

**NAMA: INDAH SETYOWATI**

**NIM : 2024201025**

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### **KODE OOPNYA**

```
<?php

// CLASS PERSEGI

class Persegi {
    // Property
    public $panjang;
    public $lebar;

    // Constructor
    public function __construct($panjang, $lebar) {
        $this->panjang = $panjang;
        $this->lebar = $lebar;
    }

    // Method hitung luas
    public function hitungLuas() {
        return $this->panjang * $this->lebar;
    }

    // Method hitung keliling
    public function hitungKeliling() {
        return 2 * ($this->panjang + $this->lebar);
    }
}

// CLASS LINGKARAN

class Lingkaran {
    // Property
    public $jariJari;
    public $diameter;

    // Constructor
    public function __construct($jariJari) {
        $this->jariJari = $jariJari;
        $this->diameter = 2 * $jariJari;
    }

    // Method hitung luas
    public function hitungLuas() {
        return 3.14 * $this->jariJari * $this->jariJari;
    }

    // Method hitung keliling
    public function hitungKeliling() {
```

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        return 2 * 3.14 * $this->jariJari;
    }
}

// CLASS TRAPESIUM

class Trapezium {
    // Property
    public $sisiAtas;
    public $sisiBawah;
    public $tinggi;
    public $sisiMiring;

    // Constructor
    public function __construct($sisiAtas, $sisiBawah, $tinggi,
    $sisiMiring) {
        $this->sisiAtas = $sisiAtas;
        $this->sisiBawah = $sisiBawah;
        $this->tinggi = $tinggi;
        $this->sisiMiring = $sisiMiring;
    }

    // Method hitung luas
    public function hitungLuas() {
        return 1/2 * ($this->sisiAtas + $this->sisiBawah) * $this-
>tinggi;
    }

    // Method hitung keliling
    public function hitungKeliling() {
        return $this->sisiAtas + $this->sisiBawah + $this-
>sisiMiring + $this->tinggi;
    }
}

// Objek Persegi
$persegi = new Persegi(9, 3);

echo " PERSEGI <br>";
echo "Panjang = " . $persegi->panjang . "<br>";
echo "Lebar = " . $persegi->lebar . "<br>";
echo "Luas = " . $persegi->hitungLuas() . "<br>";
echo "Keliling = " . $persegi->hitungKeliling() . "<br><br>";

// Objek Lingkaran
$lingkaran = new Lingkaran(28);

echo " LINGKARAN <br>";
echo "Jari-jari = " . $lingkaran->jariJari . "<br>";
echo "Diameter = " . $lingkaran->diameter . "<br>";
echo "Luas = " . $lingkaran->hitungLuas() . "<br>";
echo "Keliling = " . $lingkaran->hitungKeliling() . "<br><br>";

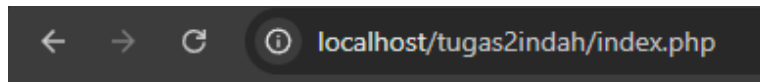
```

```
// Objek Trapesium
$trapesium = new Trapesium(8, 10, 8, 4);

echo " TRAPESIUM <br>";
echo "Sisi Atas = " . $trapesium->sisiAtas . "<br>";
echo "Sisi Bawah = " . $trapesium->sisiBawah . "<br>";
echo "Tinggi = " . $trapesium->tinggi . "<br>";
echo "Sisi Miring = " . $trapesium->sisiMiring . "<br>";
echo "Luas = " . $trapesium->hitungLuas() . "<br>";
echo "Keliling = " . $trapesium->hitungKeliling() . "<br>";

?>
```

## TAMPILAN HASILNYA



### PERSEGI

Panjang = 9

Lebar = 3

Luas = 27

Keliling = 24

### LINGKARAN

Jari-jari = 28

Diameter = 56

Luas = 2461.76

Keliling = 175.84

### TRAPESIUM

Sisi Atas = 8

Sisi Bawah = 10

Tinggi = 8

Sisi Miring = 4

Luas = 72

Keliling = 30