

Tugas Pemrograman Berorientasi Objek
Praktikum 3 (Inheritance)



Disusun oleh :
Muhammad Yuda Pratama (21091397025)

Program Studi D4 Manajemen Informatika
Fakultas Vokasi
Universitas Negeri Surabaya
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1. Source Code Perbankan :

```
1 package Perbankan;
2
3 /**
4  *
5  * @author YudaPratam
6  */
7
8 public class Tabungan {
9     public int tingkatBunga;
10    public int saldo;
11 }
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
```

Start Page x Tabungan.java x MainPerbankan.java x PengambilanUang.java x Mobil.java x

Source History

```
1 package Perbankan;
2
3 public class PengambilanUang extends Tabungan{
4     public int proteksi;
5     public PengambilanUang(int saldo){
6         this.saldo=saldo;
7     }
8     public PengambilanUang(int saldo, int tingkatBunga){
9         this.saldo=saldo;
10        this.tingkatBunga=tingkatBunga;
11    }
12    public int getSaldo(){
13        return saldo;
14    }
15    public boolean ambilUang(int jumlah){
16        if (jumlah < saldo)
17            return false;
18        else jumlah = saldo - jumlah;
19        return true;
20    }
21    public boolean ambil(int jumlah){
22        if (jumlah > saldo)
23            return false;
24        else saldo = saldo - jumlah;
25        return true;
26    }
27 }
```

```

1  package Perbankan;
2
3  /**
4   *
5   * @author YudaPratam
6   */
7  public class MainPerbankan {
8
9      /**
10       * @param args the command line arguments
11       */
12     public static void main(String[] args) {
13         PengambilanUang tabungan = new
14         PengambilanUang(5000,1000);
15         System.out.println("Uang yang ditabung : 5000");
16         System.out.println("Uang yang diproteksi : 1000");
17         System.out.println("-----");
18         System.out.println("Uang yang akan diambil : 4500 " + tabungan.ambilUang(4500));
19         System.out.println("Saldo sekarang : " + tabungan.getSaldo());
20         System.out.println("-----");
21         System.out.println("Uang yang akan diambil : 2500 " + tabungan.ambil(2500));
22         System.out.println("Saldo sekarang : " + tabungan.getSaldo());
23     }
24
25 }

```

Output :

```

Output - Praktikum3 (run) x
run:
Uang yang ditabung : 5000
Uang yang diproteksi : 1000
-----
Uang yang akan diambil : 4500 false
Saldo sekarang : 5000
-----
Uang yang akan diambil : 2500 true
Saldo sekarang : 2500
BUILD SUCCESSFUL (total time: 0 seconds)

```

2. Source Code Kendaraan

```
1  <?php
2
3  // Kendaraan
4  class Kendaraan {
5      protected $jmlRoda, $warna;
6      function setjmlRoda($jmlRoda){
7          $this->jmlRoda = $jmlRoda;
8      }
9      public function getjmlRoda(){
10         return $this->jmlRoda;
11     }
12     public function setWarna($warna){
13         $this->warna = $warna;
14     }
15     public function getWarna(){
16         return $this->warna;
17     }
18 }
```

```
20 // Mobil (Kendaraan)
21 class Mobil extends Kendaraan{
22     protected $bahanBakar, $kapasitasMesin;
23     public function setBahanBakar($bahanBakar){
24         $this->bahanBakar = $bahanBakar;
25     }
26     public function getBahanBakar(){
27         return $this->bahanBakar;
28     }
29     public function setKapasitasMesin($kapasitasMesin){
30         $this->kapasitasMesin = $kapasitasMesin;
31     }
32     public function getKapasitasMesin(){
33         return $this->kapasitasMesin;
34     }
35 }
```

```
37 // Sepeda (Kendaraan)
38 class Sepeda extends Kendaraan{
39     protected $jmlSadel, $jmlGir;
40     public function setJmlSadel($jmlSadel){
41         $this->jmlSadel = $jmlSadel;
42     }
43     public function getJmlSadel(){
44         return $this->jmlSadel;
45     }
46     public function setJmlGir($jmlGir){
47         $this->jmlGir = $jmlGir;
48     }
49     public function getJmlGir(){
50         return $this->jmlGir;
51     }
52 }
53
54 // Truk (Mobil)
55 class Truk extends Mobil{
56     private $muatanMaks;
57     public function setMuatanMaks($muatanMaks){
58         $this->muatanMaks = $muatanMaks;
59     }
60     public function getMuatanMaks(){
61         return $this->muatanMaks;
62     }
63 }
```

```
65 // Taksi (Mobil)
66 class Taksi extends Mobil{
67     private $tarifAwal, $tarifperKm;
68     public function setTarifAwal($tarifAwal){
69         $this->tarifAwal = $tarifAwal;
70     }
71     public function getTarifAwal(){
72         return $this->tarifAwal;
73     }
74     public function setTarifPerKm($tarifperKm){
75         $this->tarifperKm = $tarifperKm;
76     }
77     public function getTarifPerKm(){
78         return $this->tarifperKm;
79     }
80 }
81
82 $truk1 = new Truk;
83 $truk1->setjmlRoda(4);
84 $truk1->setWarna('Kuning');
85 $truk1->setBahanBakar('Solar');
86 $truk1->setKapasitasMesin(1500);
87 $truk1->setMuatanMaks(1000);
88
89 $truk2 = new Truk;
90 $truk2->setjmlRoda(6);
91 $truk2->setWarna('Merah');
92 $truk2->setBahanBakar('Solar');
93 $truk2->setKapasitasMesin(2000);
94 $truk2->setMuatanMaks(5000);
```

```
96  $taksi1 = new Taksi;
97  $taksi1->setJmlRoda(4);
98  $taksi1->setWarna('Oranye');
99  $taksi1->setBahanBakar('Bensin');
100 $taksi1->setKapasitasMesin(1500);
101 $taksi1->setTarifAwal(10000);
102 $taksi1->setTarifPerKm(5000);
103
104 $taksi2 = new Taksi;
105 $taksi2->setJmlRoda(4);
106 $taksi2->setWarna('Biru');
107 $taksi2->setBahanBakar('Bensin');
108 $taksi2->setKapasitasMesin(1300);
109 $taksi2->setTarifAwal(7000);
110 $taksi2->setTarifPerKm(3500);
111
112 $sepeda1 = new Sepeda;
113 $sepeda1->setJmlRoda(3);
114 $sepeda1->setWarna('Hitam');
115 $sepeda1->setJmlSadel(1);
116 $sepeda1->setJmlGir(2);
117
118 $sepeda2 = new Sepeda;
119 $sepeda2->setJmlRoda(2);
120 $sepeda2->setWarna('Putih');
121 $sepeda2->setJmlSadel(2);
122 $sepeda2->setJmlGir(5);
123
124 ?>
```

