

**LAPORAN
WORKSHOP KUALITAS PERANGKAT LUNAK
(TIF130705)
MINGGU 12
SEMESTER III**



NETWORK TESTING

**Kelompok:
B2**

Nama Anggota:

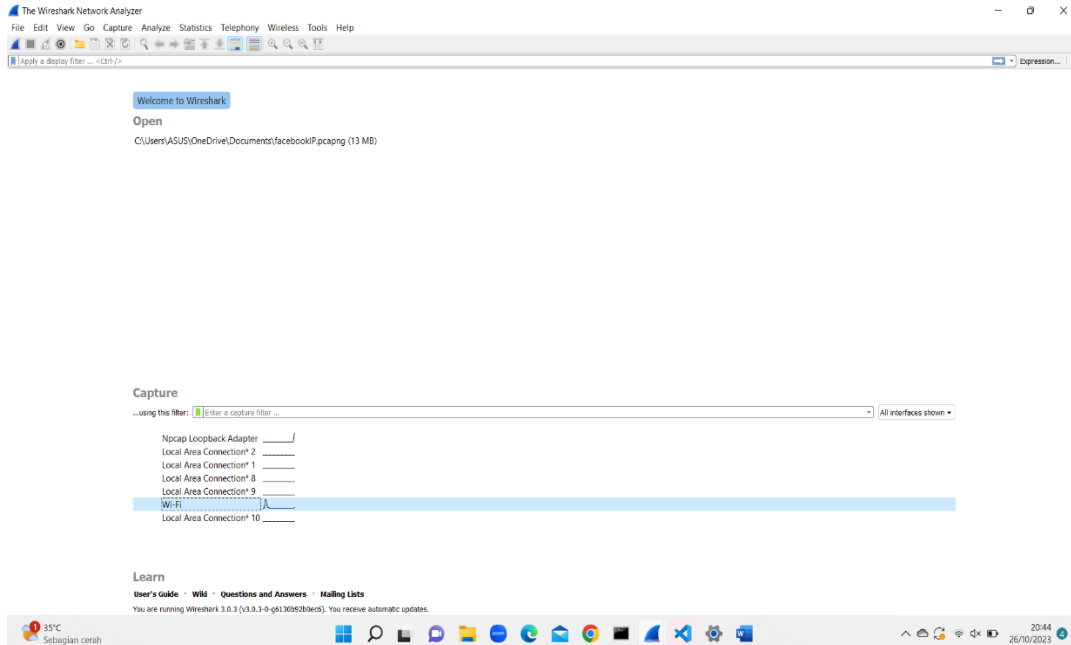
Prayoga Kusdiana Ikhsani	(E41221830)
Evi Chintiya	(E41221588)
Habib Dwi Febriansyah	(E41221920)
Rima Sazkya	(E41221954)
Suprianto	(E41221535)

**PROGRAM STUDI TEKNIK INFORMATIKA KAMPUS 3 NGANJUK
JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI JEMBER
TAHUN 2023**

