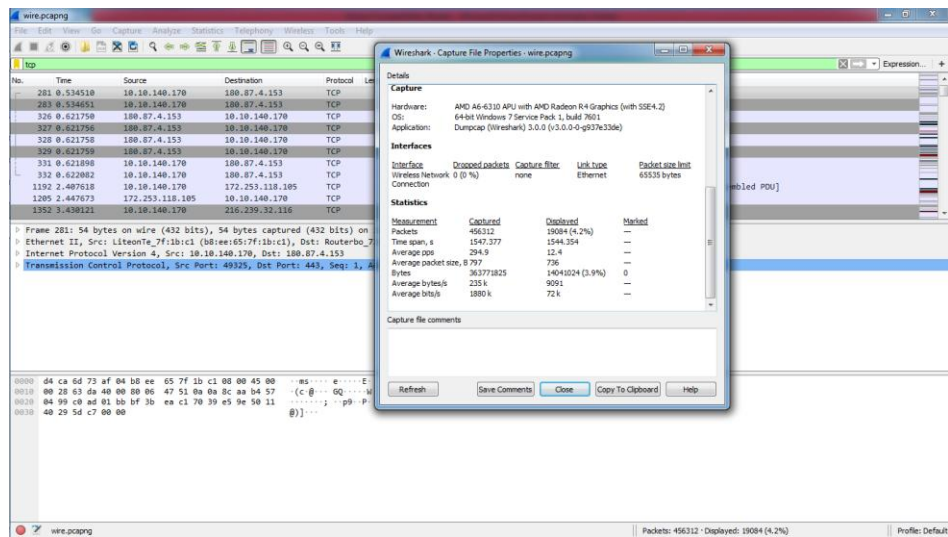


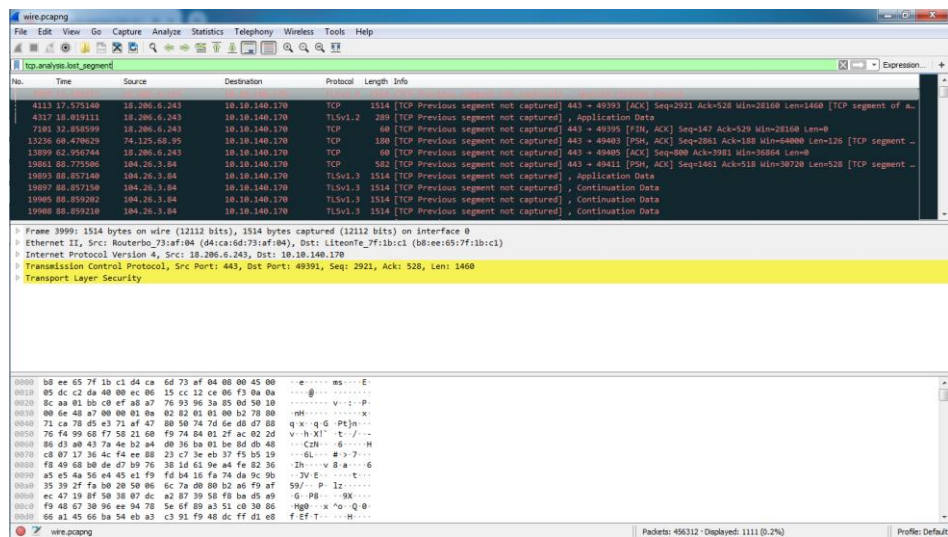
## 1.1 LISTING

Hari Aktif

- Student Lounge Tahap 1



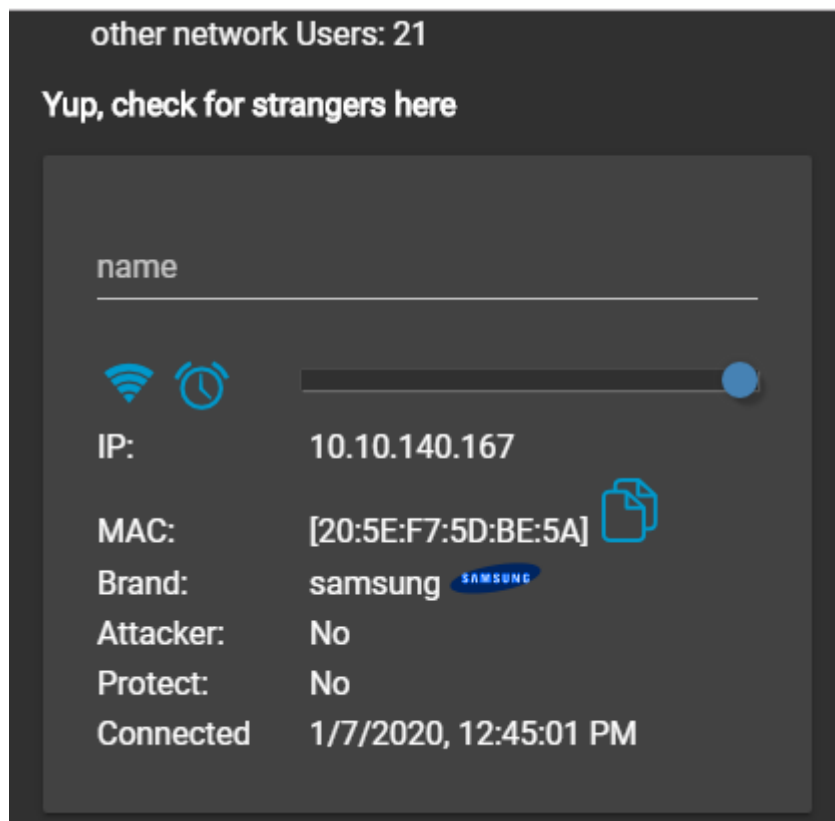
Gambar 4. 1 Hasil Capture Data Student Lounge



Gambar 4. 2 Hasil Capture Data Packet Loss Student Lounge

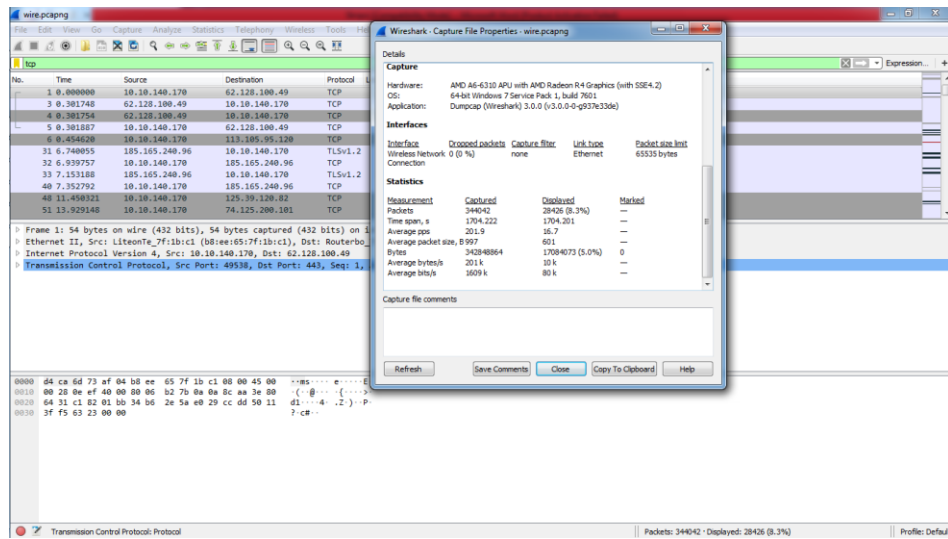
No.	Time	time 2	time 1	delay	total delay	rata delay	delay 2	delay 1	jitter	total jitter	rata jitter
281	0.53451	0.534651	0.53451	0.000141	1544.354	0.003384	0.087099	0.000141	0.086958	0.199644	4.38E-07
283	0.534651	0.62175	0.534651	0.087099			6.00E-06	0.087099	-0.08709		
326	0.62175	0.621756	0.62175	6.00E-06			2.00E-06	6.00E-06	-4.00E-06		
327	0.621756	0.621758	0.621756	2.00E-06			1.00E-06	2.00E-06	-1.00E-06		
328	0.621758	0.621759	0.621758	1.00E-06			0.000139	1.00E-06	0.000138		
329	0.621759	0.621898	0.621759	0.000139			0.000184	0.000139	4.50E-05		
331	0.621898	0.622082	0.621898	0.000184			1.785536	0.000184	1.785352		
332	0.622082	2.407618	0.622082	1.785536			0.040055	1.785536	-1.74548		
1192	2.407618	2.447673	2.407618	0.040055			0.982448	0.040055	0.942393		
1205	2.447673	3.430121	2.447673	0.982448			0.031495	0.982448	-0.95095		
1352	3.430121	3.461616	3.430121	0.031495			0.000284	0.031495	-0.03121		
1355	3.461616	3.4619	3.461616	0.000284			0.017738	0.000284	0.017454		
1356	3.4619	3.479638	3.4619	0.017738			0.031049	0.017738	0.013311		
1363	3.479638	3.510687	3.479638	0.031049			0.001151	0.031049	-0.0299		
1367	3.510687	3.511838	3.510687	0.001151			6.00E-06	0.001151	-0.00115		
1368	3.511838	3.511844	3.511838	6.00E-06			2.00E-06	6.00E-06	-4.00E-06		
1369	3.511844	3.511846	3.511844	2.00E-06			0.0123	2.00E-06	0.012298		
1370	3.511846	3.524146	3.511846	0.0123			0.012901	0.0123	0.000601		
1371	3.524146	3.537047	3.524146	0.012901			0.01368	0.012901	0.000779		
1372	3.537047	3.550727	3.537047	0.01368			6.00E-06	0.01368	-0.01367		
1373	3.550727	3.550733	3.550727	6.00E-06			0.047845	6.00E-06	0.047839		
1374	3.550733	3.598578	3.550733	0.047845			0.000184	0.047845	-0.04766		
1375	3.598578	3.598762	3.598578	0.000184			0.000915	0.000184	0.000731		
1376	3.598762	3.599677	3.598762	0.000915			0.013194	0.000915	0.012279		
1377	3.599677	3.612871	3.599677	0.013194			0.000197	0.013194	-0.013		
1378	3.612871	3.613068	3.612871	0.000197			0.049553	0.000197	0.049356		

