Tugas Komunikasi Data QoS terhadap Traffic Jaringan Menggunakan Wireshark



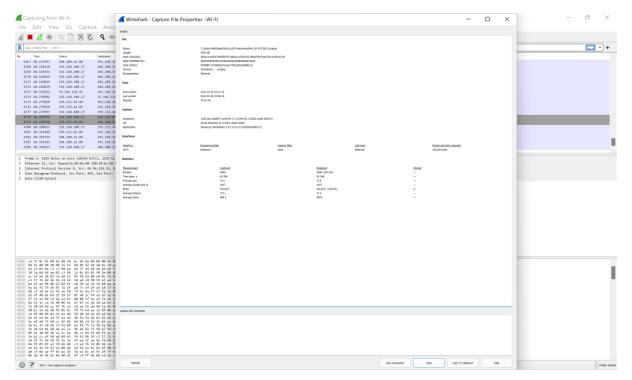
Muhammad Ikhlasul Amal 09011182025010

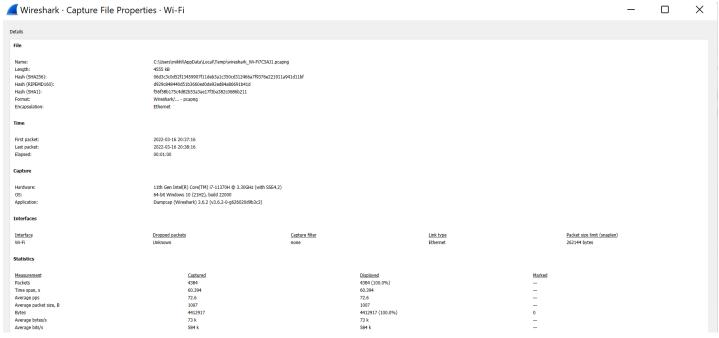
SK-4B

Dosen Pengampuh:

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Perhitungan QOS:

• Throughtput

Throughtput = Paket data yang diterima / lama pengamatan

= 4412917 / 60.394

= 73,06879822498924 Bytes

= 73,06879822498924 x 8

= 584,5503857999139 Bit

• Delay

```
Delay = Waktu kedua – waktu pertama

Delay paket 1 = 19.391466 - 19.391177

= 289 sec

Rata – rata delay = total delay / total paket yang diterima

= 60.394 / 4384

= 13,77600364963504 sec

= 13,77600364963504 x 1000

= 13.776,00364963504 ms
```

Packet Loss

```
Packet Loss = ( ( Paket data dikirim – paket data diterima) x 100%) / paket data yang dikirim ) 
= ( ( 4384 - 4384) x 100\% ) / 4384 ) 
= ( 0 /4384 ) 
= 0
```

Jitter

```
Jitter = Total Variasi Delay (Total Jitter) / (Total paket yang diterima -1) = 289 / (4384 - 1) = 289 / 4383 = 0,0659365731234314
```

- Link yang di pakai untuk analisis : https://www.youtube.com/watch?v=AmHsd9NG_fs&t=26s
- Link Github: https://github.com/ikhlasul?tab=repositories