

## **LAPORAN AKHIR**

Mata Praktikum : Organisasi Sistem Komputer  
Kelas : 2IA16  
Praktikum ke - : 1  
Tanggal : Kamis, 14 Oktober 2021  
Materi : Sistem Bilangan  
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Nama : Ajay Alfredo Almani  
Ketua Asisten : Brigitta  
Nama Asisten :  
Paraf Asisten :  
Jumlah Lembar : 2 Lembar



**LABORATORIUM TEKNIK INFORMATIKA**  
**UNIVERSITAS GUNADARMA**  
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### SOAL

- a. 8765 ( Desimal )      =      8.765      (Desimal)
- b. 11001101 (Biner)      =      205      (Desimal)
- c. 1402 (Oktal)      =      707      (Desimal)
- d. A56D (Hexadesimal) =      42.349      (Desimal)

### JAWABAN

$$\begin{array}{r} \text{A). } .8 \times 10^3 = 8.000 \\ 7 \times 10^2 = 700 \\ 6 \times 10^1 = 60 \\ 5 \times 10^0 = 5 \\ \hline \end{array} +$$
$$= 8.765_{10}$$

$$\begin{array}{r} \text{B). } .1 \times 2^7 = 128 \\ 1 \times 2^6 = 64 \\ 0 \times 2^5 = 0 \\ 0 \times 2^4 = 0 \\ 1 \times 2^3 = 8 \\ 1 \times 2^2 = 4 \\ 0 \times 2^1 = 0 \\ 1 \times 2^0 = 1 \\ \hline \end{array} +$$
$$= 205_{10}$$

$$\begin{array}{r} \text{C). } 1 \times 8^3 = 512 \\ 4 \times 8^2 = 256 \\ 0 \times 8^1 = 0 \\ 2 \times 8^0 = 2 \\ \hline \end{array} +$$
$$= 707_{10}$$

$$\begin{array}{r} \text{D). } 10 \times 16^3 = 40.960 \\ 5 \times 16^2 = 1.280 \\ 6 \times 16^1 = 96 \\ 13 \times 16^0 = 13 \\ \hline \end{array} +$$
$$= 42.349_{10}$$