Gambar 4. 3 Proses Penghitungan Delay dan Jitter Student Lounge

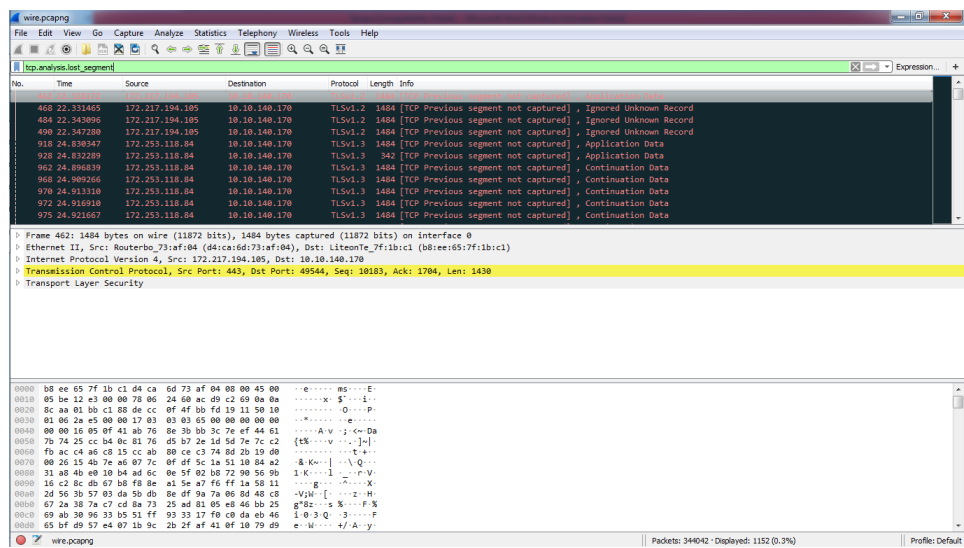


Gambar 4. 4 Jumlah User Student Lounge

- Student Lounge Tahap 2



Gambar 4. 5 Hasil Capture Data Student Lounge

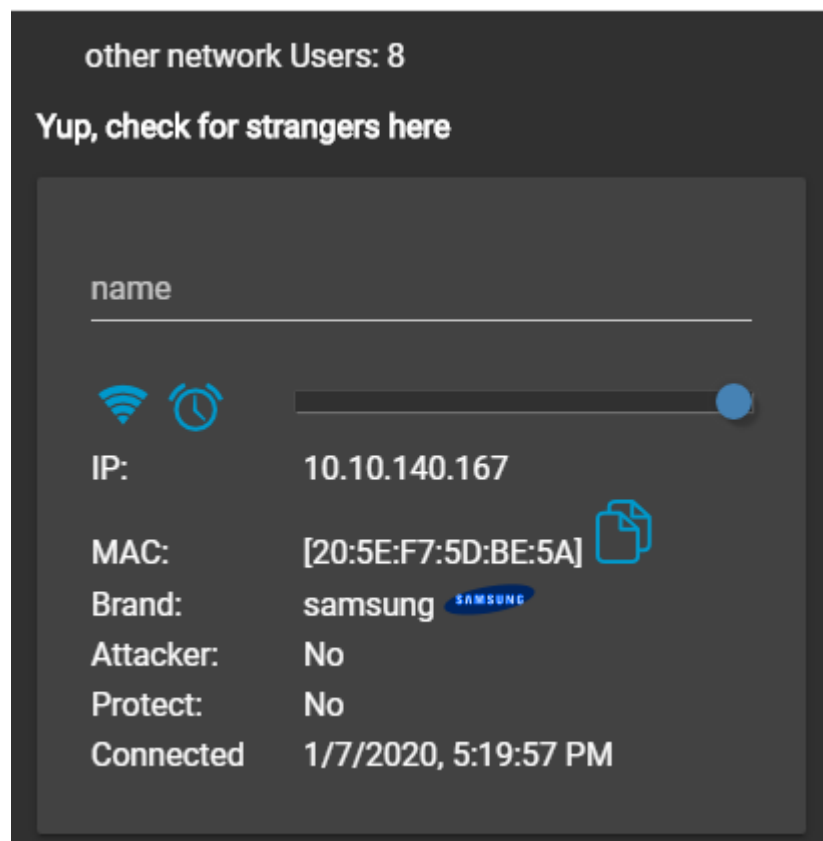


Gambar 4. 6 Hasil Capture Data Packet Loss Student Lounge

The screenshot shows a Microsoft Excel spreadsheet with the following data columns: No., Time, time 2, time 1, delay, total delay, rata delay, delay 2, delay 1, jitter, total jitter, rata jitter. The data rows contain numerical values for each of these metrics across 27 rows.

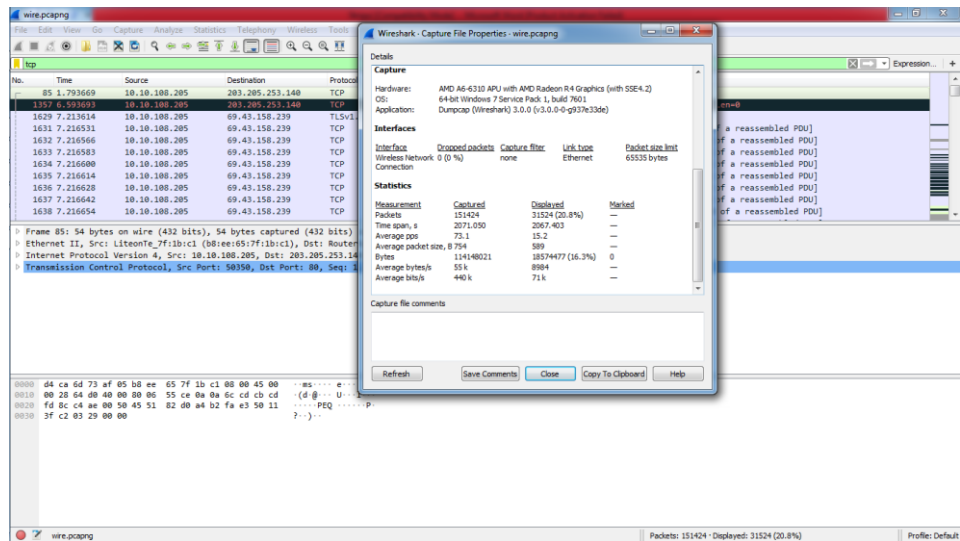
No.	Time	time 2	time 1	delay	total delay	rata delay	delay 2	delay 1	jitter	total jitter	rata jitter
1	0	0.301748	0	0.301748	1784.201	0.004953	6.00E-06	0.301748	-0.30174	2.075236	6.03E-06
3	0.301748	0.301754	0.301748	6.00E-06			0.000133	6.00E-06	0.000127		
4	0.301754	0.301887	0.301754	0.000133			0.152733	0.000133	0.1526		
5	0.301887	0.45462	0.301887	0.152733			6.285435	0.152733	6.132702		
6	0.45462	6.740055	0.45462	6.285435			0.199702	6.285435	-6.08573		
31	6.740055	6.939757	6.740055	0.199702			0.213431	0.199702	0.013729		
32	6.939757	7.153188	6.939757	0.213431			0.199604	0.213431	-0.01383		
33	7.153188	7.352792	7.153188	0.199604			4.097529	0.199604	3.897925		
40	7.352792	11.45032	7.352792	4.097529			2.478827	4.097529	-1.61887		
48	11.45032	13.92915	11.45032	2.478827			0.028098	2.478827	-2.45073		
51	13.92915	13.95725	13.92915	0.028098			0.000247	0.028098	-0.02785		
52	13.95725	13.95749	13.95725	0.000247			0.012166	0.000247	0.011919		
53	13.95749	13.96966	13.95749	0.012166			0.02826	0.012166	0.016094		
54	13.96966	13.99792	13.96966	0.02826			7.00E-06	0.02826	-0.02825		
55	13.99792	13.99793	13.99792	7.00E-06			0.003348	7.00E-06	0.003341		
56	13.99793	14.00127	13.99793	0.003348			0.000301	0.003348	-0.00305		
57	14.00127	14.00158	14.00127	0.000301			0.000286	0.000301	-1.50E-05		
58	14.00158	14.00186	14.00158	0.000286			0.026315	0.000286	0.026029		
59	14.00186	14.02818	14.00186	0.026315			8.00E-06	0.026315	-0.02631		
60	14.02818	14.02818	14.02818	8.00E-06			1.00E-06	8.00E-06	-7.00E-06		
61	14.02818	14.02819	14.02818	1.00E-06			0.001072	1.00E-06	0.001071		
62	14.02819	14.02926	14.02819	0.001072			8.00E-06	0.001072	-0.00106		
63	14.02926	14.02927	14.02926	8.00E-06			2.00E-06	8.00E-06	-6.00E-06		
64	14.02927	14.02927	14.02927	2.00E-06			0.000192	2.00E-06	0.00019		
65	14.02927	14.02946	14.02927	0.000192			0.000179	0.000192	-1.30E-05		
66	14.02946	14.02964	14.02946	0.000179			0.000244	0.000179	6.50E-05		

Gambar 4. 7 Proses Penghitungan Delay dan Jitter Student Lounge

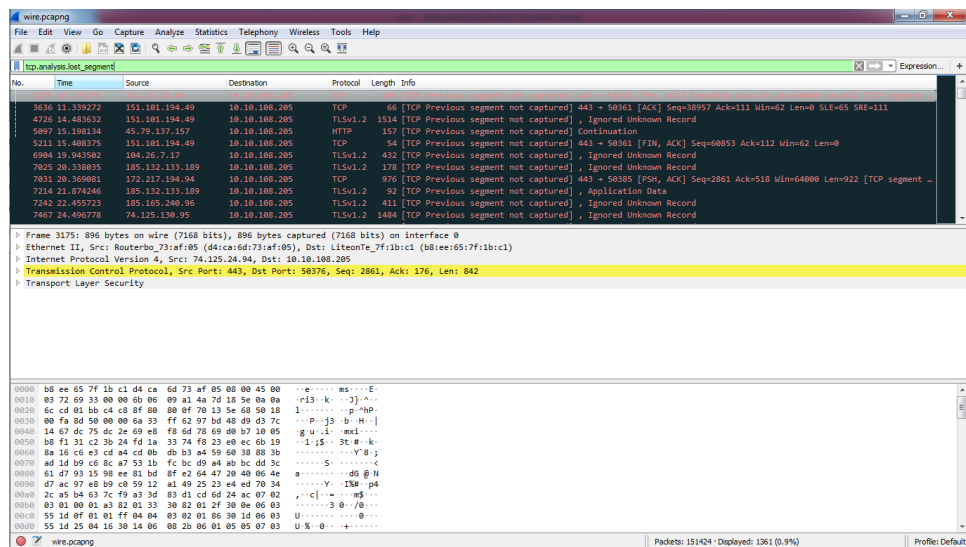


Gambar 4. 8 Jumlah User Student Lounge

- U 2.3 Tahap 1



Gambar 4. 9 Hasil Capture Data U 2.3

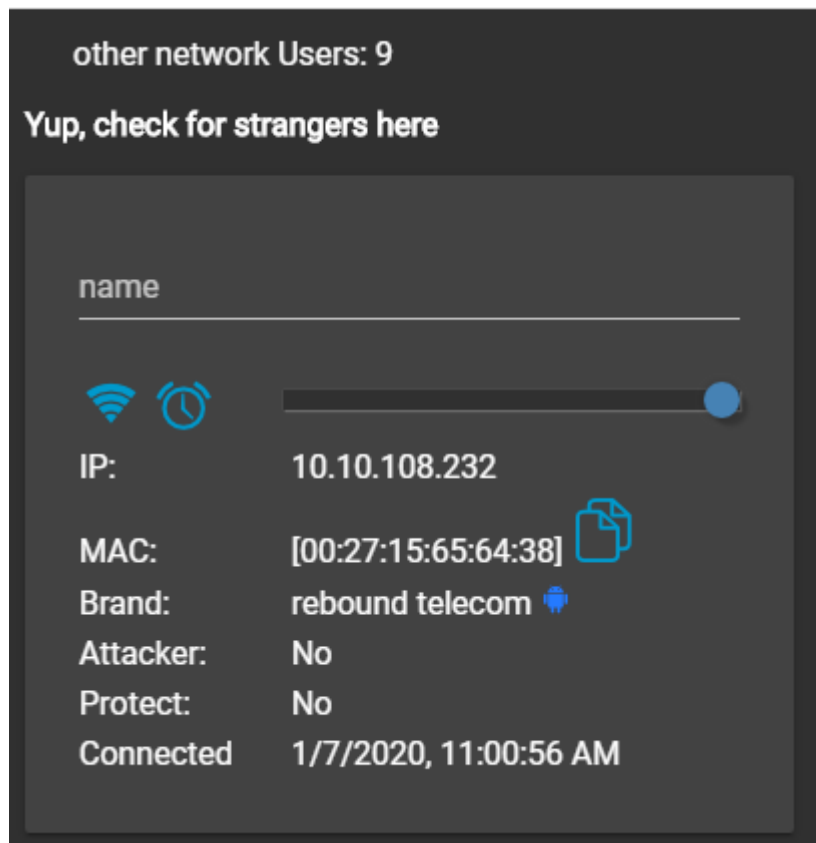


Gambar 4. 10 Hasil Capture Data Packet Loss U 2.3

The screenshot shows an Excel spreadsheet with the following data:

