SOAL#1 PERSEGI PANJANG

1. ***PSEUDOCODE***

PROGRAM PERSEGI PANJANG

**KAMUS**

Panjang: FLOAT

Lebar: FLOAT

Luas: FLOAT

Keliling: FLOAT

**ALGORITMA**

INPUT(panjang, Lebar)

Luas = Panjang x Lebar

Keliling = (2P + 2L)

**OUTPUT**

(Luas, Keliling)

**ENDPROGRAM**

1. ***CODING***

A screenshot of a computer

Description automatically generated

***C. OUTPUT***

A computer screen with text

Description automatically generated  
  
  
SOAL#2 LINGKARAN

1. ***PSEUDOCODE***

PROGRAM LINGKARAN

**KAMUS**

Radius: FLOAT

Luas: FLOAT

Keliling: FLOAT

Pi: FLOAT

**ALGORITMA**

***// Inisialisasi nilai π (Pi)*** Pi = 3.14  
 INPUT(radius)  
 Luas =   
 Keliling =

**OUTPUT**

(Luas, Keliling)

**ENDPROGRAM**

***B. CODING***

A screen shot of a computer program

Description automatically generated

***C. OUTPUT***

**A computer screen shot of a program

Description automatically generated**

SOAL#3 FUNGSI F(x,y)

1. ***PSEUDOCODE***

PROGRAM HITUNG FUNGSI F(x,y)

PROGRAM HITUNG PERSAMAAN

**KAMUS**

x, y: INTEGER

hasil: FLOAT

**ALGORITMA**

// Input nilai x dan y

PRINT "Masukkan nilai x,y: "

INPUT(x, y)

// Menghitung nilai f(x, y)

hasil = 1 / (3 \* x \* x + 10) + 10 \* y + 7

**OUTPUT**

PRINT "Nilai dari f(x, y)

**ENDPROGRAM**

1. ***CODING***

A screenshot of a computer

Description automatically generated

1. ***OUTPUT***

A screenshot of a computer

Description automatically generated

SOAL#4 DIGIT

1. ***PSEUDOCODE***

PROGRAM DIGIT

**KAMUS**

x, d1, d2, d3 : INTEGER

**ALGORITMA**

Input bilangan bulat positif x

PRINT "Masukkan bilangan bulat positif x (<= 999): "

INPUT(x)

IF x < 0 OR x > 999 THEN

PRINT "Input tidak valid. Pastikan x adalah bilangan bulat positif <= 999." EXIT

d3 = x MOD 10 // Digit satuan

d2 = (x / 10) MOD 10 // Digit puluhan

d1 = (x / 100) MOD 10 // Digit ratusan

**OUTPUT**

(d1, d2, d3)

**ENDPROGRAM**

1. ***CODING***

A screenshot of a computer screen

Description automatically generated

1. ***OUTPUT***

A screenshot of a computer screen

Description automatically generated

SOAL#5 TOKO

1. ***PSEUDOCODE***

PROGRAM HARGA JUAL BARANG

**KAMUS**

hargaBeli1, hargaBeli2, hargaBeli3: INTEGER

hargaJual1, hargaJual2, hargaJual3: FLOAT

**ALGORITMA**

Input harga beli dari tiga barang

PRINT "Masukkan harga beli barang 1,2,3: "

INPUT(hargaBeli 1,2,3)

Menghitung harga jual dengan keuntungan 5%

hargaJual1 = hargaBeli1 + (0.05 \* hargaBeli1) // Keuntungan 5%

hargaJual2 = hargaBeli2 + (0.05 \* hargaBeli2)

hargaJual3 = hargaBeli3 + (0.05 \* hargaBeli3)

**OUTPUT**

(hargaJual1, hargaJual2, hargaJual3)

**ENDPROGRAM**

1. A screenshot of a computer screen

   Description automatically generated***CODING***
2. **OUTPUT**

A screenshot of a computer screen

Description automatically generated