3. Tes

```

1  <?php
2      require_once 'class_kendaraan.php';
3  ?>
4
5  <html align="center">
6      <title>Tabel Data Obyek</title>
7
8      <h4>Praktikum 3</h4>
9      <h2>Tabel Data Obyek</h2>
10
11     <table align= "center" border="1" style="border-collapse: collapse;"
12         width="75%" height="41%">
13         <tr bgcolor="pink">
14             <th>Obyek</th>
15             <th>Jumlah Roda</th>
16             <th>Warna</th>
17             <th>Bahan bakar</th>
18             <th>Kapasitas Mesin</th>
19             <th>Muatan Maks</th>
20             <th>Tarif Awal</th>
21             <th>Tarif Per Km</th>
22             <th>Jumlah Sadel</th>
23             <th>Jumlah Gir</th>
24         </tr>

```



```
26     <tr align="center">
27         <td>Truk1</td>
28         <td><?= $truk1->getjmlRoda(); ?></td>
29         <td><?= $truk1->getWarna(); ?></td>
30         <td><?= $truk1->getBahanBakar(); ?></td>
31         <td><?= $truk1->getKapasitasMesin(); ?></td>
32         <td><?= $truk1->getMuatanMaks(); ?></td>
33         <td>-</td>
34         <td>-</td>
35         <td>-</td>
36         <td>-</td>
37     </tr>
38
39     <tr align="center">
40         <td>Truk2</td>
41         <td><?= $truk2->getjmlRoda(); ?></td>
42         <td><?= $truk2->getWarna(); ?></td>
43         <td><?= $truk2->getBahanBakar(); ?></td>
44         <td><?= $truk2->getKapasitasMesin(); ?></td>
45         <td><?= $truk2->getMuatanMaks(); ?></td>
46         <td>-</td>
47         <td>-</td>
48         <td>-</td>
49         <td>-</td>
50     </tr>
```

```
52     <tr align="center">
53         <td>Taksi1</td>
54         <td><?= $taksi1->getjmlRoda(); ?></td>
55         <td><?= $taksi1->getWarna(); ?></td>
56         <td><?= $taksi1->getBahanBakar(); ?></td>
57         <td><?= $taksi1->getKapasitasMesin(); ?></td>
58         <td>-</td>
59         <td><?= $taksi1->getTarifAwal(); ?></td>
60         <td><?= $taksi1->getTarifPerKm(); ?></td>
61         <td>-</td>
62         <td>-</td>
63     </tr>
64
65     <tr align="center">
66         <td>Taksi2</td>
67         <td><?= $taksi2->getjmlRoda(); ?></td>
68         <td><?= $taksi2->getWarna(); ?></td>
69         <td><?= $taksi2->getBahanBakar(); ?></td>
70         <td><?= $taksi2->getKapasitasMesin(); ?></td>
71         <td>-</td>
72         <td><?= $taksi2->getTarifAwal(); ?></td>
73         <td><?= $taksi2->getTarifPerKm(); ?></td>
74         <td>-</td>
75         <td>-</td>
76     </tr>
```

```
78     <tr align="center">
79         <td>Sepeda1</td>
80         <td><?= $sepeda1->getJmlRoda(); ?></td>
81         <td><?= $sepeda1->getWarna(); ?></td>
82         <td>-</td>
83         <td>-</td>
84         <td>-</td>
85         <td>-</td>
86         <td>-</td>
87         <td><?= $sepeda1->getJmlSadel(); ?></td>
88         <td><?= $sepeda1->getJmlGir(); ?></td>
89     </tr>
90
91     <tr align="center">
92         <td>Sepeda2</td>
93         <td><?= $sepeda2->getJmlRoda(); ?></td>
94         <td><?= $sepeda2->getWarna(); ?></td>
95         <td>-</td>
96         <td>-</td>
97         <td>-</td>
98         <td>-</td>
99         <td>-</td>
100        <td><?= $sepeda2->getJmlSadel(); ?></td>
101        <td><?= $sepeda2->getJmlGir(); ?></td>
102    </tr>
103
104 </table>
105 </html>
```