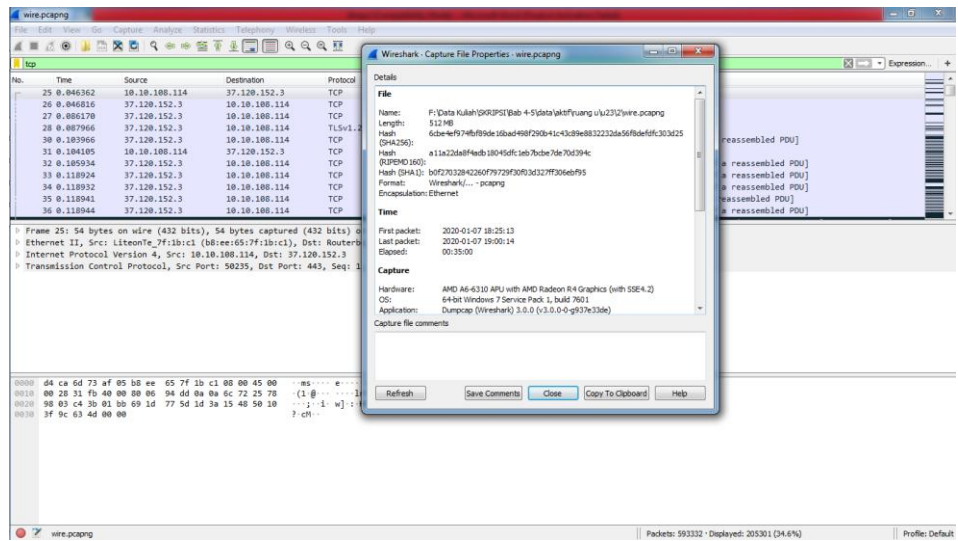
No.	Time	time 2	time 1	delay	total delar	rata delay	delay 2	delay 1	jiter	total jiter	rata jiter
2	85	1.793669	6.593693	1.793669	4.800024	2067.403	0.013653	0.619921	4.800024	-4.1801	-4.61548
3	1357	6.593693	7.213614	6.593693	0.619921			0.002917	0.619921	-0.617	
4	1629	7.213614	7.216531	7.213614	0.002917			3.50E-05	0.002917	-0.00288	
5	1631	7.216531	7.216566	7.216531	3.50E-05			1.70E-05	3.50E-05	-1.80E-05	
6	1632	7.216566	7.216583	7.216566	1.70E-05			1.70E-05	1.70E-05	0	
7	1633	7.216583	7.2166	7.216583	1.70E-05			1.40E-05	1.70E-05	-3.00E-06	
8	1634	7.2166	7.216614	7.2166	1.40E-05			1.40E-05	1.40E-05	0	
9	1635	7.216614	7.216628	7.216614	1.40E-05			1.40E-05	1.40E-05	0	
10	1636	7.216628	7.216642	7.216628	1.40E-05			1.20E-05	1.40E-05	-2.00E-06	
11	1637	7.216642	7.216654	7.216642	1.20E-05			1.40E-05	1.20E-05	2.00E-06	
12	1638	7.216654	7.216668	7.216654	1.40E-05			1.30E-05	1.40E-05	-1.00E-06	
13	1639	7.216668	7.216681	7.216668	1.30E-05			1.40E-05	1.30E-05	1.00E-06	
14	1640	7.216681	7.216695	7.216681	1.40E-05			1.20E-05	1.40E-05	-2.00E-06	
15	1641	7.216695	7.216707	7.216695	1.20E-05			0.001264	1.20E-05	0.001252	
16	1642	7.216707	7.217971	7.216707	0.001264			2.80E-05	0.001264	-0.00124	
17	1643	7.217971	7.217999	7.217971	2.80E-05			1.00E-05	2.80E-05	-1.80E-05	
18	1644	7.217999	7.218009	7.217999	1.00E-05			1.10E-05	1.00E-05	1.00E-06	
19	1645	7.218009	7.21802	7.218009	1.10E-05			1.00E-05	1.10E-05	-1.00E-06	
20	1646	7.21802	7.21803	7.21802	1.00E-05			1.00E-05	1.00E-05	8.88E-16	
21	1647	7.21803	7.21804	7.21803	1.00E-05			1.00E-05	1.00E-05	-8.88E-16	
22	1648	7.21804	7.21805	7.21804	1.00E-05			1.00E-05	1.00E-05	8.88E-16	
23	1649	7.21805	7.21806	7.21805	1.00E-05			1.00E-05	1.00E-05	-8.88E-16	
24	1650	7.21806	7.21807	7.21806	1.00E-05			1.00E-05	1.00E-05	0	
25	1651	7.21807	7.21808	7.21807	1.00E-05			1.00E-05	1.00E-05	8.88E-16	
26	1652	7.21808	7.21809	7.21808	1.00E-05			1.10E-05	1.00E-05	1.00E-06	
27	1653	7.21809	7.218101	7.21809	1.10E-05			0.000814	1.10E-05	0.000803	

Gambar 4. 11 Proses Penghitungan Delay dan Jitter U 2.3

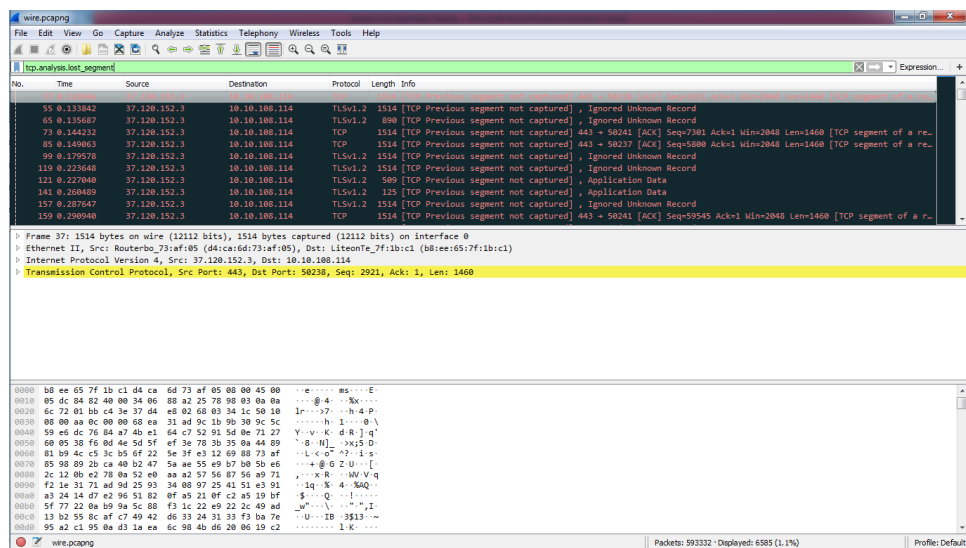


Gambar 4. 12 Jumlah User U 2.3

- U 2.3 Tahap 2



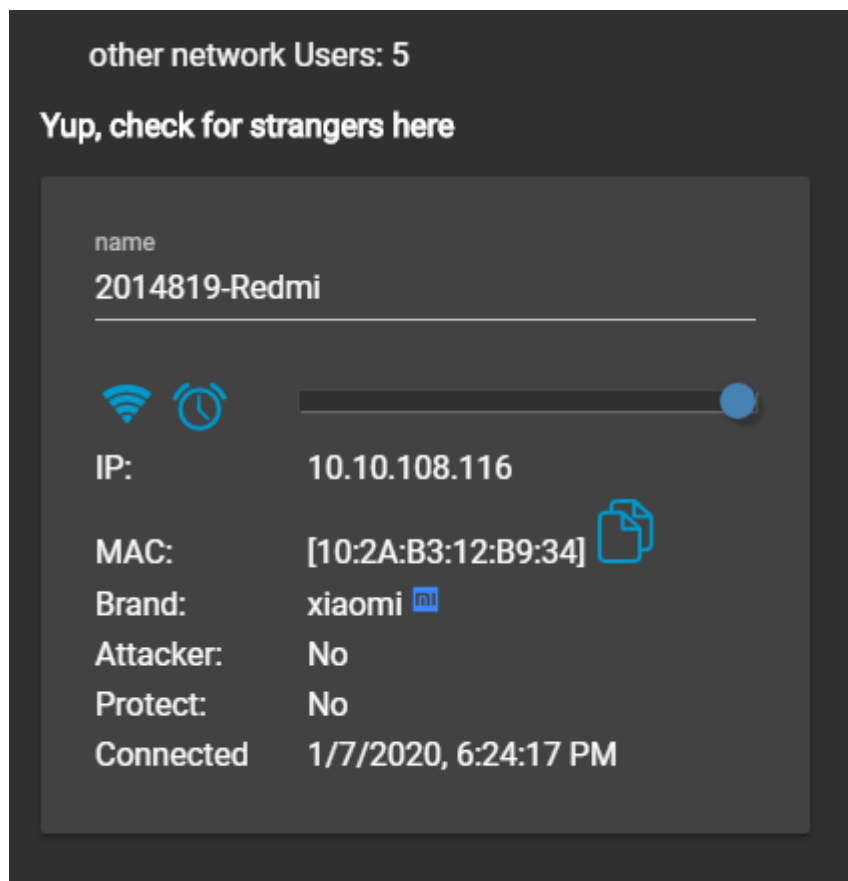
Gambar 4. 13 Hasil Capture Data U 2.3



Gambar 4. 14 Hasil Capture Data Packet Loss U 2.3

No.	Time	time 2	time 1	delay	total delay	rata delay	delay 2	delay 1	jitter	total jitter	rata jitter
1	0	0.000391	0	0.000391	2100.248	0.00354	0.001449	0.000391	0.001058	0.624617	1.05E-06
2	0.000391	0.00184	0.000391	0.001449			0.001477	0.001449	0.000038		
3	0.00184	0.003317	0.00184	0.001477			0.001073	0.001477	-0.0004		
4	0.003317	0.00439	0.003317	0.001073			0.003013	0.001073	0.00194		
5	0.00439	0.007403	0.00439	0.003013			0.002848	0.003013	-0.00017		
6	0.007403	0.010251	0.007403	0.002848			0.000387	0.002848	-0.00246		
7	0.010251	0.010638	0.010251	0.000387			0.002764	0.000387	0.002377		
8	0.010638	0.013402	0.010638	0.002764			0.000525	0.002764	-0.00224		
9	0.013402	0.013927	0.013402	0.000525			0.000462	0.000525	-6.30E-05		
10	0.013927	0.014389	0.013927	0.000462			0.000848	0.000462	0.000386		
11	0.014389	0.015237	0.014389	0.000848			0.001841	0.000848	0.000993		
12	0.015237	0.017078	0.015237	0.001841			0.000363	0.001841	-0.00148		
13	0.017078	0.017441	0.017078	0.000363			0.001588	0.000363	0.001225		
14	0.017441	0.019029	0.017441	0.001588			0.001006	0.001588	-0.00058		
15	0.019029	0.020035	0.019029	0.001006			0.000359	0.001006	-0.00065		
16	0.020035	0.020394	0.020035	0.000359			0.001217	0.000359	0.000858		
17	0.020394	0.021611	0.020394	0.001217			0.00197	0.001217	0.000753		
18	0.021611	0.023581	0.021611	0.00197			0.000376	0.00197	-0.00159		
19	0.023581	0.023957	0.023581	0.000376			0.000949	0.000376	0.000573		
20	0.023957	0.024906	0.023957	0.000949			0.001978	0.000949	0.001029		
21	0.024906	0.026884	0.024906	0.001978			0.000379	0.001978	-0.0016		
22	0.026884	0.027263	0.026884	0.000379			0.001174	0.000379	0.000795		
23	0.027263	0.028437	0.027263	0.001174			0.017925	0.001174	0.018751		
24	0.028437	0.046362	0.028437	0.017925			0.000454	0.017925	-0.01747		
25	0.046362	0.046816	0.046362	0.000454			0.039354	0.000454	0.0389		
26	0.046816	0.08617	0.046816	0.039354			0.001796	0.039354	-0.03756		

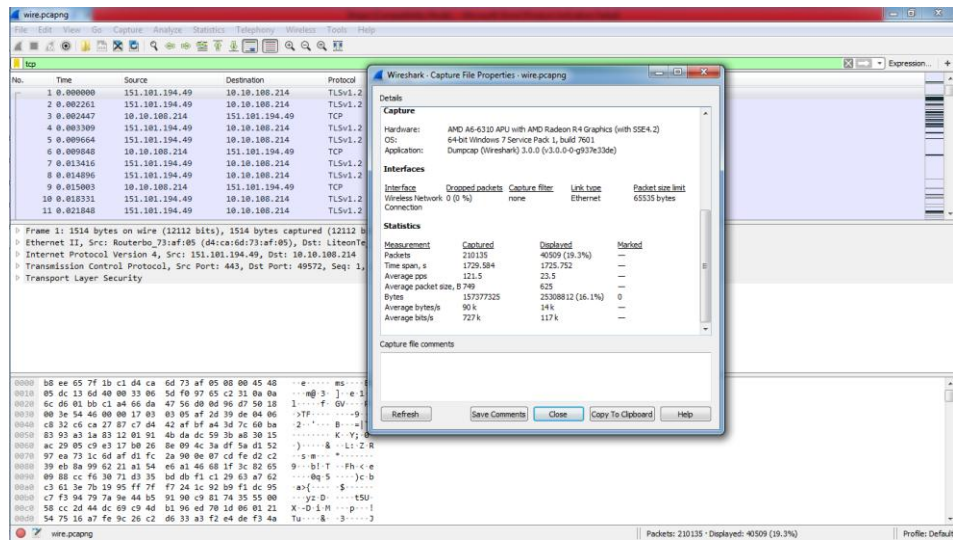
Gambar 4. 15 Proses Penghitungan Delay dan Jitter U 2.3



