String warna;
7
8     public Kendaraan(String merk, String warna) {
9         this.merk = merk;
10        this.warna = warna;
11    }
12
13    public String getMerk() {
14        return merk;
15    }
16
17    public String getWarna() {
18        return warna;
19    }
20 }
```

```
1 package Pertemuan10.Tugas;
2
3 ✓ public class InheritanceMain {
4 ✓     public static void main(String[] args) {
5         Motor motor = new Motor("Honda", "Merah", "B 1234 ABC");
6         System.out.println("Plat Nomor: " + motor.getPlatNomor());
7         System.out.println("Merk: " + motor.getMerk());
8         System.out.println("Warna: " + motor.getWarna());
9     }
10 }
```

Output :

```
Plat Nomor: B 1234 ABC
Merk: Honda
Warna: Merah
```

Diagram :

