KOMUNIKASI DAN DATA

LATIFAH HANIF

L200150038

Diketehui :

D : “LAT" binary : L : heksa 4C : 0100 1100

A : heksa 41 : 0100 0001

T : heksa 54 : 0101 0100

Jadi K : 24

P : “A” binary : 0100 0001 : 100 0001

Hitung : T?

Jawab:

T = 2n-k D+F

n-k +1

n-24+1 = 7

n =7+24-1

n = 30

n-k = 30-24 = 6

jadi R = 6 bit =xxxxxx

T = 26 D+R

64 = binary 1000000

R = 0100110001000001010101001000000 dalam perhitungan 0 di depan (dikiri) tidak digunakan.

Perhitungan :

100110101110101011111111

1000001 \_

0001101010

1000001 \_

01010110

1000001 \_

001011100

1000001 \_

001110100

1000001 \_

01101011

1000001 \_

01010100

1000001 \_

001010110

1000001 \_

001011110

1000001 \_

001111110

1000001 \_

01111110

1000001 \_

01111110

1000001 \_

01111110

1000001 \_

01111110

1000001 \_

01111110

1000001 \_

01111110

1000001 \_

01111110

1000001 \_

0111111 🡺R

Jadi 26D pada T = 010011000100000101010100111111