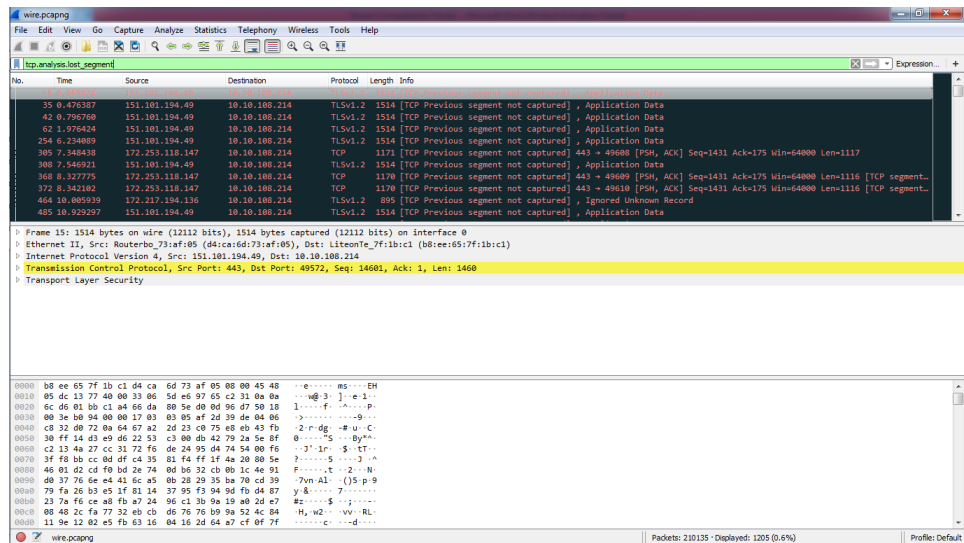
Gambar 4. 16 Jumlah User U 2.3



- U 2.4 Tahap 1



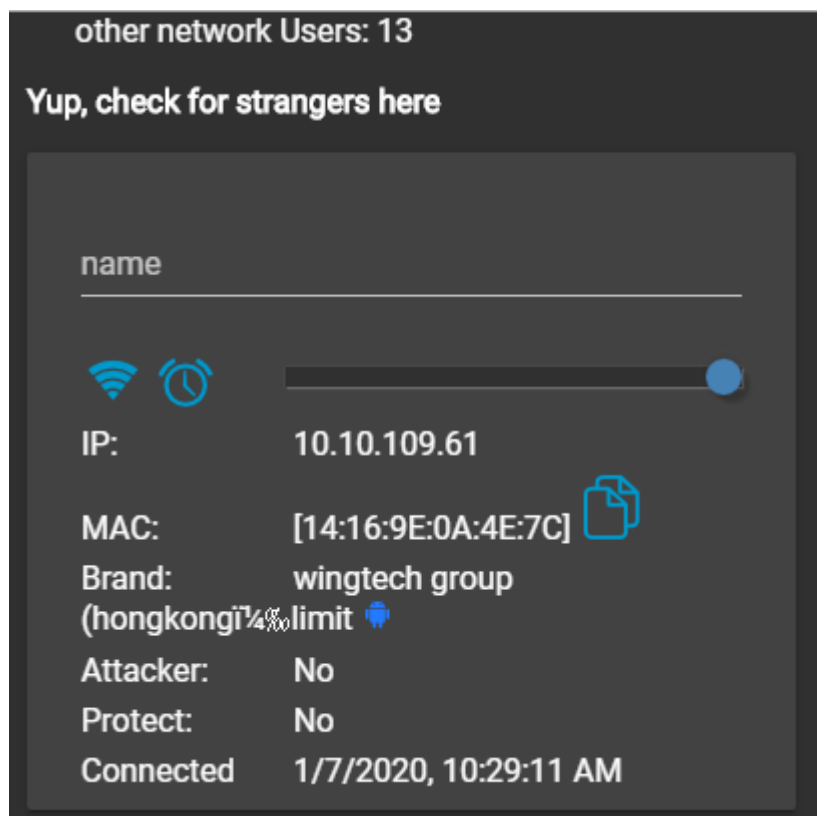
Gambar 4. 17 Hasil Capture Data U 2.4



Gambar 4. 18 Hasil Capture Data Packet Loss U 2.4

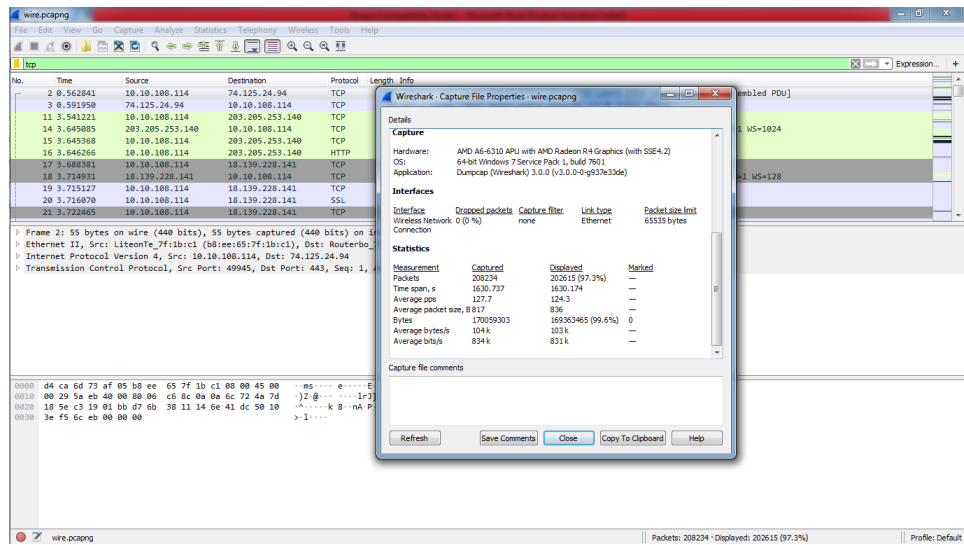
No.	Time	time 2	time 1	delay	total delay	rata delay	delay 2	delay 1	jitter	total jitter	rata jitter
1	0	0.002261	0	0.002261	1725.752	0.008213	0.000186	0.002261	-0.00208	-0.00201	-9.576-09
2	2	0.002261	0.002447	0.002261			0.000862	0.000186	0.000676		
3	3	0.002447	0.003309	0.002447			0.006355	0.000862	0.005493		
4	4	0.003309	0.009664	0.003309			0.000184	0.006355	-0.00617		
5	5	0.009664	0.009848	0.009664			0.003568	0.000184	0.003384		
6	6	0.009848	0.013416	0.009848			0.00148	0.003568	-0.00209		
7	7	0.013416	0.014896	0.013416			0.000107	0.00148	-0.00137		
8	8	0.014896	0.015003	0.014896			0.003328	0.000107	0.003221		
9	9	0.015003	0.018331	0.015003			0.003517	0.003328	0.000189		
10	10	0.018331	0.021848	0.018331			0.000194	0.003517	-0.00332		
11	11	0.021848	0.022042	0.021848			0.005743	0.000194	0.005549		
12	12	0.022042	0.027785	0.022042			0.019327	0.005743	0.013584		
13	13	0.027785	0.047112	0.027785			0.007962	0.019327	-0.01137		
14	14	0.047112	0.055074	0.047112			0.000119	0.007962	-0.00784		
15	15	0.055074	0.055193	0.055074			0.001415	0.000119	0.001296		
16	16	0.055193	0.056608	0.055193			0.029902	0.001415	0.028487		
17	17	0.056608	0.08651	0.056608			0.047581	0.029902	0.017679		
18	18	0.08651	0.134091	0.08651			0.024854	0.047581	-0.02273		
19	19	0.134091	0.158945	0.134091			0.000293	0.024854	-0.02456		
20	20	0.158945	0.159238	0.158945			0.007925	0.000293	0.007632		
21	21	0.159238	0.167163	0.159238			0.004729	0.007925	-0.0032		
22	22	0.167163	0.171892	0.167163			0.001548	0.004729	-0.00318		
23	23	0.171892	0.17344	0.171892			0.000168	0.001548	-0.00138		
24	24	0.17344	0.173608	0.17344			0.001065	0.000168	0.000897		
25	25	0.173608	0.174673	0.173608			0.023068	0.001065	0.022003		
26	26	0.174673	0.197741	0.174673			0.01951	0.023068	-0.00356		

Gambar 4. 19 Proses Penghitungan Delay dan Jitter U 2.4

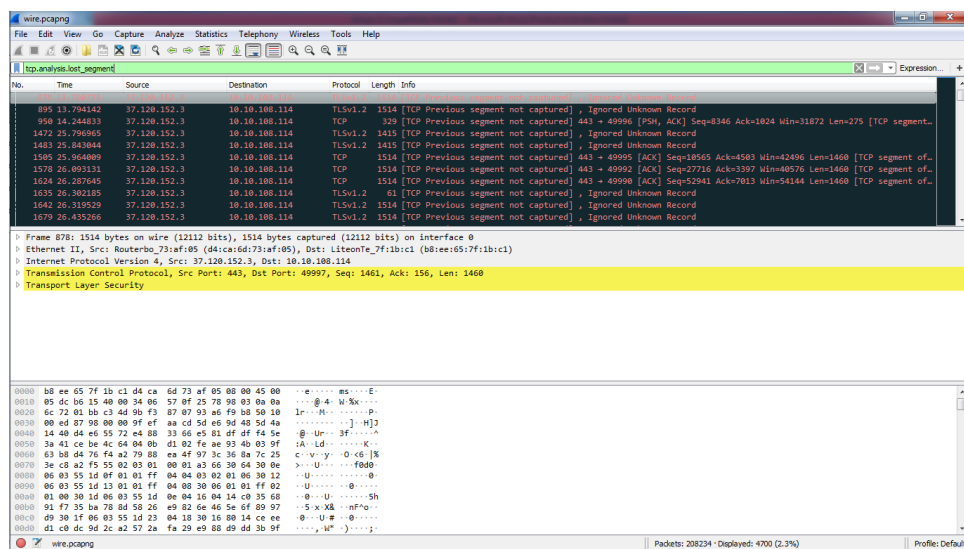


Gambar 4. 20 Jumlah User U 2.4

- U 2.4 Tahap 2



Gambar 4. 21 Hasil Capture Data U 2.4



Gambar 4. 22 Hasil Capture Data Packet Loss U 2.4

No.	Time	time 2	time 1	delay	total delay	rata delay	delay 2	delay 1	jiter	total jiter	rata jiter
2	0.562841	0.59195	0.562841	0.029109	1630.174	0.007829	2.949271	0.029109	2.920192	-0.02888	-1.38E-07
3	0.59195	3.541221	0.59195	2.949271			0.103864	2.949271	-2.94541		
4	11	3.541221	3.645085	3.541221	0.103864		0.000283	0.103864	-0.10358		
5	14	3.645085	3.645368	3.645085	0.000283		0.000898	0.000283	0.000615		
6	15	3.645368	3.646266	3.645368	0.000898		0.042115	0.000898	0.041217		
7	16	3.646266	3.688381	3.646266	0.042115		0.02655	0.042115	-0.01557		
8	17	3.688381	3.714931	3.688381	0.02655		0.000196	0.02655	-0.02635		
9	18	3.714931	3.715127	3.714931	0.000196		0.000943	0.000196	0.000747		
10	19	3.715127	3.71607	3.715127	0.000943		0.006395	0.000943	0.005452		
11	20	3.71607	3.722465	3.71607	0.006395		0.021502	0.006395	0.015107		
12	21	3.722465	3.743967	3.722465	0.021502		8.00E-06	0.021502	-0.02149		
13	22	3.743967	3.743975	3.743967	8.00E-06		0.004383	8.00E-06	0.004375		
14	23	3.743975	3.748358	3.743975	0.004383		0.0002	0.004383	-0.00418		
15	24	3.748358	3.748558	3.748358	0.0002		0.001481	0.0002	0.001281		
16	25	3.748558	3.750039	3.748558	0.001481		0.006849	0.001481	0.005368		
17	26	3.750039	3.756888	3.750039	0.006849		0.008589	0.006849	0.00174		
18	27	3.756888	3.765477	3.756888	0.008589		0.00894	0.008589	-0.00351		
19	28	3.765477	3.774417	3.765477	0.00894		0.003883	0.00894	-0.00506		
20	29	3.774417	3.7783	3.774417	0.003883		1.00E-05	0.003883	-0.00387		
21	30	3.7783	3.77831	3.7783	1.00E-05		0.053638	1.00E-05	0.053628		
22	31	3.77831	3.831948	3.77831	0.053638		0.027772	0.053638	-0.02587		
23	33	3.831948	3.85972	3.831948	0.027772		0.00025	0.027772	-0.02752		
24	34	3.85972	3.85997	3.85972	0.00025		0.015273	0.00025	0.015023		
25	35	3.85997	3.875243	3.85997	0.015273		0.002996	0.015273	-0.01228		
26	38	3.875243	3.878239	3.875243	0.002996		0.002785	0.002996	-0.00021		
27	39	3.878239	3.881024	3.878239	0.002785		0.019766	0.002785	0.016981		

