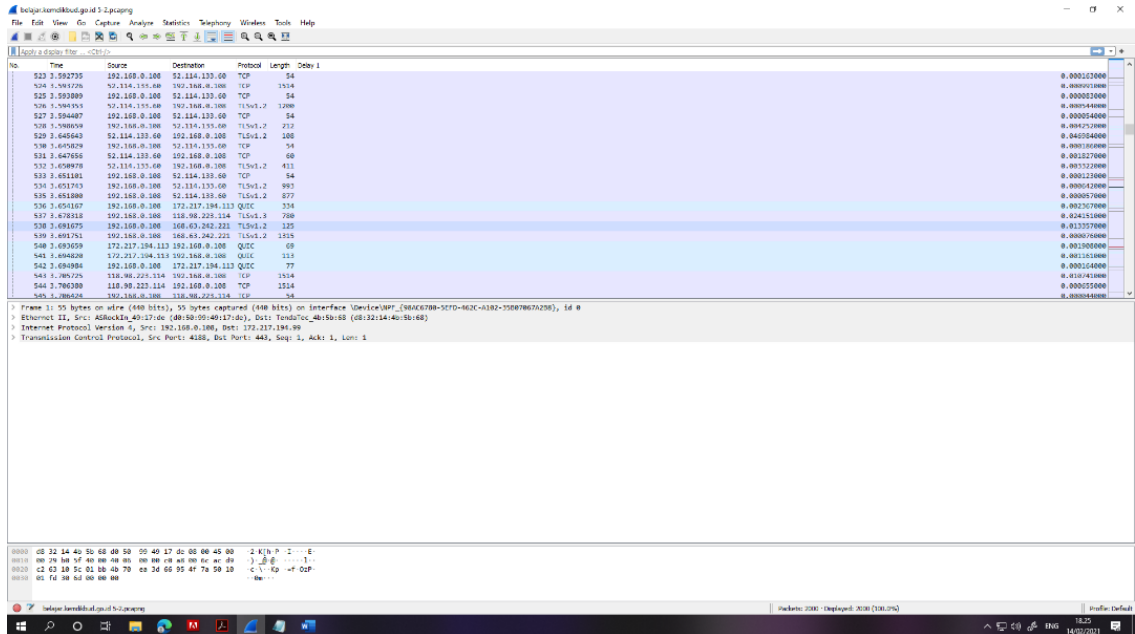
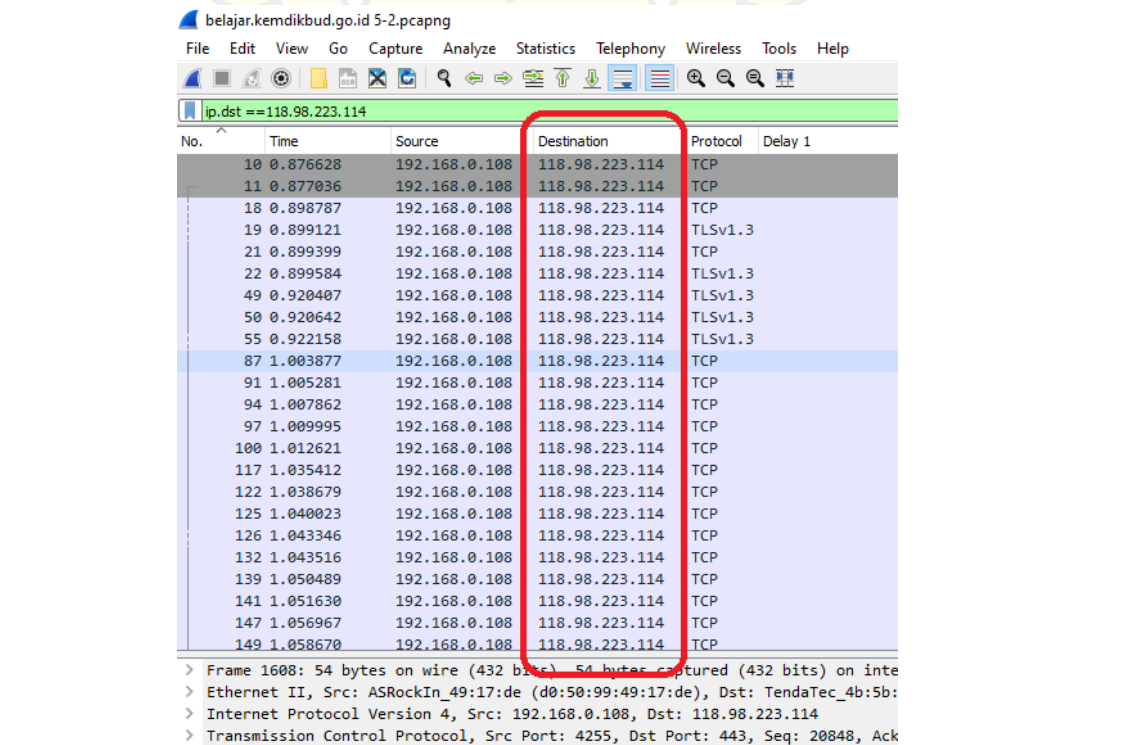


