

Laporan Pemrograman Berorientasi Obyek
Ujian Tengah Semester 2022
Praktikum 5



Disusun Oleh:

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D4 MANAJEMEN INFORMATIKA

PROGRAM VOKASI

UNIVERSITAS NEGERI SURABAYA

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1. Suatu program terdiri dari class Pegawai sebagai parent class, class Manajer dan class Kurir sebagai subclass. Buatlah suatu program yang menerapkan konsep polymorphic argument (Polymorphic arguments adalah tipe suatu parameter yang menerima suatu nilai yang bertipe subclass-nya).

```
Get Started No.1 Prak 5.PHP X
C: > xampp1 > htdocs > No.1 Prak 5.PHP > html
1  <!-- Nama : Syarifah Saskia Aulia -->
2  <!-- NIM : 21091397012 -->
3  <!-- Kelas : 2021B -->
4
5  <!DOCTYPE html>
6  <html lang="id">
7  <head>
8      <meta charset="UTF-8">
9      <meta http-equiv="X-UA-Compatible" content="IE=edge">
10     <meta name="viewport" content="width=device-width, initial-scale=1.0">
11     <title>Praktikum 5</title>
12 </head>
13 <body style="align-items: center;">
14     <div class="container">
15         <h2>Soal 1</h2>
16
17         <?php
18 class Pegawai
19 {
20     public $nama;
21     public function __construct($nama)
22     {
23         $this->nama = $nama;
24     }
25 }
```

```
Get Started No.1 Prak 5.PHP X
C: > xampp1 > htdocs > No.1 Prak 5.PHP > html
25     public function getNama()
26     {
27         return $this->nama;
28     }
29 }
30 class Manajer extends Pegawai
31 {
32     public $tunjangan;
33     public function __construct($nama, $tunjangan)
34     {
35         parent::__construct($nama);
36         $this->tunjangan = $tunjangan;
37     }
38     public function getTunjangan()
39     {
40         return $this->tunjangan;
41     }
42 }
43 class Kurir extends Pegawai
44 {
45     public $gaji;
46
47     public function __construct($nama, $gaji)
48     {
```

```

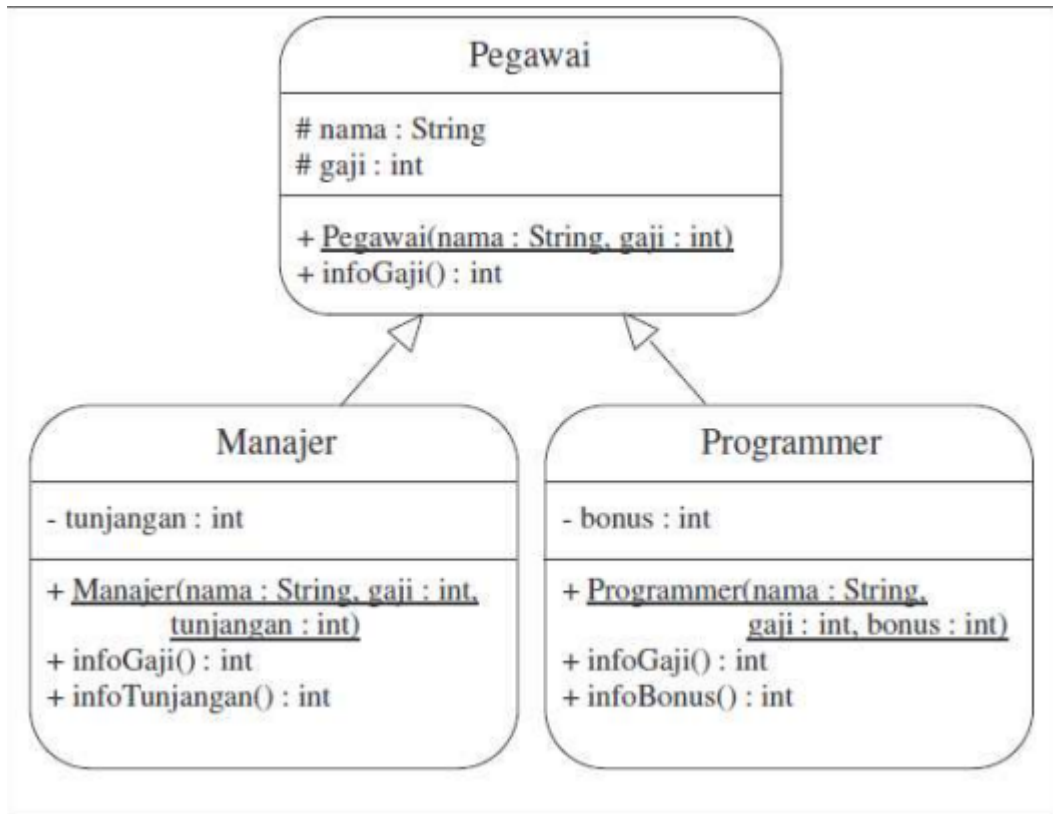
49         parent::__construct($nama);
50
51         $this->gaji = $gaji;
52     }
53
54     public function getGaji()
55     {
56         return $this->gaji;
57     }
58 }
59 class Soal1
60 {
61     public static
62     function Proses($peg)
63     {
64         if ($peg instanceof Manajer)
65         {
66             $man = $peg;
67             echo "<br>Nama manajer: ".$man->nama, "\n";
68             echo "<br>Tunjangan: Rp. ".strval($man->tunjangan), "\n";
69         }
70         else if ($peg instanceof Kurir)
71         {
72             $kur = $peg;
73             echo "<br>Nama kurir: ".$kur->nama, "\n";
74             echo "<br>Gaji: Rp. ".strval($kur->gaji), "\n";
75         }
76     }