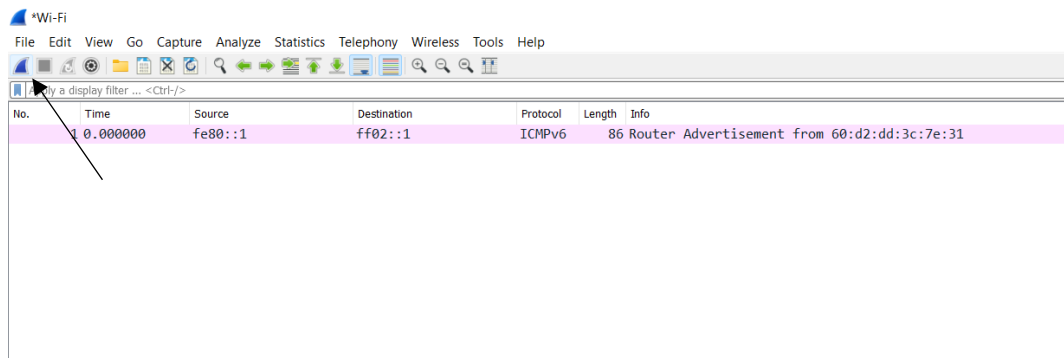
NETWORK TESTING

STUDY KASUS FACEBOOK

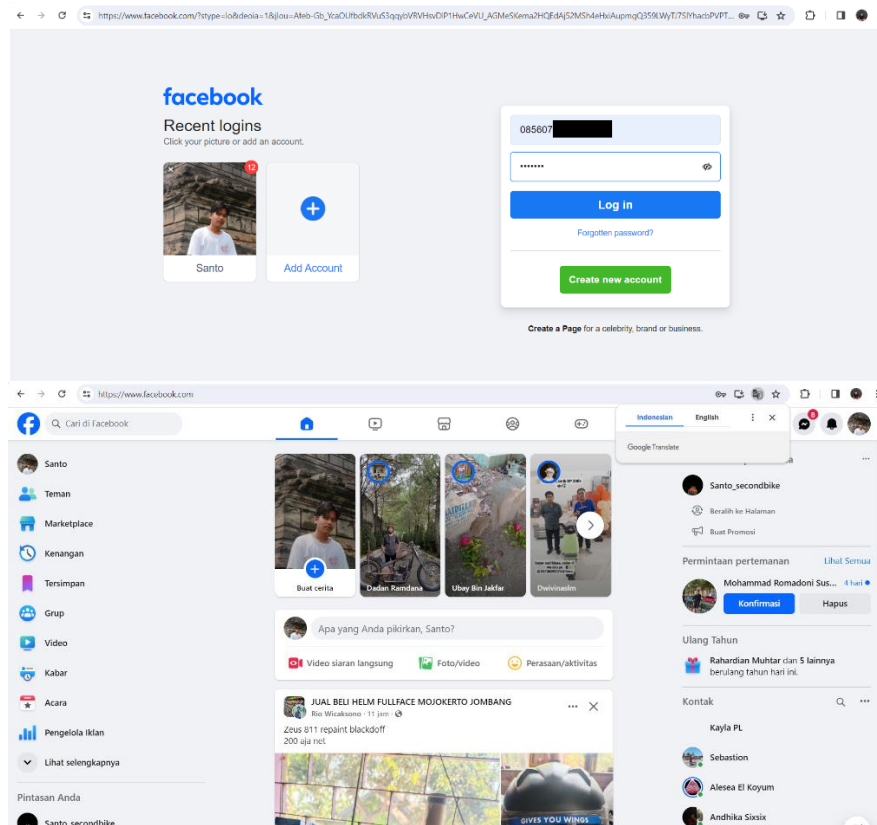
1. Pilih satu atau lebih jaringan yang ingin digunakan, buka menu bar, lalu pilih capture. Disini kami memilih jaringan wifi.



