Pemrograman Berbasis Objek_Praktikum 5

1. Program polymorphic argument

- **Source Code :**

```
1   <!DOCTYPE html>
2   <html lang="id">
3   <head>
4       <meta charset="UTF-8">
5       <meta http-equiv="X-UA-Compatible" content="IE=edge">
6       <meta name="viewport" content="width=device-width, initial-scale=1.0">
7       <title>Praktikum 5</title>
8   </head>
9   <body style="align-items: center;">
10      <div class="container">
11          <h2>Praktikum 5_Soal No.1</h2>
12
13  <?php
14      class Pegawai
15      {
16          public $nama;
17          public  function __construct($nama)
18          {
19              $this->nama = $nama;
20          }
21          public  function getNama()
22          {
23              return $this->nama;
24          }
25      }
26      class Manajer extends Pegawai
27      {
28          public $tunjangan;
29          public  function __construct($nama, $tunjangan)
30          {
31              parent::__construct($nama);
32              $this->tunjangan = $tunjangan;
33          }
34          public  function getTunjangan()
35          {
36              return $this->tunjangan;
37          }
38      }
39      class Kurir extends Pegawai
40      {
41          public $gaji;
42
43          public  function __construct($nama, $gaji)
44          {
45              parent::__construct($nama);
46
47              $this->gaji = $gaji;
48
49          }
50          public  function getGaji()
51          {
52              return $this->gaji;
53          }
54      }
55      class Soal1
56      {
57          public static
58          function Proses($peg)
59          {
60              if ($peg instanceof Manajer)
61              {
62                  $man = $peg;
63                  echo "<br>Nama manajer: ".$man->nama, "\n";
64                  echo "<br>Tunjangan: Rp. ".strval($man->tunjangan), "\n";
65              }
66              else if ($peg instanceof Kurir)
67              {
```

```php
                $kur =  $peg;
                echo "<br>Nama kurir: ".$kur->nama, "\n";
                echo "<br>Gaji: Rp. ".strval($kur->gaji), "\n";
            }
        }
        public static
        function main($args)
        {
            $peg1 = new Manajer("Johan", 7500000);
            Soal1::Proses($peg1);
            echo "<br>";
            $peg2 = new Kurir("Imam", 2800000);
            Soal1::Proses($peg2);
        }
    }

Soal1::main(array());
?>

    </div>
</body>
</html>
```

- **Output :**

> ## Praktikum 5_Soal No.1
>
> Nama manajer: Johan
> Tunjangan: Rp. 7500000
>
> Nama kurir: Imam
> Gaji: Rp. 2800000

2. Program Berdasarkan UML
- **Source Code :**

```php
<!DOCTYPE html>
<html lang="id">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Praktikum 5.2</title>
</head>
<body style="align-items: center;">
    <div class="container">
        <h2>Praktikum 5_Soal No.2</h2>

<?php
    class Pegawai
    {
        public  $nama;
        public $gaji;
        public  function __construct($nama, $gaji)
        {
            $this->nama = $nama;
            $this->gaji = $gaji;
        }
        public  function infoGaji()
        {
            return $this->gaji;
        }
    }
    class Manajer extends Pegawai
    {
        private $tunjangan;
        public  function __construct($nama, $gaji, $tunjangan)
        {
            parent::__construct($nama, $gaji);
            $this->tunjangan = $tunjangan;
        }
```

```php
36          public  function infoGaji()
37          {
38              return $this->gaji;
39          }
40          public  function infoTunjangan()
41          {
42              return $this->tunjangan;
43          }
44      }
45      class Programmer extends Pegawai
46      {
47          private $bonus;
48          public  function __construct($nama, $gaji, $bonus)
49          {
50              parent::__construct($nama, $gaji);
51              $this->bonus = $bonus;
52          }
53          public  function infoGaji()
54          {
55              return $this->gaji;
56          }
57          public  function infoBonus()
58          {
59              return $this->bonus;
60          }
61      }
62      class Bayaran
63      {
64          public function hitungBayaran($peg)
65          {
66              $uang = $peg->infoGaji();
67
68              return $uang;
69          }
70          public static function main($args)
71          {
72              $man = new Manajer("Johan", 7500000, 500000);
73              echo "<br>", "<br>";
74              $prog = new Programmer("Juniar", 5000000, 250000);
75              echo "<br>", "<br>";
76              $hr = new Bayaran();
77              echo "Gaji untuk Manajer Bernama ". $man->nama." : Rp. ".strval($hr->hitungBayaran($man)) , "\n";
78              echo "<br>", "<br>";
79              echo "Gaji untuk Programmer Bernama ".$prog->nama. " : Rp. ".strval($hr->hitungBayaran($prog)) , "\n";
80
81          }
82      }
83
84  Bayaran::main(array());
85  ?>
86
87      </div>
88  </body>
89  </html>
```

- **Output :**

> # Praktikum 5_Soal No.2
>
> Gaji untuk Manajer Bernama Johan : Rp. 7500000
>
> Gaji untuk Programmer Bernama Juniar : Rp. 5000000