```

```

76     }
77     public static
78     function main($args)
79     {
80         echo "Syarifah Saskia - 21091397012", "\n";
81         echo "<br>", "<br>";
82         $peg1 = new Manajer("Caca", 4000000);
83         Soal1::Proses($peg1);
84         echo "<br>", "<br>";
85         $peg2 = new Kurir("Cila", 4500000);
86         Soal1::Proses($peg2);
87     }
88 }
89 Soal1::main(array());
90 ?>
91
92 </div>
93 </body>
94 </html>

```



2.

```

C: > xampp1 > htdocs > No.2 Prak 5.PHP > html
1  <!-- Nama : Syarifah Saskia Aulia -->
2  <!-- NIM : 21091397012 -->
3  <!-- Kelas : 2021B -->
4
5  <!DOCTYPE html>
6  <html lang="id">
7  <head>
8      <meta charset="UTF-8">
9      <meta http-equiv="X-UA-Compatible" content="IE=edge">
10     <meta name="viewport" content="width=device-width, initial-scale=1.0">
11     <title>Praktikum 5</title>
12 </head>
13 <body>
14     <div class="container">
15         <h2>Soal 2</h2>
16
17         <?php
18 class Pegawai
19 {
20     public $nama;
21     public $gaji;
22     public function __construct($nama, $gaji)
23     {
24         $this->nama = $nama;
25         $this->gaji = $gaji;
26     }
  
```

```

27     public function infoGaji()
28     {
29         return $this->gaji;
30     }
31 }
32 class Manajer extends Pegawai
33 {
34     private $tunjangan;
35     public function __construct($nama, $gaji, $tunjangan)
36     {
37         parent::__construct($nama, $gaji);
38         $this->tunjangan = $tunjangan;
39     }
40     public function infoGaji()
41     {
42         return $this->gaji;
43     }
44     public function infoTunjangan()
45     {
46         return $this->tunjangan;
47     }
48 }
49 class Programmer extends Pegawai
50 {
51     private $bonus;
52     public function __construct($nama, $gaji, $bonus)
53     {

```

```

53     {
54         parent::__construct($nama, $gaji);
55         $this->bonus = $bonus;
56     }
57     public function infoGaji()
58     {
59         return $this->gaji;
60     }
61     public function infoBonus()
62     {
63         return $this->bonus;
64     }
65 }
66 class Bayaran
67 {
68     public function hitungBayaran($peg)
69     {
70         $uang = $peg->infoGaji();
71
72         return $uang;
73     }
74     public static function main($args)
75     {
76         echo "Shabinna Rahma - 21091397004";
77         echo "<br>";
78         $man = new Manajer("Lala", 9000000, 900000);
79         echo "<br>", "<br>";
80         $prog = new Programmer("Maisha", 5000000, 600000);

```

```
80     $prog = new Programmer("Maisha", 5000000, 600000);
81     echo "<br>", "<br>";
82     $hr = new Bayaran();
83     echo "<br> Gaji untuk Manajer Bernama ". $man->nama. " : Rp. ".strval($hr->hitungBayaran($man)) , "\n";
84     echo "<br>", "<br>";
85     echo "<br>Gaji untuk Programmer Bernama ".$prog->nama. " : Rp. ".strval($hr->hitungBayaran($prog)) , "\n";
86
87 }
88 }
89 Bayaran::main(array());
90 ?>
91 <!-- END PHP -->
92 </div>
93 </body>
94 </html>
```