Mata Kuliah Jaringan Komputer

Dosen : Arief Prasetyo

Tugas

MEMBUAT 5 SOAL IPv4

oleh :

Nama   : Dhika Wahyu Nugroho

Kelas   : TI – 2B

No Urut   : 07

No HP   : 085336177029

email   : dhkcraft146@gmail.com

1. **Bagi 4 network berbeda dengan Alamat IP 178.132.142.10 /24 dari Host di bawah ini:**

   a. Network A : 21 Host

   b. Network B : 61 Host

   c. Network C : 24 Host

   d. Network D : 120 Host

   Jawaban :

   - **Network A : 120 host**

     Network ID   : 178.132.142.0 /25

     Subnet Mask   : 255.255.255.128

     First Host   : 178.132.142.1

     Last Host   : 178.132.142.126

     Broadcast   : 178.132.142.127

   - **Network B : 61 host**

     Network ID   : 178.132.142.128 /26

     Subnet Mask   : 255.255.255.192

     First Host   : 178.132.142.129

     Last Host   : 178.132.142.190

     Broadcast   : 178.132.142.191

   - **Network A : 21 host**

     Network ID   : 178.132.142.192 /27

     Subnet Mask   : 255.255.255.192

     First Host   : 178.132.142.193

     Last Host   : 178.132.142.222

     Broadcast   : 178.132.142.223

   - **Network D : 24 host**

     Network ID   : 178.132.142.224 /28

     Subnet Mask   : 255.255.255.255

     First Host   : 178.132.142.225

     Last Host   : 178.132.142.254

     Broadcast   : 178.132.142.255

2. **Host IP Address : 192.168.2.20 /28**

   Network ID   : 192.167.2.16 /28

   Subnet Mask   : 255.255.255.240

   First Host   : 192.168.2.17

   Last Host   : 192.168.2.30

   Broadcast   : 192.168.2.31

3. **Host IP Address : 10.20.30.40 /16**

   Network ID   : 10.20.0.0 /16

   Subnet Mask   : 255.255.0.0

   First Host   : 10.20.0.1

   Last Host   : 10.20.255.254

   Broadcast   : 10.20.255.255

4. **Host IP Address : 123.142.12.13 /23**

   Network ID   : 123.142.12.0 /23

   Subnet Mask   : 255.255.254.0

   First Host   : 123.142.12.1

   Last Host   : 123.142.13.254

   Broadcast   : 123.142.13.255

5. **Host IP Address : 14.23.1.30 /14**

   Network ID   : 14.20.0.0 /14

   Subnet Mask   : 255.252.0.0

   First Host   : 14.20.0.1

   Last Host   : 14.20.255.254

   Broadcast   : 14.23.255.255