LAMPIRAN

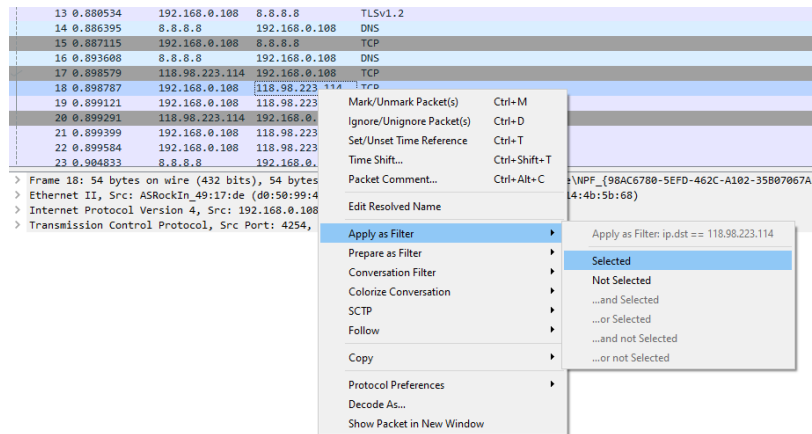
Lampiran 1. Tampilan paket data yang tercapture oleh Wireshark



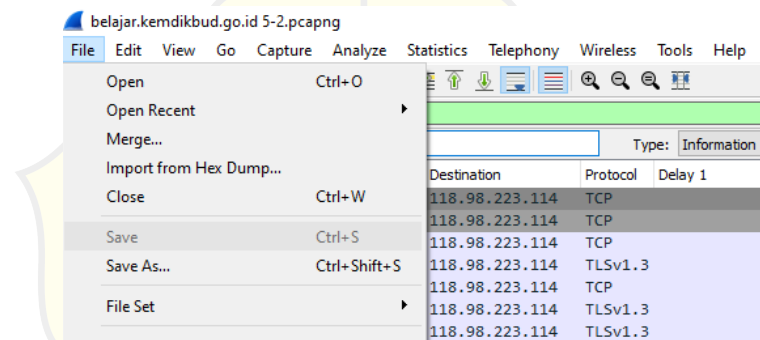
Lampiran 2. Tampilan filter paket IP tujuan