Gambar 4. 23 Proses Penghitungan Delay dan Jitter U 2.4

other network Users: 12

Yup, check for strangers here

name \_\_\_\_\_

IP: 10.10.108.121

MAC: [0C:9D:92:A2:36:B6]

Brand: asustek computer inc

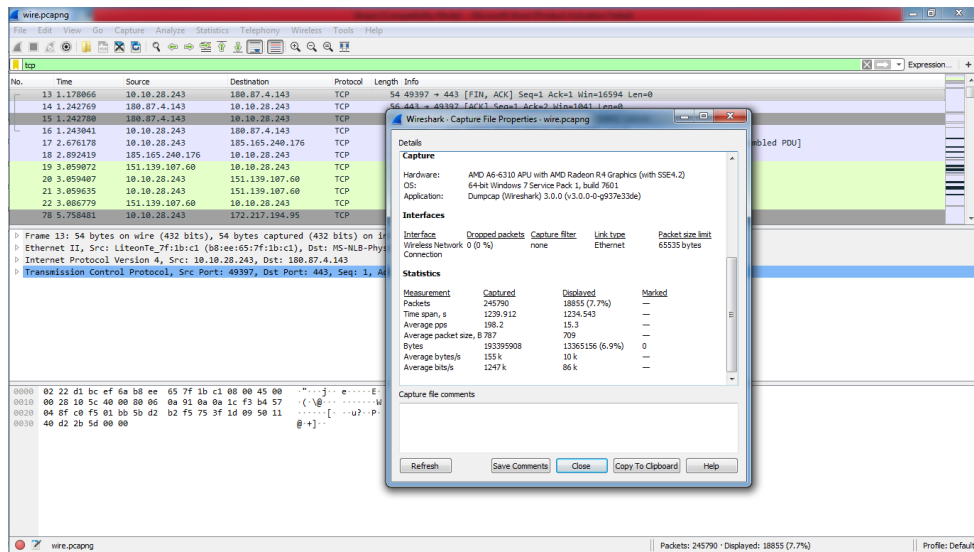
Attacker: No

Protect: No

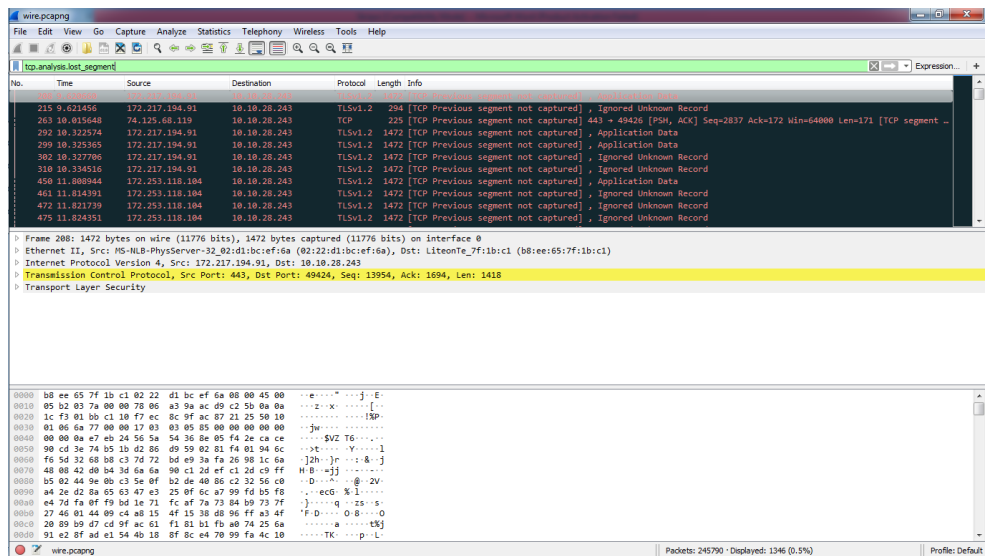
Connected 1/7/2020, 5:52:41 PM

Gambar 4. 24 Jumlah User U 2.4

- T 3.S Tahap 1



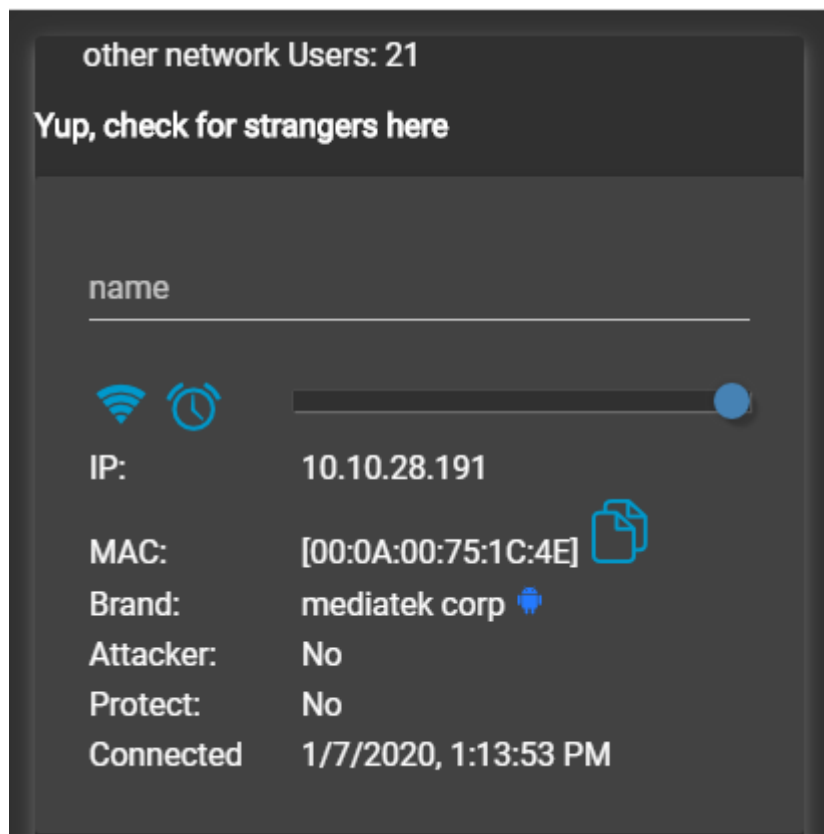
Gambar 4. 25 Hasil Capture Data T 3.S



Gambar 4. 26 Hasil Capture Data Packet Loss T 3.S

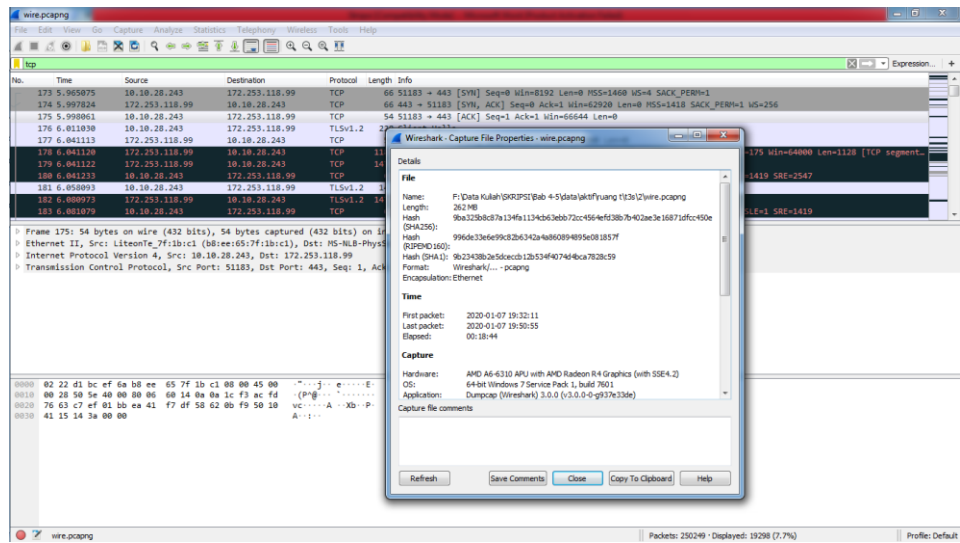
No.	Time	time 2	time 1	delay	total delay	rata delay	delay 2	delay 1	jitter	total jitter	rata jitter
13	1.178066	1.242769	1.178066	0.064703	1234.543	0.005023	1.10E-05	0.064703	-0.06469	0.160638	6.54E-07
14	1.242769	1.242778	1.242769	1.10E-05			0.000261	1.10E-05	0.00025		
15	1.242778	1.243041	1.242778	0.000261			1.433137	0.000261	1.432876		
16	1.243041	2.676178	1.243041	1.433137			0.216241	1.433137	-1.2169		
17	2.676178	2.892419	2.676178	0.216241			0.166653	0.216241	-0.04959		
18	2.892419	3.059072	2.892419	0.166653			0.000335	0.166653	-0.16632		
19	3.059072	3.059407	3.059072	0.000335			0.000228	0.000335	-0.00011		
20	3.059407	3.059635	3.059407	0.000228			0.027144	0.000228	0.026916		
21	3.059635	3.086779	3.059635	0.027144			2.671702	0.027144	2.644558		
22	3.086779	5.758481	3.086779	2.671702			0.027489	2.671702	-2.64421		
23	5.758481	5.78597	5.758481	0.027489			0.0003	0.027489	-0.02719		
24	5.78597	5.78627	5.78597	0.0003			0.081872	0.0003	0.081572		
25	5.78627	5.868142	5.78627	0.081872			0.25837	0.081872	0.176498		
26	5.868142	6.126512	5.868142	0.25837			0.000196	0.25837	-0.25817		
27	6.126512	6.126708	6.126512	0.000196			0.000653	0.000196	0.000457		
28	6.126708	6.127361	6.126708	0.000653			0.258106	0.000653	0.257453		
29	6.127361	6.385467	6.127361	0.258106			0.001017	0.258106	-0.25709		
30	6.385467	6.386484	6.385467	0.001017			0.201611	0.001017	0.200594		
31	6.386484	6.588095	6.386484	0.201611			1.608541	0.201611	1.40693		
32	6.588095	8.196636	6.588095	1.608541			0.027324	1.608541	-1.58122		
33	8.196636	8.22396	8.196636	0.027324			0.000258	0.027324	-0.02707		
34	8.22396	8.224218	8.22396	0.000258			0.010543	0.000258	0.010285		
35	8.224218	8.234761	8.224218	0.010543			0.029047	0.010543	0.018504		
36	8.234761	8.263808	8.234761	0.029047			0.001752	0.029047	-0.0273		
37	8.263808	8.26556	8.263808	0.001752			1.10E-05	0.001752	-0.00174		
38	8.26556	8.265571	8.26556	1.10E-05			0.021117	1.10E-05	0.021106		

