**ACTIVITY PERTEMUAN 1**

NAMA : Ajay Alfredo Almani

NPM : 50420093

KELAS : 2IA16

TANGGAL : 14 Oktober 2021

MATERI : Sistem Bilangan

PERTEMUAN : ke - 1

MATA PRAKTIKUM : Organisasi Sistem Komputer



# LABORATORIUM TEKNIK INFORMATIKA UNIVERSITAS GUNADARMA

**2021**

**SOAL ACTIVITY**

1. 1234 ( Oktal ) = (Desimal)
2. 2CDA (Hexadesimal) = (Desimal)
3. 111011 (Biner) = (Desimal)
4. 356 (Oktal) = (Desimal)
5. 7A1 (Hexadesimal) = (Desimal)

**Jawab**

1. **1234 (Oktal)**

= (1 x ) + (2 x ) + (3 x ) + (4 x )

= 512 + 128 + 24 + 4

= 66 Desimal

1. **2CDA (Hexadesimal)**

= (2 x ) + (12 x ) + (13 x ) + (10 x )

= 8.192 + 3.072 + 208 + 10 = 11.48 Desimal

1. **111011 (Biner)**

= (1 x ) + (1 x ) + (1 x ) + (0 x ) + (1 x ) + (1 x )

= 32 + 16 + 8 + 0 + 2 + 1 = 5

1. **356 (Oktal)**

= (3 x ) + (5 x ) + (6 x )

= 192 + 40 + 6 = 23

1. **7A1 (Hexadesimal)**

= (7 x 1 ) + (10 x 1) + (1 x 1)

= 1.792 + 160 + 1 = 1.95