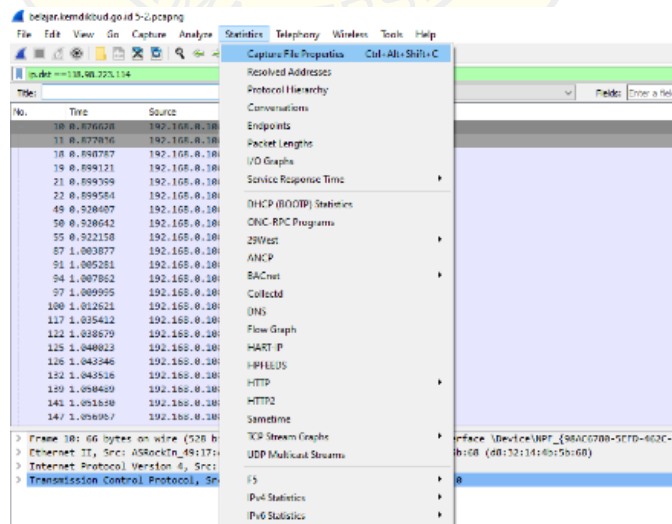
Lampiran 3. Cara lain memfilter paket IP tujuan



Lampiran 4. Menyimpan file hasil capture



Lampiran 5. Membuka capture file properties



Lampiran 9. Data total dan rata-rata delay

J	A	B	C	D	E	F	G	H
281	1785	14.41875	192.168.0.118.98.22:TLSv1.3			780	0.179796	
282	1790	14.4515	192.168.0.118.98.22:TCP			54	0.032753	
283	1794	14.45357	192.168.0.118.98.22:TCP			54	0.002069	
284	1835	14.98406	192.168.0.118.98.22:TLSv1.3			827	0.534862	
285	1844	15.02769	192.168.0.118.98.22:TCP			54	0.043632	
286	1847	15.02975	192.168.0.118.98.22:TCP			54	0.002058	
287	1850	15.03198	192.168.0.118.98.22:TCP			54	0.002231	
288	1853	15.03432	192.168.0.118.98.22:TCP			54	0.002342	
289	1857	15.03689	192.168.0.118.98.22:TCP			54	0.002574	
290	1870	15.06452	192.168.0.118.98.22:TCP			54	0.027624	
291	1873	15.06655	192.168.0.118.98.22:TCP			54	0.002031	
292	1877	15.06941	192.168.0.118.98.22:TCP			54	0.002858	
293	1879	15.07094	192.168.0.118.98.22:TCP			54	0.001533	
294	1882	15.07317	192.168.0.118.98.22:TCP			54	0.002233	
295	1885	15.0755	192.168.0.118.98.22:TCP			54	0.002132	
296	1888	15.07763	192.168.0.118.98.22:TCP			54	0.00233	
297	1895	15.0841	192.168.0.118.98.22:TCP			54	0.006464	
298	1907	15.09312	192.168.0.118.98.22:TCP			54	0.009022	
299	1921	15.25747	192.168.0.118.98.22:TLSv1.3			781	0.164349	
300	1928	15.28069	192.168.0.118.98.22:TCP			54	0.023224	
301	1932	15.2829	192.168.0.118.98.22:TCP			54	0.002205	
302	1947	15.94153	192.168.0.118.98.22:TLSv1.3			828	0.658637	
303	1955	15.98581	192.168.0.118.98.22:TCP			54	0.044278	
304	1958	15.98791	192.168.0.118.98.22:TCP			54	0.0021	
305	1963	15.99238	192.168.0.118.98.22:TCP			54	0.004469	
306	1967	15.99466	192.168.0.118.98.22:TCP			54	0.002278	
307	1978	16.00971	192.168.0.118.98.22:TCP			54	0.015053	
308	1984	16.01466	192.168.0.118.98.22:TCP			54	0.004945	
309	1986	16.0157	192.168.0.118.98.22:TCP			54	0.001039	
310	1989	16.01775	192.168.0.118.98.22:TCP			54	0.002057	
311	1992	16.0205	192.168.0.118.98.22:TCP			54	0.002743	
312	1997	16.0226	192.168.0.118.98.22:TCP			54	0.002108	
313	1999	16.02468	192.168.0.118.98.22:TCP			54	0.002076	
314								
315							Total delay	15.14805
316							Rata2 delay	0.048551

