LAPORAN PRAKTIKUM 5

Mata Kuliah Pemrograman Berorientasi Obyek



Oleh:

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PROGRAM STUDI D4 MANAJEMEN INFORMATIKA

FAKULTAS VOKASI

UNIVERSITAS NEGERI SURABAYA

1. Source Code: PHP

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                                                                                      041_Praktikum 5 Nomor 1.php - Coba VSCODE - Visual Studio Code
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                           -- prip
12 references | 6 implementations
class Pegawai
{
 C
          ည
                     11 references
5 | public $name;
6 references | 6 overrides
6 | public function __construct($name)
          $
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 $this->name = $name;
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 w
 0 references | 0 overrides
public function getName()
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12
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 5 references | 0 implementations
class Manager extends Pegawai
                    16
17
                                 8 references
public $tunjangan;
9 references|0 overrides|prototype
public function __construct($name, $tunjangan)
                    19
20
21
22
23
                                        parent::__construct($name);
$this->tunjangan = $tunjangan;
0 references | 0 overrides
public function getTunjangan()
          8
13:23
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                    24
25
          #
                                     return $this->tunjangan;
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                                                                                                                                                                   Ln 26, Col 33 Spaces: 4 UTF-8 CRLF ( PHP 8.1 R
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          Q
                           4 references | 0 implementations
class Kurir extends Pegawai
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                     30
                                9 references
public $gaji;
8 references | 0 overrides | prototype
public function __construct($name, $gaji)
'
          $
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 <del>|</del>2
                    32
33
34
35
36
 parent::__construct($name);
$this->gaji = $gaji;
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 0 references | 0 overrides
public function getGaji()
 83
                    37
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 return $this->gaji;
                    42
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                                        if ($peg instanceof Manager)
â 🔚
                                              $man = $peg;
echo "<br/>br>Nama Manager: ".$man->name, "\n";
echo "<br/>br>Tunjangan: RP. ".strval($man->tunjangan), "\n";
( 4)
          8
13:23
7/10/2022
                                     else if [($peg instanceof Kurir)]
          ₩
                     54
 ş
                                                                                                                                                                   Ln 53. Col 40 Spaces: 4 UTF-8 CRLF (& PHP 8.1 &
```

Output

21091397041 Refila Dyah Ghizanda Wardoyo

Nama Manager: Refila

Tunjangan: RP. 20000000

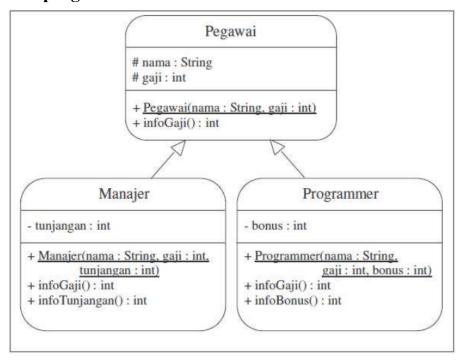
Nama Kurir: Ghizanda

Gaji= RP. 15000000

Analisa

Dalam kasus diatas implementasi dari polymorphic argument berada di class info dimana method info dibuat static supaya pemanggilannya tidak perlu diinisiasi, sehingga bisa langsung dimasukkan menjadi parameter pada method info di class info

2. Buat program berdasarkan UML berikut



Source Code: PHP

```
041_Praktikum 5 Nomor 2.php - Coba VSCODE - Visual Studio Code

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1 <!-- 21091397041 Refila Dyah Ghizanda Wardoyo -->
         Q
                        3 <?php
    16 references | 8 implementations
4    class Pegawai
5 {</pre>
          مړه
         $
0
                       14 references
public $name;
12 references
public $gaji;
8 references |8 overrides
public function __construct($name, $gaji)
Д
                                             $this->name = $name;
$this->gaji = $gaji;
æ
                                      2 references | 2 overrides
public function infoGaji()
                      13
14
15
16
17
                                             return $this->gaji;
                               6 references | 0 implementations
class Manager extends Pegawai
                      18
19
                                      10 references
private $tunjangan;
12 references | 0 overrides | prototype
public function __construct($name, $gaji, $tunjangan)
.
                      21
22
23
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25
                                             parent::__construct($name, $gaji);
$this->tunjangan = $tunjangan;
                                                                                                                                                                                                Ln 26, Col 31 Spaces: 4 UTF-8 CRLF ( ) PHP 8.1 🛱 🚨
```

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                                                                                 return $this->gaji;
                                                                 0 references | 0 overrides
public function infoTunjangan()
                                                                                 return $this->tunjangan;
                                                2 references | 0 implementations
class Programmer extends Pegawai
                                                               4 references
private $bonus;
                                                                public function __construct($name, $gaji, $bonus)
                                                                                parent::__construct($name, $gaji);
$this->bonus = $bonus;
                                                                  0 references | 0 overrides
public function infoBonus()
                            43
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                            48
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                                                           public function hitungBayaran($peg)
                                                               $uang = $peg->infoGaji();
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                                                                                                                                                    nshots > 🦛 041_Praktikum 5 Nomor 2.php > PHP Intelephense > 😘 Bayaran > 😚 hitungBa
                                                                                       $uang = $peg->infoGaji();
                                                                                       return $uang;
                                                                       2 references | 0 overrides
public static function main($args)
                                   56
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66
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     <del>|</del>2
                                                                                     echo "Refila Dyah Ghizanda Wardoyo", "\n";
echo "21091397041", "\n";
echo "<br/>
echo "<br/>
'\sharper '\sharper';
echo "<br/>
'\sharper';
echo "\sharper';
echo "\sharper'
                                                        Bayaran::main(array());
```

Output

Refila Dyah Ghizanda Wardoyo 21091397041

Gaji Manager Refila: RP. 20000000

Gaji Programmer Dyah : RP. 18000000

Analisa

Program diatas adalah penerapan inheritance dengan konsep overriding, dimana pemanggilan construct di masing-masing class turunan hanya akan menginisiasi properti yang dimiliki dengan visibilitas private dan properti lain yang diturunkan akan langsung diinisiasi dengan construct dari parentnya.