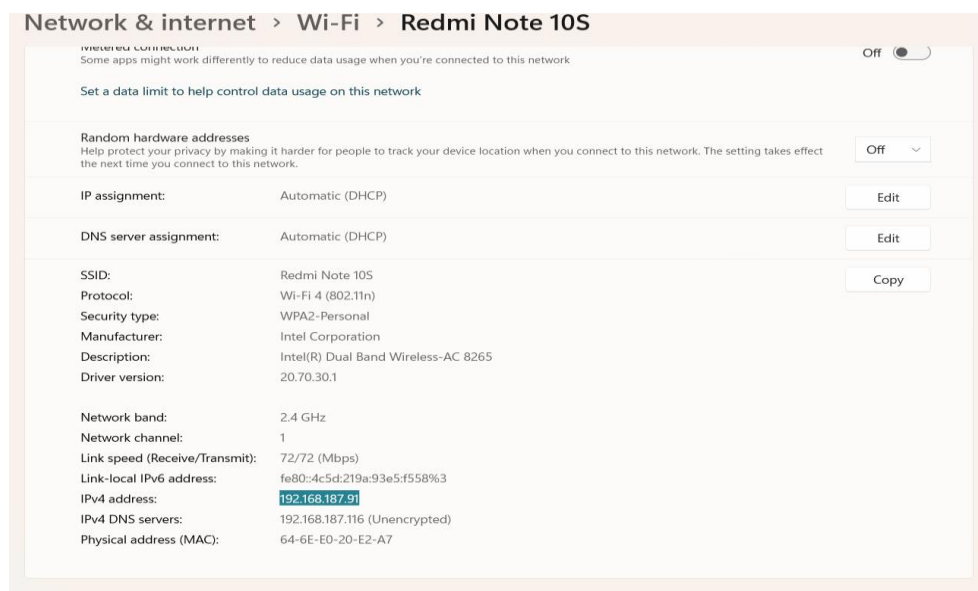
2. Lakukan aktifikasi start capturing packets dengan klik bagian pojok kiri atas



3. Setelah aktif maka pindah halaman ke google search pencarian halaman facebook lakukan login ke akun facebook terlebih dahulu. Lalu lakukan aktivitas seperti pencarian, like dan komentar di akun seseorang.



4. Kembali ke wireshark disini sudah terdapat proses pengiriman dan penerimaan data oleh facebook ke laptop. Facebook dengan IP **91.108.56.190** dan laptop dengan IP **192.168.187.91**