Lampiran 10. Membuat kolom delay 2

J	A	B	C	D	E	F	G	H
1	No.	Time	Source	Destinatic Protocol	Length	Delay 1	Delay 2	
2	10	0.876628	192.168.0.118.98.22:TCP		66	0	0.000408	
3	11	0.877036	192.168.0.118.98.22:TCP		66	0.000408	0.021751	
4	18	0.898787	192.168.0.118.98.22:TCP		54	0.021751	0.000334	
5	19	0.899121	192.168.0.118.98.22:TLSv1.3		571	0.000334	0.000278	
6	21	0.899399	192.168.0.118.98.22:TCP		54	0.000278	0.000185	
7	22	0.899584	192.168.0.118.98.22:TLSv1.3		571	0.000185	0.020823	
8	49	0.920407	192.168.0.118.98.22:TLSv1.3		118	0.020823	0.000235	
9	50	0.920642	192.168.0.118.98.22:TLSv1.3		820	0.000235	0.001516	
10	55	0.922158	192.168.0.118.98.22:TLSv1.3		118	0.001516	0.081719	
11	87	1.003877	192.168.0.118.98.22:TCP		54	0.081719	0.001404	
12	91	1.005281	192.168.0.118.98.22:TCP		54	0.001404	0.002581	
13	94	1.007862	192.168.0.118.98.22:TCP		54	0.002581	0.002133	
14	97	1.009995	192.168.0.118.98.22:TCP		54	0.002133	0.002626	
15	100	1.012621	192.168.0.118.98.22:TCP		54	0.002626	0.022791	
16	117	1.035412	192.168.0.118.98.22:TCP		54	0.022791	0.003267	
17	122	1.038679	192.168.0.118.98.22:TCP		54	0.003267	0.001344	
18	125	1.040023	192.168.0.118.98.22:TCP		54	0.001344	0.003323	
19	126	1.043346	192.168.0.118.98.22:TCP		54	0.003323	0.00017	
20	132	1.043516	192.168.0.118.98.22:TCP		54	0.00017	0.006973	
21	139	1.050489	192.168.0.118.98.22:TCP		54	0.006973	0.001141	
22	141	1.05163	192.168.0.118.98.22:TCP		54	0.001141	0.005337	
23	147	1.056967	192.168.0.118.98.22:TCP		54	0.005337	0.001703	
24	149	1.05867	192.168.0.118.98.22:TCP		54	0.001703	0.002299	
25	152	1.060969	192.168.0.118.98.22:TCP		54	0.002299	0.005332	
26	159	1.066301	192.168.0.118.98.22:TCP		54	0.005332	0.274866	
27	179	1.341167	192.168.0.118.98.22:TLSv1.3		781	0.274866	0.026354	
28	187	1.367521	192.168.0.118.98.22:TCP		54	0.026354	0.002613	
29	190	1.370134	192.168.0.118.98.22:TCP		54	0.002613	0.532913	
30	252	1.903047	192.168.0.118.98.22:TLSv1.3		827	0.532913	0.065327	