Gambar 4. 27 Proses Penghitungan Delay dan Jitter T 3.S

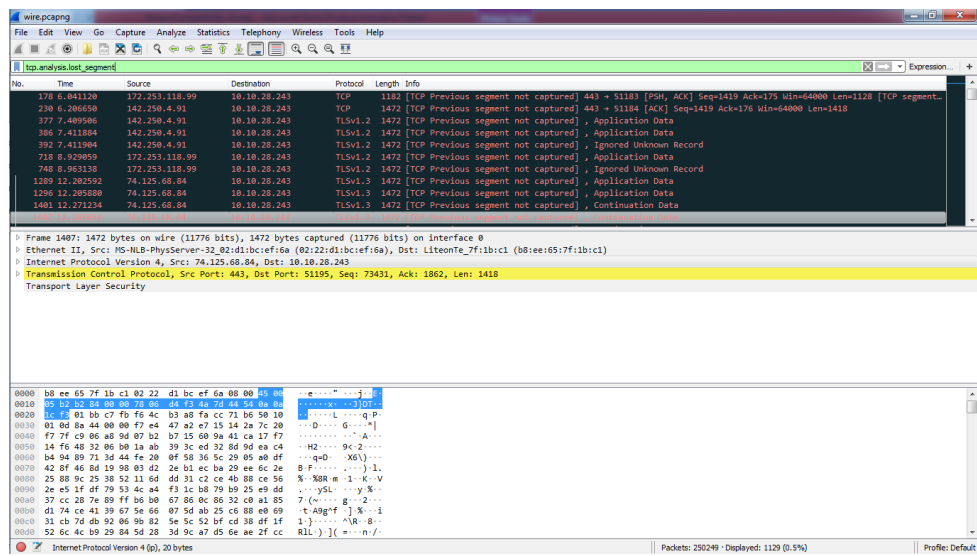


Gambar 4. 28 Jumlah User T 3.S

- T 3.S Tahap 2



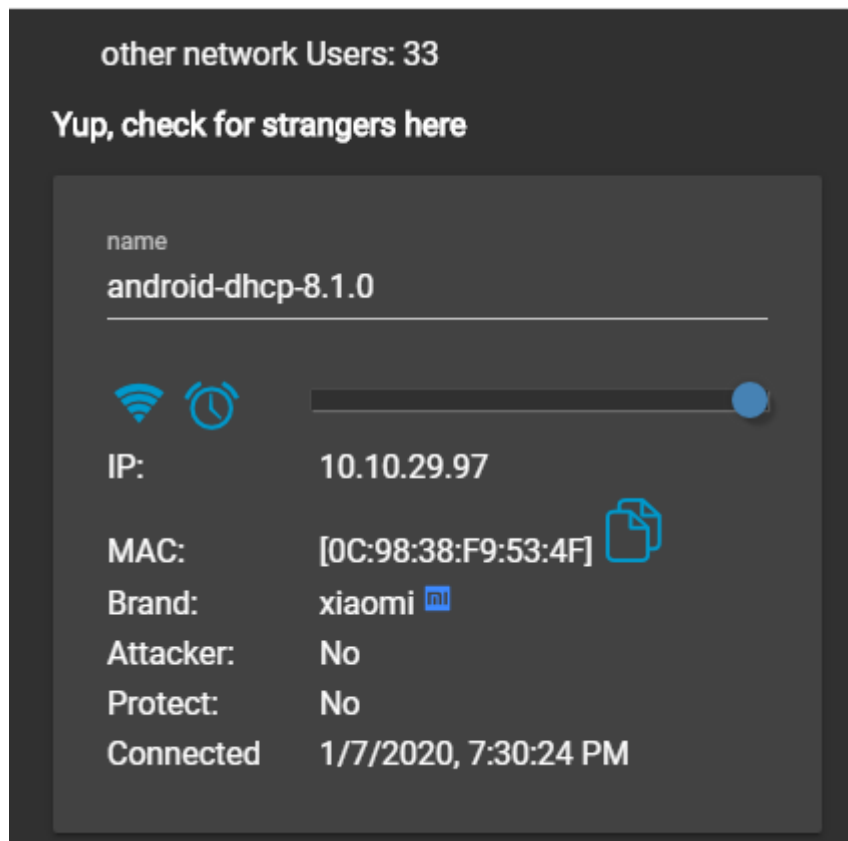
Gambar 4. 29 Hasil Capture Data T 3.S



Gambar 4. 30 Hasil Capture Data Packet Loss T 3.S

No.	Time	Time 1	Time 2	delay	total delay	rata-rata delay	delay 2	delay 1	jitter	total jitter	rata-rata jitter
173	5.965075	5.997824	5.965075	0.032749	1112.577	0.004446	0.000237	0.032749	-0.03251	-0.00657	-2.63E-08
174	5.997824	5.998061	5.997824	0.000237			0.012969	0.000237	0.012732		
175	5.998061	6.01103	5.998061	0.012969			0.030083	0.012969	0.017114		
176	6.01103	6.041113	6.01103	0.030083			7.00E-06	0.030083	-0.03008		
177	6.041113	6.041122	6.041113	7.00E-06			2.00E-06	7.00E-06	-5.00E-06		
178	6.041122	6.041122	6.041122	2.00E-06			0.000111	2.00E-06	0.000109		
179	6.041122	6.041233	6.041122	0.000111			0.01686	0.000111	0.016749		
180	6.041233	6.058093	6.041233	0.01686			0.02288	0.01686	0.00602		
181	6.058093	6.080973	6.058093	0.02288			0.000106	0.02288	-0.02277		
182	6.080973	6.081079	6.080973	0.000106			0.005486	0.000106	0.00538		
183	6.081079	6.086565	6.081079	0.005486			0.034099	0.005486	0.028613		
184	6.086565	6.120664	6.086565	0.034099			0.000578	0.034099	-0.03352		
189	6.120664	6.121242	6.120664	0.000578			0.000207	0.000578	-0.00037		
190	6.121242	6.121449	6.121242	0.000207			0.001219	0.000207	0.001012		
191	6.121449	6.122668	6.121449	0.001219			0.007388	0.001219	0.006169		
192	6.122668	6.130056	6.122668	0.007388			0.019311	0.007388	0.011923		
195	6.130056	6.149367	6.130056	0.019311			0.001055	0.019311	-0.018146		
196	6.149367	6.150518	6.149367	0.001055			0.001055	0.001151	-9.60E-05		
197	6.150518	6.151573	6.150518	0.001055			0.001691	0.001055	0.000636		
198	6.151573	6.153264	6.151573	0.001691			0.001505	0.001691	-0.00019		
199	6.153264	6.154769	6.153264	0.001505			0.00312	0.001505	0.001615		
202	6.154769	6.157889	6.154769	0.00312			0.00053	0.00312	-0.00259		
203	6.157889	6.158419	6.157889	0.00053			0.000504	0.00053	0.000594		
206	6.158419	6.164923	6.158419	0.000504			7.00E-06	0.000504	-0.0005		
208	6.164923	6.164923	6.164923	7.00E-06			0.000232	7.00E-06	0.000225		
209	6.164923	6.165162	6.164923	0.000232			0.000233	0.000232	1.00E-06		

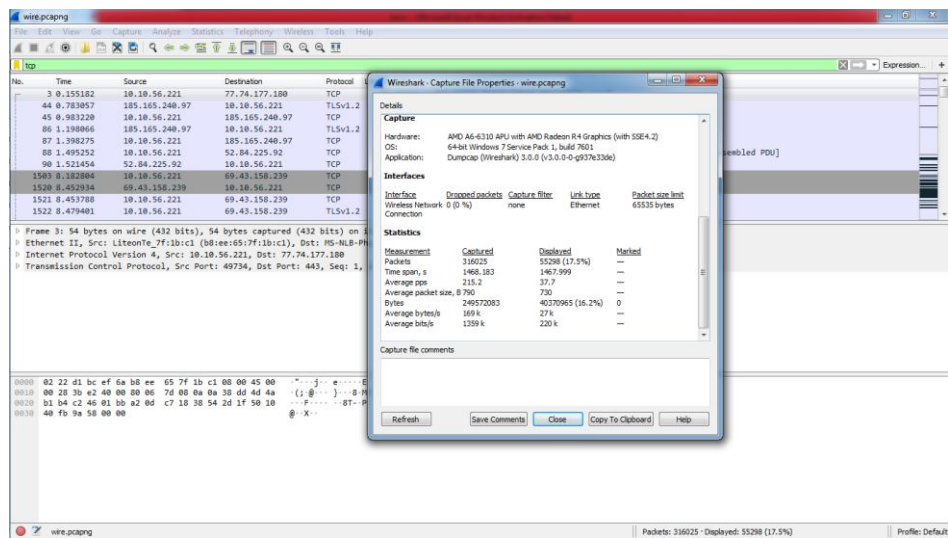
Gambar 4. 31 Proses Penghitungan Delay dan Jitter T 3.S