No.	Time	Source	Destination	Protocol	Length	Info
11	5.536026	192.168.187.91	91.108.56.190	SSL	399	Continuation Data
12	5.734513	91.108.56.190	192.168.187.91	TCP	54	443 → 61300 [ACK] Seq=1 Ack=346 Win=2316 Len=0
5556	39.416262	192.168.187.91	91.108.56.190	SSL	191	Continuation Data
5558	39.482450	91.108.56.190	192.168.187.91	TCP	54	443 → 61300 [ACK] Seq=1 Ack=483 Win=2350 Len=0
5559	39.482451	91.108.56.190	192.168.187.91	SSL	1294	Continuation Data
5560	39.484411	192.168.187.91	91.108.56.190	SSL	351	Continuation Data
5561	39.484766	91.108.56.190	192.168.187.91	SSL	534	Continuation Data
5563	39.529205	192.168.187.91	91.108.56.190	TCP	54	61300 → 443 [ACK] Seq=780 Ack=1721 Win=254 Len=0
5564	39.610521	91.108.56.190	192.168.187.91	TCP	54	443 → 61300 [ACK] Seq=1721 Ack=780 Win=2303 Len=0
5590	40.497214	192.168.187.91	91.108.56.190	SSL	431	Continuation Data
5592	40.550833	91.108.56.190	192.168.187.91	TCP	54	443 → 61300 [ACK] Seq=1721 Ack=1157 Win=2417 Len=0
5593	40.569215	91.108.56.190	192.168.187.91	SSL	866	Continuation Data
5595	40.637487	192.168.187.91	91.108.56.190	TCP	54	61300 → 443 [ACK] Seq=1157 Ack=2533 Win=256 Len=0
5596	50.551828	192.168.187.91	91.108.56.190	SSL	271	Continuation Data
5597	50.630321	91.108.56.190	192.168.187.91	SSL	1294	Continuation Data
5598	50.630322	91.108.56.190	192.168.187.91	SSL	275	Continuation Data
5599	50.630436	192.168.187.91	91.108.56.190	TCP	54	61300 → 443 [ACK] Seq=1374 Ack=3994 Win=256 Len=0
5560	50.631057	192.168.187.91	91.108.56.190	SSL	255	Continuation Data
5961	50.788111	91.108.56.190	192.168.187.91	TCP	54	443 → 61300 [ACK] Seq=3994 Ack=1575 Win=2484 Len=0
6058	77.228999	192.168.187.91	91.108.56.190	SSL	207	Continuation Data
6059	77.309529	91.108.56.190	192.168.187.91	TCP	54	443 → 61300 [ACK] Seq=3994 Ack=1728 Win=2517 Len=0
6060	77.309530	91.108.56.190	192.168.187.91	SSL	1294	Continuation Data
6061	77.309531	91.108.56.190	192.168.187.91	SSL	1279	Continuation Data
6062	77.309632	192.168.187.91	91.108.56.190	TCP	54	61300 → 443 [ACK] Seq=1728 Ack=6459 Win=256 Len=0
6063	77.310541	192.168.187.91	91.108.56.190	SSL	207	Continuation Data
6064	77.411439	91.108.56.190	192.168.187.91	SSL	527	Continuation Data
6065	77.463171	192.168.187.91	91.108.56.190	TCP	54	61300 → 443 [ACK] Seq=1961 Ack=6932 Win=254 Len=0
6070	78.323360	192.168.187.91	91.108.56.190	SSL	239	Continuation Data
6071	78.413399	91.108.56.190	192.168.187.91	SSL	866	Continuation Data
6072	78.423189	91.108.56.190	192.168.187.91	SSL	1234	Continuation Data
6073	78.423269	192.168.187.91	91.108.56.190	TCP	54	61300 → 443 [ACK] Seq=2146 Ack=8924 Win=256 Len=0
6092	88.416505	192.168.187.91	91.108.56.190	SSL	159	Continuation Data
6093	88.497418	91.108.56.190	192.168.187.91	SSL	994	Continuation Data
6094	88.498048	192.168.187.91	91.108.56.190	SSL	367	Continuation Data
6095	88.676098	91.108.56.190	192.168.187.91	TCP	54	443 → 61300 [ACK] Seq=9864 Ack=2564 Win=2618 Len=0
6096	89.510825	192.168.187.91	91.108.56.190	SSL	277	Continuation Data
6097	89.569259	91.108.56.190	192.168.187.91	TCP	54	443 → 61300 [ACK] Seq=9864 Ack=2781 Win=2651 Len=0
6098	89.585407	91.108.56.190	192.168.187.91	SSL	1026	Continuation Data
6099	89.636160	192.168.187.91	91.108.56.190	TCP	54	61300 → 443 [ACK] Seq=2781 Ack=10836 Win=256 Len=0
6180	99.571831	192.168.187.91	91.108.56.190	SSL	367	Continuation Data
6181	99.639912	91.108.56.190	192.168.187.91	SSL	463	Continuation Data
6182	99.640407	192.168.187.91	91.108.56.190	SSL	271	Continuation Data
6183	99.731125	91.108.56.190	192.168.187.91	TCP	54	443 → 61300 [ACK] Seq=11245 Ack=3311 Win=2718 Len=0
