Internet dan Aplikasinya TUGAS 1 : LAN dengan Kabel Ethernet



Oleh:

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A. MAC Address PC

Screenshot MAC Address

B. Percobaan 1

Langkah langkah

Screenshot/foto langkah langkah dari awal - ping

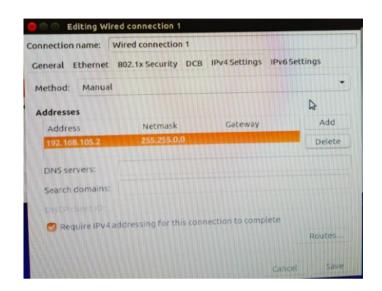


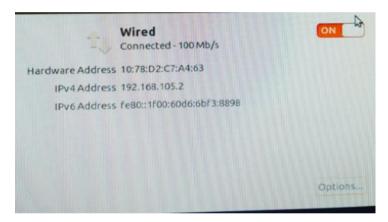


```
connect: Network is unreachable
| Jarkom@jarkom-C00:~
| Sping 192.168.0.1 | Joseph 192.168.0.1 | |
| PING 192.168.0.1 (192.168.0.1) | 56(84) | bytes of data. |
| Sping 192.168.0.1 (192.168.0.1) | 56(84) | bytes of data. |
| Sping 192.168.0.1 (192.168.0.1) | 56(84) | bytes of data. |
| Sping 192.168.0.1 (192.168.0.1) | 56(84) | bytes from 192.168.0.1 | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56(84) | 56
```

C. Percobaan 2

Langkah langkah Screenshot/foto langkah langkah dari awal - ping

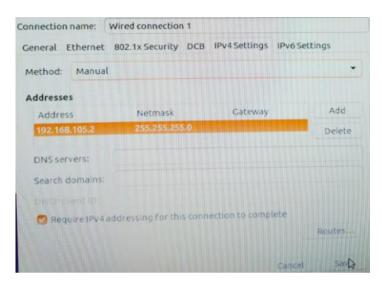




```
jarkon@jarkom-C00:-$ ping 192.168.93.1
PING 192.168.93.1 (192.168.93.1) 56(84) bytes of data.
64 bytes from 192.168.93.1: icmp_seq=1 ttl=64 time=0.328 ms
64 bytes from 192.168.93.1: icmp_seq=2 ttl=64 time=0.176 ms
64 bytes from 192.168.93.1: icmp_seq=3 ttl=64 time=0.199 ms
64 bytes from 192.168.93.1: icmp_seq=4 ttl=64 time=0.179 ms
64 bytes from 192.168.93.1: icmp_seq=5 ttl=64 time=0.169 ms
64 bytes from 192.168.93.1: icmp_seq=6 ttl=64 time=0.203 ms
64 bytes from 192.168.93.1: icmp_seq=6 ttl=64 time=0.203 ms
65 packets transmitted, 6 received, 6% packet loss, time 4999ms
66 packets transmitted, 6 received, 6% packet loss, time 4999ms
67 packets transmitted, 6 received, 6% packet loss, time 4999ms
68 packets transmitted, 6 received, 6% packet loss, time 4999ms
69 packets transmitted, 6 received, 6% packet loss, time 4999ms
69 packets transmitted, 6 received, 6% packet loss, time 4999ms
60 packets transmitted, 6 received, 6% packet loss, time 4999ms
61 packets transmitted, 6 received, 6% packet loss, time 4999ms
61 packets transmitted, 6 received, 6% packet loss, time 4999ms
62 packets transmitted, 6 received, 6% packet loss, time 4999ms
63 packets transmitted, 6 received, 6% packet loss, time 4999ms
64 packets transmitted, 6 received, 6% packet loss, time 4999ms
65 packets transmitted, 6 received, 6% packet loss, time 4999ms
66 packets transmitted, 6 received, 6% packet loss, time 4999ms
67 packets transmitted, 6 received, 6% packet loss, time 4999ms
68 packets transmitted, 6 received, 6% packet loss, time 4999ms
68 packets transmitted, 6 received, 6% packet loss, time 4999ms
69 packets transmitted, 6 received, 6% packet loss, time 4999ms
69 packets transmitted, 6 received, 6% packet loss, time 4999ms
60 packets transmitted, 6 received, 6% packet loss, time 4999ms
60 packets transmitted, 6 packet loss, time 4999ms
60 packet loss, time 4999ms
```

D. Percobaan 3

Langkah langkah Screenshot/foto langkah langkah dari awal - ping





```
jarkom@jarkom-C00:-$ ping 192.168.93.1 connect: Network is unreachable jarkom@jarkom-C00:-$ ping 192.168.93.1 connect: Network is unreachable jarkom@jarkom-C00:-$ 192.168.93.1 192.168.93.1: command not found jarkom@jarkom-C00:-$ ping 192.168.93.1 connect: Network is unreachable jarkom@jarkom-C00:-$ ping 192.168.93.1 connect: Network is unreachable
```

E. Kesimpulan

Kesimpulannya adalah masking/prefix berfungsi membedakan network id dengan host id menentukan alamat tujuan hingga pembagian segmen jaringan. Seperti percobaan soal nomor 2 dan 3 dengan musking/ prefik yang berbeda. Percobaan no 2 berhasil karena dua computer ini menggunakan prefik 16 dengan pembagian host id di nim yang berbeda dan network yang sama di bit sebelum nim, sedangkan percobaan no 3 dengan musking 24 hanya bisa satu network yang di ubah pada nim akhirnya netowrk mereka berbeda dan tidak bisa di ping.