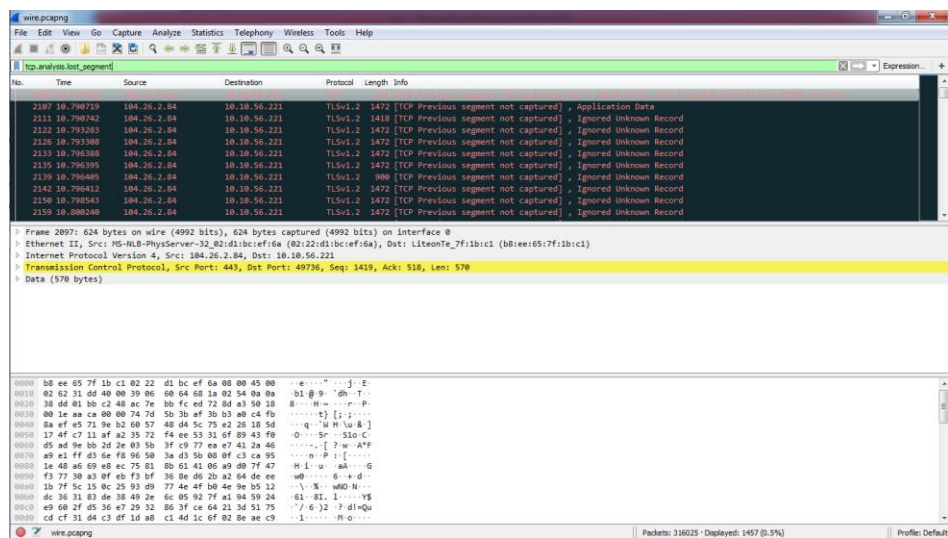
Gambar 4. 32 Jumlah User T 3.S



- T 3.U Tahap 1



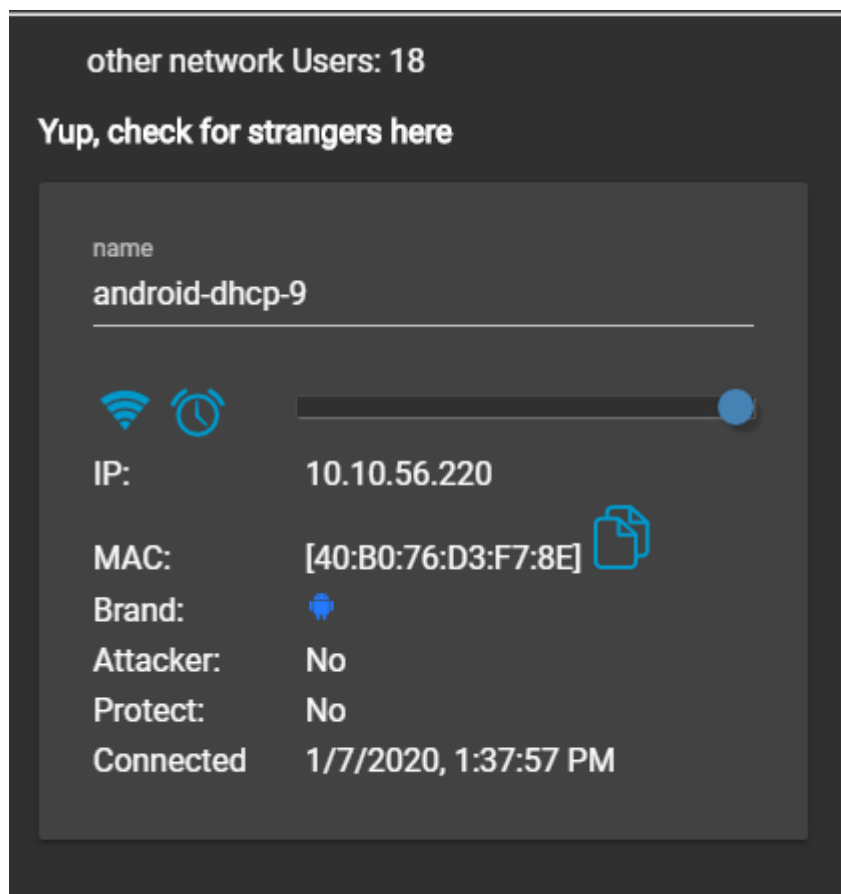
Gambar 4. 33 Hasil Capture Data T 3.U



Gambar 4. 34 Hasil Capture Data Packet Loss T 3.U

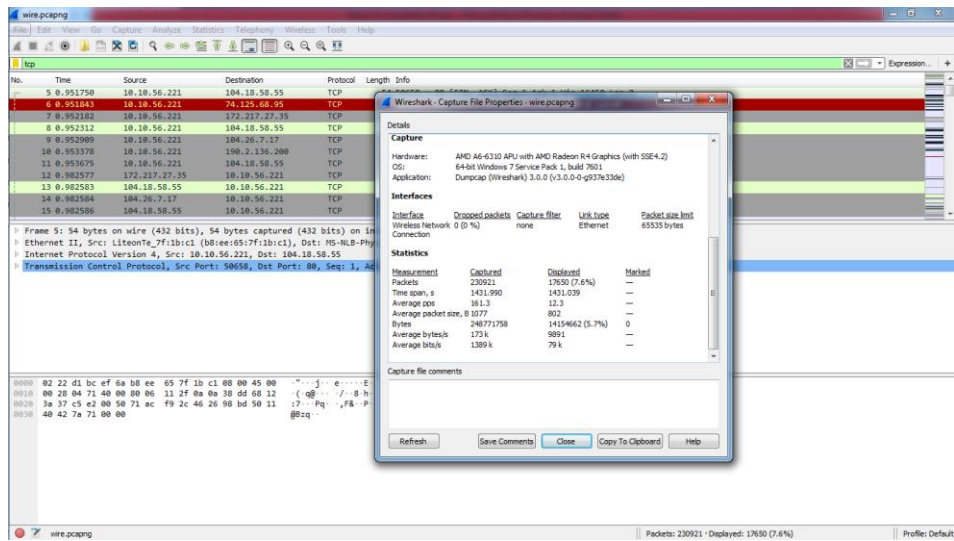
No.	Time	time 2	time 1	delay	total dela	rata delay	delay 2	delay 1	jiter	total jiter	rata jiter
3	0.155182	0.783057	0.155182	0.627875	1467.999	0.004645	0.200163	0.627875	-0.42771	-0.43136	-1.36E-06
44	0.783057	0.98322	0.783057	0.200163			0.214846	0.200163	0.014683		
45	0.98322	1.198066	0.98322	0.214846			0.200209	0.214846	-0.01464		
86	1.198066	1.398275	1.198066	0.200209			0.096977	0.200209	-0.10323		
87	1.398275	1.495252	1.398275	0.096977			0.026202	0.096977	-0.07078		
88	1.495252	1.521454	1.495252	0.026202			6.66135	0.026202	6.635148		
90	1.521454	1.812804	1.521454	6.66135			0.27013	6.66135	-6.39122		
1503	8.182804	8.452934	8.182804	0.27013			0.000854	0.27013	-0.26928		
1520	8.452934	8.453788	8.452934	0.000854			0.025613	0.000854	0.024759		
1521	8.453788	8.479401	8.453788	0.025613			0.267068	0.025613	0.241455		
1522	8.479401	8.746469	8.479401	0.267068			0.004435	0.267068	-0.26263		
1523	8.746469	8.750904	8.746469	0.004435			2.20E-05	0.004435	-0.00441		
1524	8.750904	8.750926	8.750904	2.20E-05			6.00E-06	2.20E-05	-1.60E-05		
1525	8.750926	8.750932	8.750926	6.00E-06			0.010117	6.00E-06	0.010111		
1526	8.750932	8.761049	8.750932	0.010117			0.281264	0.010117	0.271147		
1528	8.761049	9.042313	8.761049	0.281264			0.085437	0.281264	-0.19583		
1560	9.042313	9.12775	9.042313	0.085437			0.266717	0.085437	0.18128		
1570	9.12775	9.394467	9.12775	0.266717			0.050798	0.266717	-0.21592		
1689	9.394467	9.445265	9.394467	0.050798			0.011339	0.050798	-0.03946		
1693	9.445265	9.456604	9.445265	0.011339			2.70E-05	0.011339	-0.01131		
1694	9.456604	9.456631	9.456604	2.70E-05			0.000891	2.70E-05	0.000864		
1695	9.456631	9.457522	9.456631	0.000891			0.062406	0.000891	0.061515		
1696	9.457522	9.519928	9.457522	0.062406			9.00E-06	0.062406	-0.0624		
1699	9.519928	9.519937	9.519928	9.00E-06			0.000136	9.00E-06	0.000127		
1700	9.519937	9.520073	9.519937	0.000136			0.204729	0.000136	0.204593		
1701	9.520073	9.724802	9.520073	0.204729			0.000151	0.204729	-0.20458		

Gambar 4. 35 Proses Penghitungan Delay dan Jitter T 3.U

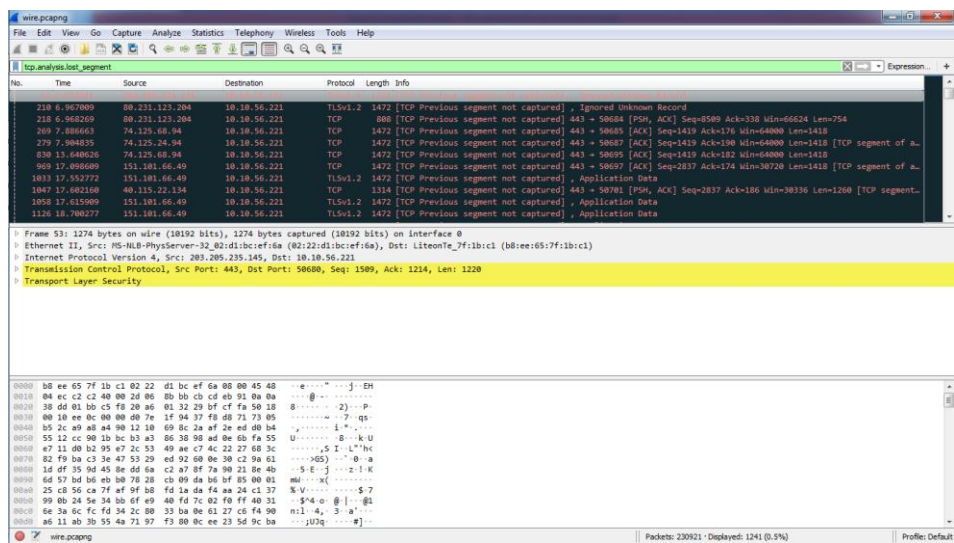


Gambar 4. 36 Jumlah User T 3.U

- T 3.U Tahap 2



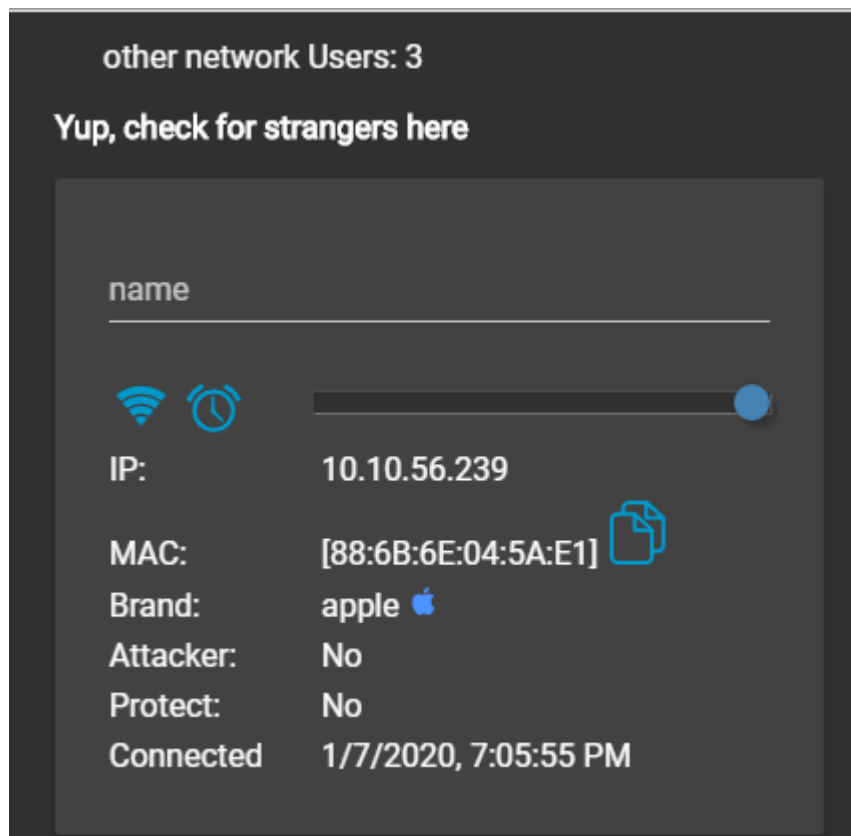
Gambar 4. 37 Hasil Capture Data T 3.U



Gambar 4. 38 Hasil Capture Data Packet Loss T 3.U

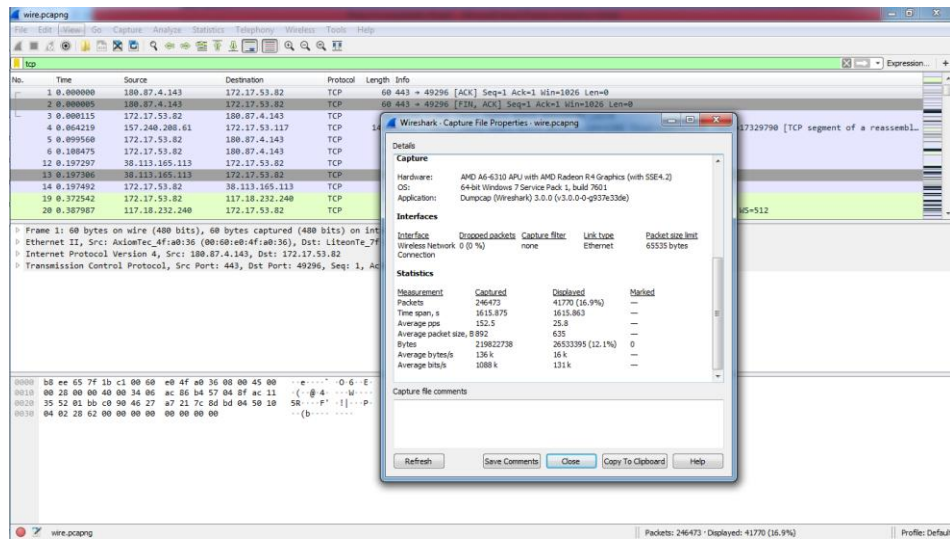
No.	Time	time 2	time 1	delay	total delay	rata delay	delay 2	delay 1	jiter	total jiter	rata jiter
2	5	0.95175	0.951843	0.95175	9.30E-05	1431.039	0.006197	0.000339	9.30E-05	0.000246	0.212474
3	6	0.951843	0.952182	0.951843	0.000339			0.00013	0.000339	-0.00021	
4	7	0.952182	0.952312	0.952182	0.00013			0.000597	0.00013	0.000467	
5	8	0.952312	0.952909	0.952312	0.000597			0.000469	0.000597	-0.00013	
6	9	0.952909	0.953378	0.952909	0.000469			0.000297	0.000469	-0.00017	
7	10	0.953378	0.953675	0.953378	0.000297			0.028902	0.000297	0.028605	
8	11	0.953675	0.982577	0.953675	0.028902			6.00E-06	0.028902	-0.0289	
9	12	0.982577	0.982583	0.982577	6.00E-06			1.00E-06	6.00E-06	-5.00E-06	
10	13	0.982583	0.982584	0.982583	1.00E-06			2.00E-06	1.00E-06	1.00E-06	
11	14	0.982584	0.982586	0.982584	2.00E-06			0.000371	2.00E-06	0.000369	
12	15	0.982586	0.982557	0.982586	0.000371			0	0.000371	-0.00037	
13	16	0.982557	0.982957	0.982957	0			0	0	0	
14	17	0.982957	0.982957	0.982957	0			0.00013	0	0.00013	
15	18	0.982957	0.983087	0.982957	0.00013			0.184922	0.00013	0.184792	
16	19	0.983087	1.168009	0.983087	0.184922			0.000346	0.184922	-0.18458	
17	20	1.168009	1.168355	1.168009	0.000346			0.083759	0.000346	0.083413	
18	21	1.168355	1.252114	1.168355	0.083759			0.59999	0.083759	0.516231	
19	22	1.252114	1.852104	1.252114	0.59999			0.059928	0.59999	-0.54006	
20	27	1.852104	1.912032	1.852104	0.059928			0.01258	0.059928	-0.04735	
21	29	1.912032	1.924612	1.912032	0.01258			0.019717	0.01258	0.007137	
22	30	1.924612	1.944329	1.924612	0.019717			0.072776	0.019717	0.053059	
23	31	1.944329	2.017105	1.944329	0.072776			0.000251	0.072776	-0.07253	
24	32	2.017105	2.017356	2.017105	0.000251			0.006104	0.000251	0.005853	
25	33	2.017356	2.02346	2.017356	0.006104			0.009633	0.006104	0.003529	
26	36	2.02346	2.033093	2.02346	0.009633			0.000248	0.009633	-0.00939	
27	38	2.033093	2.033341	2.033093	0.000248			0.09589	0.000248	0.095642	