Lampiran 11. Membuat kolom jitter

J	A	B	C	D	E	F	G	H	I
1	No.	Time	Source	Destinatic Protocol	Length	Delay 1	Delay 2	Jitter	
2	10	0.876628	192.168.0.118.98.22:TCP		66	0	0.000408	0.000408	
3	11	0.877036	192.168.0.118.98.22:TCP		66	0.000408	0.021751	0.021343	
4	18	0.898787	192.168.0.118.98.22:TCP		54	0.021751	0.000334	-0.02142	
5	19	0.899121	192.168.0.118.98.22:TLSv1.3		571	0.000334	0.000278	-5.6E-05	
6	21	0.899399	192.168.0.118.98.22:TCP		54	0.000278	0.000185	-9.3E-05	
7	22	0.899584	192.168.0.118.98.22:TLSv1.3		571	0.000185	0.020823	0.020638	
8	49	0.920407	192.168.0.118.98.22:TLSv1.3		118	0.020823	0.000235	-0.02059	
9	50	0.920642	192.168.0.118.98.22:TLSv1.3		820	0.000235	0.001516	0.001281	
10	55	0.922158	192.168.0.118.98.22:TLSv1.3		118	0.001516	0.081719	0.080203	
11	87	1.003877	192.168.0.118.98.22:TCP		54	0.081719	0.001404	-0.08032	
12	91	1.005281	192.168.0.118.98.22:TCP		54	0.001404	0.002581	0.001177	
13	94	1.007862	192.168.0.118.98.22:TCP		54	0.002581	0.002133	-0.00045	
14	97	1.009995	192.168.0.118.98.22:TCP		54	0.002133	0.002626	0.000493	
15	100	1.012621	192.168.0.118.98.22:TCP		54	0.002626	0.022791	0.020165	
16	117	1.035412	192.168.0.118.98.22:TCP		54	0.022791	0.003267	-0.01952	
17	122	1.038679	192.168.0.118.98.22:TCP		54	0.003267	0.001344	-0.00192	
18	125	1.040023	192.168.0.118.98.22:TCP		54	0.001344	0.003323	0.001979	
19	126	1.043346	192.168.0.118.98.22:TCP		54	0.003323	0.00017	-0.00315	
20	132	1.043516	192.168.0.118.98.22:TCP		54	0.00017	0.006973	0.006803	
21	139	1.050489	192.168.0.118.98.22:TCP		54	0.006973	0.001141	-0.00583	
22	141	1.05163	192.168.0.118.98.22:TCP		54	0.001141	0.005337	0.004196	
23	147	1.056967	192.168.0.118.98.22:TCP		54	0.005337	0.001703	-0.00363	
24	149	1.05867	192.168.0.118.98.22:TCP		54	0.001703	0.002299	0.000596	
25	152	1.060969	192.168.0.118.98.22:TCP		54	0.002299	0.005332	0.003033	
26	159	1.066301	192.168.0.118.98.22:TCP		54	0.005332	0.274866	0.269334	
27	179	1.341167	192.168.0.118.98.22:TLSv1.3		781	0.274866	0.026354	-0.24851	
28	187	1.367521	192.168.0.118.98.22:TCP		54	0.026354	0.002613	-0.02374	
29	190	1.370134	192.168.0.118.98.22:TCP		54	0.002613	0.532913	0.5303	
30	252	1.903047	192.168.0.118.98.22:TLSv1.3		827	0.532913	0.065327	-0.46759	

Lampiran 12. Data total dan rata-rata *jitter*

304	1958	15.98791	192.168.0	118.98.22	TCP	54	0.0021	0.004469	0.002369	
305	1963	15.99238	192.168.0	118.98.22	TCP	54	0.004469	0.002278	-0.002191	
306	1967	15.99466	192.168.0	118.98.22	TCP	54	0.002278	0.015053	0.012775	
307	1978	16.00971	192.168.0	118.98.22	TCP	54	0.015053	0.004945	-0.010108	
308	1984	16.01466	192.168.0	118.98.22	TCP	54	0.004945	0.001039	-0.003906	
309	1986	16.0157	192.168.0	118.98.22	TCP	54	0.001039	0.002057	0.001018	
310	1989	16.01775	192.168.0	118.98.22	TCP	54	0.002057	0.002743	0.000686	
311	1992	16.0205	192.168.0	118.98.22	TCP	54	0.002743	0.002108	-0.000635	
312	1997	16.0226	192.168.0	118.98.22	TCP	54	0.002108	0.002076	-3.2E-05	
313	1999	16.02468	192.168.0	118.98.22	TCP	54	0.002076			
314										
315							Total delay	15.14805	Total jitter	0.002076
316							Rata2 delay	0.048551	Rata2 jitter	6.67524E-06
317										