6212	112.447463	91.108.56.190	192.168.187.91	SSL	994	Continuation Data
6213	112.468534	192.168.187.91	91.108.56.190	SSL	511	Continuation Data
6214	112.527641	91.108.56.190	192.168.187.91	TCP	54	443 → 61300 [ACK] Seq=12185 Ack=3768 Win=2752 Len=0
6215	112.528095	91.108.56.190	192.168.187.91	SSL	207	Continuation Data
6216	112.569602	192.168.187.91	91.108.56.190	TCP	54	61300 → 443 [ACK] Seq=3768 Ack=12338 Win=256 Len=0
6217	112.581544	91.108.56.190	192.168.187.91	SSL	626	Continuation Data
6218	112.632376	192.168.187.91	91.108.56.190	TCP	54	61300 → 443 [ACK] Seq=3768 Ack=12910 Win=253 Len=0
6244	122.567221	192.168.187.91	91.108.56.190	SSL	143	Continuation Data
6247	122.672258	91.108.56.190	192.168.187.91	TCP	54	443 → 61300 [ACK] Seq=12910 Ack=3857 Win=2752 Len=0
6290	134.143528	91.108.56.190	192.168.187.91	SSL	1294	Continuation Data
6291	134.143529	91.108.56.190	192.168.187.91	SSL	879	Continuation Data
6292	134.143625	192.168.187.91	91.108.56.190	TCP	54	61300 → 443 [ACK] Seq=3857 Ack=14075 Win=256 Len=0
6293	134.144271	192.168.187.91	91.108.56.190	SSL	303	Continuation Data
6294	134.201822	91.108.56.190	192.168.187.91	TCP	54	443 → 61300 [ACK] Seq=14975 Ack=4106 Win=2785 Len=0
6319	144.147812	192.168.187.91	91.108.56.190	SSL	159	Continuation Data
6320	144.210740	91.108.56.190	192.168.187.91	TCP	54	443 → 61300 [ACK] Seq=14975 Ack=4211 Win=2785 Len=0
6321	144.212072	91.108.56.190	192.168.187.91	SSL	143	Continuation Data
6322	144.272392	192.168.187.91	91.108.56.190	TCP	54	61300 → 443 [ACK] Seq=4211 Ack=15064 Win=256 Len=0
6512	189.147256	192.168.187.91	91.108.56.190	SSL	319	Continuation Data
6514	189.212487	91.108.56.190	192.168.187.91	SSL	1294	Continuation Data
6515	189.212488	91.108.56.190	192.168.187.91	SSL	1294	Continuation Data
6516	189.212489	91.108.56.190	192.168.187.91	SSL	1294	Continuation Data
6517	189.212490	91.108.56.190	192.168.187.91	SSL	350	Continuation Data
6518	189.212653	192.168.187.91	91.108.56.190	TCP	54	61300 → 443 [ACK] Seq=4476 Ack=19080 Win=256 Len=0
6519	189.213495	192.168.187.91	91.108.56.190	SSL	399	Continuation Data
6520	189.335346	91.108.56.190	192.168.187.91	TCP	54	443 → 61300 [ACK] Seq=19080 Ack=4021 Win=2852 Len=0
6521	189.335453	192.168.187.91	91.108.56.190	SSL	207	Continuation Data
6523	189.404266	91.108.56.190	192.168.187.91	TCP	54	443 → 61300 [ACK] Seq=19080 Ack=4974 Win=2886 Len=0
6525	189.451534	91.108.56.190	192.168.187.91	SSL	994	Continuation Data
6527	189.504060	192.168.187.91	91.108.56.190	TCP	54	61300 → 443 [ACK] Seq=4974 Ack=20020 Win=253 Len=0
6567	199.464581	192.168.187.91	91.108.56.190	SSL	319	Continuation Data
6568	199.524009	91.108.56.190	192.168.187.91	TCP	54	443 → 61300 [ACK] Seq=20020 Ack=5239 Win=2919 Len=0
6569	199.524811	91.108.56.190	192.168.187.91	SSL	754	Continuation Data
6570	199.526733	192.168.187.91	91.108.56.190	SSL	319	Continuation Data
6571	199.619310	91.108.56.190	192.168.187.91	SSL	1026	Continuation Data

Pada dasar jaringan wifi yang telah dicapture tersebut seperti gambar diatas

5. Dari capture gambar diatas dapat memberikan informasi Alamat IP berikut :

No.	Time	Source	Destination	Protocol	Length	Info
4	0.535895	192.168.1.43	31.13.95.56	TLSv1.2	123	Application Data
5	0.553868	31.13.95.56	192.168.1.43	TCP	54	443 → 53095 [ACK] Seq=1 Ack=70 Win=282 Len=0
6	0.801097	31.13.95.56	192.168.1.43	TLSv1.2	125	Application Data
7	0.848994	192.168.1.43	31.13.95.56	TCP	54	53095 → 443 [ACK] Seq=70 Ack=72 Win=261 Len=0

6. Hasil pencarian Wireshark

