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DOC TUGA 2

INPUTNYA:

```
C: > xampp >htdocs > tugas3 > tugas2.php
 1 <!DOCTYPE html>
 2 <html>
 3 <head>
 4 <title>OOP Bangun Datar</title>
 5 <style>
 6     body {
 7         background-color: #ffe6f0;
 8         font-family: Arial, sans-serif;
 9     }
10     table {
11         border-collapse: collapse;
12         margin: 50px auto;
13         width: 60%;
14         background-color: #fff0f5;
15         box-shadow: 0 0 10px pink;
16     }
17     th, td {
18         border: 1px solid #ffb6c1;
19         padding: 12px;
20         text-align: center;
21     }
22     th {
23         background-color: #ff99cc;
24         color: white;
25     }
26     h2 {
27         text-align: center;
28         color: #ff66a3;
29     }
30 </style>
31 </head>
32 <body>
33
```

```

34 <h2>♥ Hasil Perhitungan Bangun Datar ♥</h2>
35
36 <?php
37 // ===== PERSEGI =====
38 class Persegi {
39     public $panjang;
40     public $lebar;
41
42     public function __construct($p, $l) {
43         $this->panjang = $p;
44         $this->lebar = $l;
45
46     public function luas() { return $this->panjang * $this->lebar;}
47
48     public function keliling() { return 2 * ($this->panjang + $this->lebar);}
49 }
50
51 // ===== LINGKARAN =====
52 class Lingkaran {
53     public $jari;
54
55     public function __construct($r) { $this->jari = $r; }
56
57     public function luas() {return pi() * $this->jari * $this->jari;}
58
59     public function keliling() { return 2 * pi() * $this->jari; }
60 }
61
62 // ===== TRAPESIUM =====
63 class Trapesium {
64     public $a, $b, $c, $d, $tinggi;
65
66     public function construct($a, $b, $c, $d, $t) {
67
68         $this->a = $a;
69         $this->b = $b;
70         $this->c = $c;
71         $this->d = $d;
72         $this->tinggi = $t; }
73
74     public function luas() { return 0.5 * ($this->a + $this->b) * $this->tinggi; }
75     public function keliling() { return $this->a + $this->b + $this->c + $this->d;}
76 }
77
78 // ===== OBJEK =====
79 $persegi = new Persegi(10, 5);
80 $lingkaran = new Lingkaran(7);
81 $trapesium = new Trapesium(10, 8, 6, 6, 5);
82 ?>
83
84 <table>
85 <tr>
86     <th>Bangun</th>
87     <th>Data</th>
88     <th>Luas</th>
89     <th>Keliling</th>
90 </tr>
91
92 <tr>
93     <td>Persegi</td>
94     <td>P = 10, L = 5</td>
95     <td><?= $persegi->luas(); ?></td>
96     <td><?= $persegi->keliling(); ?></td>
97 </tr>



```

```

97     </tr>
98
99     <tr>
100        <td>Lingkaran</td>
101        <td>r = 7</td>
102        <td><?php echo number_format($lingkaran->luas(), 2); ?></td>
103        <td><?php echo number_format($lingkaran->keliling(), 2); ?></td>
104     </tr>
105
106     <tr>
107        <td>Trapezium</td>
108        <td>a=10, b=8, c=6, d=6, t=5</td>
109        <td><?php echo $trapesium->luas(); ?></td>
110        <td><?php echo $trapesium->keliling(); ?></td>
111     </tr>
112
113 </table>
114
115 </body>
116 </html>

```

OUTPUTNYA

 Hasil Perhitungan Bangun Datar 

Bangun	Data	Luas	Keliling
Persegi	P = 10, L = 5	50	30
Lingkaran	r = 7	153.94	43.98
Trapezium	a=10, b=8, c=6, d=6, t=5	45	30