LAPORAN TUGAS PRAKTIKUM 4 Mata Kuliah Pemrograman Berbasis Objek



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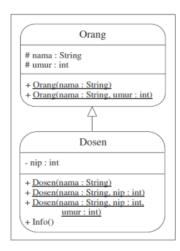
Program vokasi

Universitas Negeri Surabaya

2022

Praktikum 4

1. Buatlah Program berdasarkan UML dibawah ini



Source code: PHP

```
# prak4 no1.css
                     mprak4 no1.php X
🦬 prak4 no1.php > PHP Intelephense > 🤗 html > 🚱 body > 😭 div.container > ધ Dosen > 😚 hasil
                                                                     div.container (field)
      <!DOCTYPE html>
      <html lang="en">
        <link rel="stylesheet" type="text/css" href="prak4 no1.css">
          <title>Praktikum 4</title>
      <h2>Tugas praktikum 4 nomor 1</h2>
           protected $nama,$umur;
              public function __construct($nama,$umur){
              $this->nama = $nama;
               $this->umur = $umur;
            private $nip;
             public function __construct($nama, $umur, $nip) {
    $this->nip = $nip;
                   parent::__construct($nama, $umur);
             public function hasil() {
                   return $this->nama .', Umur'. $this->umur.', NIP'. $this->nip;
           $dosen1 = new Dosen('Albert', 20, 21091397046);
           $dosen2 = new Dosen('Viora', 23, 21091397136);
$dosen3 = new Dosen('Regita', 19, 21091397138);
```

Source Code: Css

Output

Tugas praktikum 4 nomor 1

Albert , Umur 20 , NIP 21091397046

Viora , Umur 23 , NIP 21091397136

Regita , Umur 19 , NIP 21091397138

2. Buat program berdasarkan UML berikut

```
RerataNilai
+ int average(int, int)
+ double average(double, double)
+ int average(int, int, int)
```

Source code: PHP

```
🐡 prak4 no2 index.php 🗙
🗫 prak4 no2 index.php > 🔗 html > 🔗 body
         require_once 'prak4 no2.php';
     <html lang="id">
       <link rel="stylesheet" href="prak4 no2.css">
         <title>Praktikum 4</title>
 10
 <form action="" method="post">
              <button type="submit" name="submit">Submit</button>
                    if (isset($_POST['submit']))
                           if (!$_POST['input3']) {
                              $value1 = new RerataNilai2($_POST['input1'], $_POST['input2']);
                              echo $value1->average(0);
                             $value1 = new RerataNilai2($_POST['input1'], $_POST['input2']);
                              echo $value1->average($_POST['input3']);
```

```
💏 prak4 no2.php 🗙
🗫 prak4 no2.php > PHP Intelephense > ધ RerataNilai > 😭 _construct
      <!-- 21091397038 Ahmed Nur Sidik -->
      class RerataNilai {
          protected $value, $value2;
           public function __construct($value, $value2){
              $this->value = $value;
              $this->value2 = $value2;
 10
           public function average($value3 = 0){
              if ($value3 == 0) {
                  $str = $this->value . ' + ' . $this->value2 . ' / 2 = ';
                   return $str . ($this->value += $this->value2 ) / 2;
                   $str ='(' . $this->value . ' + ' . $this->value2 . ' + ' . $this->value2 . ') / 3 = ';
                   return $str . ($this->value += $this->value2 += $value3 ) / 3;
       class RerataNilai2 extends RerataNilai{
           public function __construct($value, $value2){
              parent::__construct($value, $value2);
           public function average($value3 = 0){
              return parent::average($value3);
```

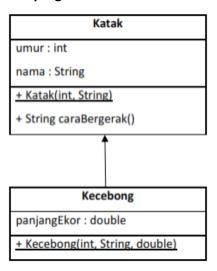
Source code: CSS

prak4 no2.css X # prak4 no2.css > % .container 1 .container { 2 margin: auto; 3 text-align: center; 4 width: 650px; 5 height: 150px; 6 border-style: groove; 7

Output

Soal Nomor 2					
	Submit				
(6+6+6)/3=6					

3. Buat program berdasarkan UML berikut



Dan buat objek dengan karakteristik seperti tabel dibawah ini

Obyek	umur	nama	panjangEkor	caraBergerak
O1	5	Froggy		melompat
O2	2	Junior Frog	10	berenang

Source code: PHP

```
🐡 prak4 no3 index.php 🗙
mprak4 no3 index.php > ...
    k!-- 21091397038 Ahmed Nur Sidik -->
      require_once 'prak4 no3.php';
    <html lang="id">
      <br/><body><br/><h2><center>Soal Nomor 3</center></h2>
    Objek
      Umur
      Nama
       Panjang Ekor
      Cara Bergerak
      01
      <?=$katak->getUmur() ?> 
       <?=$katak->getnama() ?> 
       <?=$katak->carabergerak() ?> 
      02
       <?=$kecebong->getUmur() ?>
      <?=$kecebong->getNama() ?>
```

```
💏 prak4 no3.php 🌘
📅 prak4 no3.php > ...
      <!-- 21091397038 Ahmed Nur Sidik -->
      class Katak{
         protected $umur, $nama;
          public function __construct($umur, $nama){
              $this->umur = $umur;
              $this->nama = $nama;
          public function getUmur(){
              return $this->umur;
          public function getNama(){
              return $this->nama;
           public function caraBergerak(){
              return 'Melompat';
       class Kecebong extends Katak{
                                               @param mixed $nama
           private $panjangEkor;
           public function __construct($umur, $nama, $ekor){
           $this->panjangEkor = $ekor;
           parent::__construct($umur, $nama);
           public function getpanjangekor(){
              return $this->panjangEkor;
           public function carabergerak(){
              return 'Berenang';
      $katak = new katak(9, 'Kodok');
 37
      $kecebong = new kecebong(5, 'Junior Kodok', 10);
```

Source code: CSS

urce code : CSS

Output

Soal Nomor 3

Objek	Umur	Nama	Panjang Ekor	Cara Bergerak
01	9	Kodok	-	Melompat
02	5	Junior Kodok	10	Berenang