Gambar 4. 39 Proses Penghitungan Delay dan Jitter T 3.U

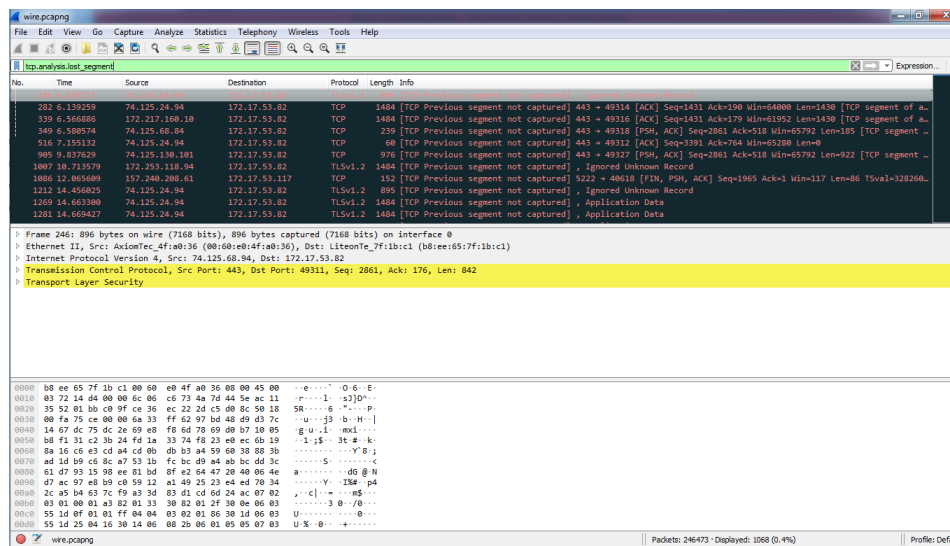


Gambar 4. 40 Jumlah User T 3.U

- S 2.1 Tahap 1



Gambar 4. 41 Hasil Capture Data S 2.1



Gambar 4. 42 Hasil Capture Data Packet Loss S 2.1

The screenshot shows a Microsoft Excel spreadsheet with the following columns and data:

No.	Time	time 2	time 1	delay	total delar	rata delay	delay 2	delsy 1	jiter	total jiter	rata jiter
1	0	0.000005	0	0.000005	1615.863	0.006556	0.00011	0.000005	0.000105	-4.00E-06	-1.62E-11
2	0.000005	0.000115	0.000005	0.00011			0.064104	0.00011	0.063994		
3	0.000115	0.064219	0.000115	0.064104			0.035341	0.064104	-0.02876		
4	0.064219	0.09956	0.064219	0.035341			0.008915	0.035341	-0.02643		
5	0.09956	0.108475	0.09956	0.008915			0.088822	0.008915	0.079907		
6	0.108475	0.197297	0.108475	0.088822			9.00E-06	0.088822	-0.08881		
7	0.197297	0.197306	0.197297	9.00E-06			0.000186	9.00E-06	0.000177		
8	0.197306	0.197492	0.197306	0.000186			0.17505	0.000186	0.174864		
9	0.197492	0.372542	0.197492	0.17505			0.015445	0.17505	-0.15961		
10	0.372542	0.387987	0.372542	0.015445			0.000394	0.015445	-0.01505		
11	0.387987	0.388381	0.387987	0.000394			0.001536	0.000394	0.001142		
12	0.388381	0.389917	0.388381	0.001536			0.013932	0.001536	0.012396		
13	0.389917	0.403849	0.389917	0.013932			0.002126	0.013932	-0.01181		
14	0.403849	0.405975	0.403849	0.002126			0.076478	0.002126	0.074352		
15	0.405975	0.482453	0.405975	0.076478			0.018279	0.076478	-0.0582		
16	0.482453	0.500732	0.482453	0.018279			0.038646	0.018279	0.020367		
17	0.500732	0.539378	0.500732	0.038646			0.000201	0.038646	-0.03845		
18	0.539378	0.539579	0.539378	0.000201			0.000983	0.000201	0.000782		
19	0.539579	0.540562	0.539579	0.000983			0.018008	0.000983	0.017025		
20	0.540562	0.55857	0.540562	0.018008			0.000182	0.018008	-0.01783		
21	0.55857	0.558752	0.55857	0.000182			0.000887	0.000182	0.000705		
22	0.558752	0.559639	0.558752	0.000887			0.04052	0.000887	0.039633		
23	0.559639	0.600159	0.559639	0.04052			0.00228	0.04052	-0.03824		
24	0.600159	0.602439	0.600159	0.00228			8.10E-05	0.00228	-0.0022		
25	0.602439	0.60252	0.602439	8.10E-05			0.00045	8.10E-05	0.000389		
26	0.60252	0.60257	0.60252	0.00045			0.011062	0.00045	0.010612		

Gambar 4. 43 Proses Penghitungan Delay dan Jitter S 2.1

other network Users: 27

Yup, check for strangers here

name \_\_\_\_\_

IP: 172.17.53.4

MAC: [00:17:61:10:71:D2]

Brand: private

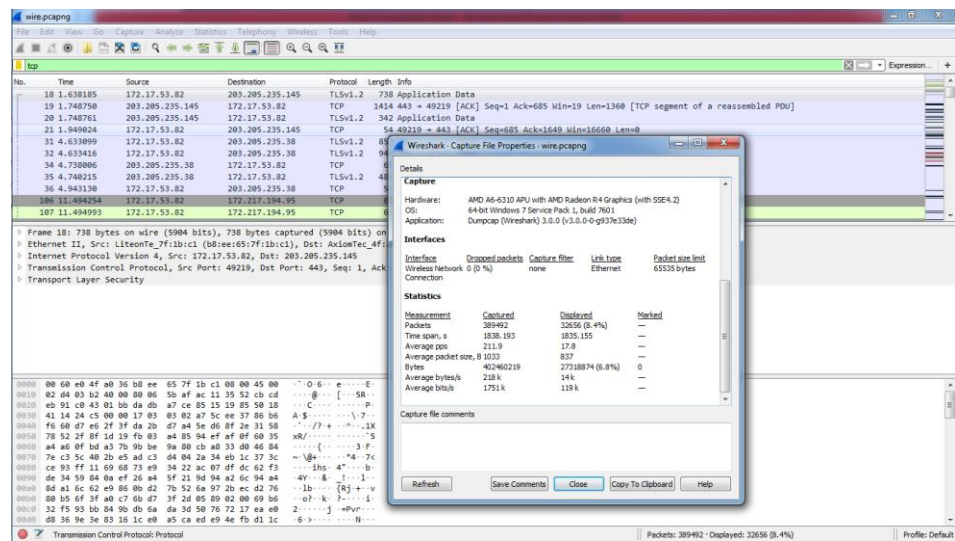
Attacker: No

Protect: No

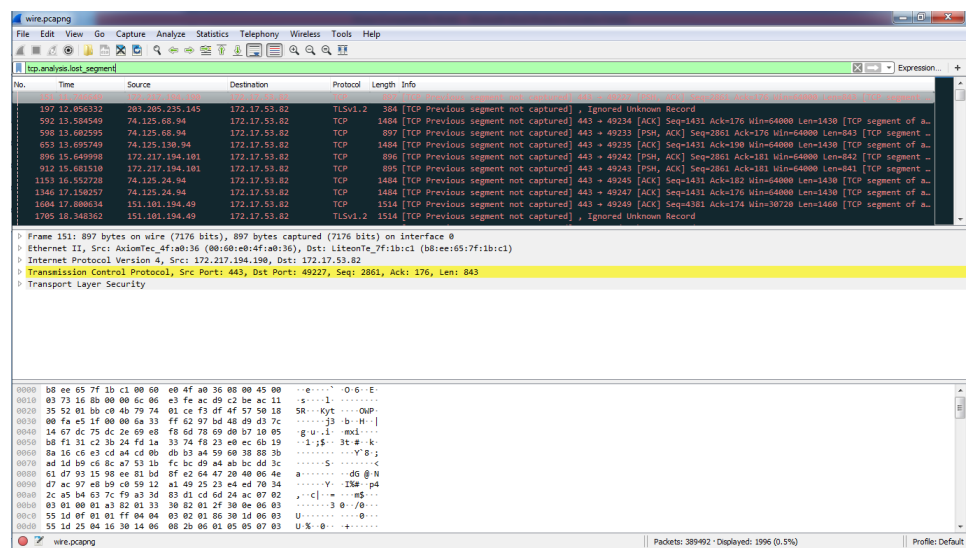
Connected 1/13/2020, 3:25:25 PM

Gambar 4. 44 Jumlah User S 2.1

- S 2.1 Tahap 2



Gambar 4. 45 Hasil Capture Data S 2.1

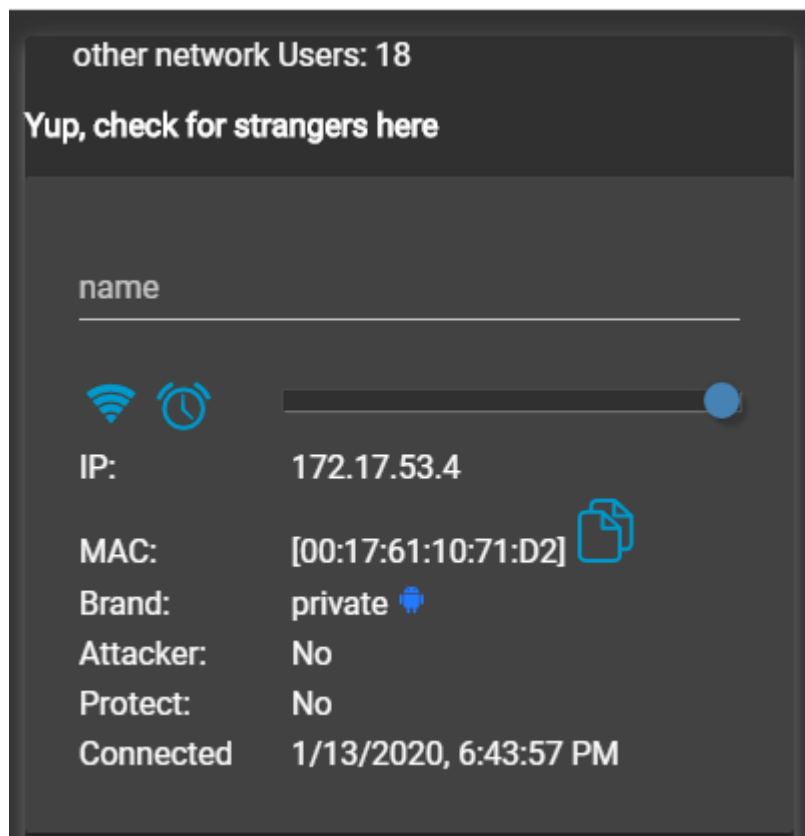


Gambar 4. 46 Hasil Capture Data Packet Loss S 2.1

The screenshot shows a Microsoft Excel spreadsheet with the following data:

No.	Time	time 2	time 1	delay	total delay	rata delay	delay 2	delay 1	jiter	total jiter	rata jiter
2	18	1.638185	1.74875	1.638185	0.110565	1835.155	0.004712	1.10E-05	0.110565	-0.11055	0.184018
3	19	1.74875	1.748761	1.74875	1.10E-05			0.200263	1.10E-05	0.200252	
4	20	1.748761	1.949024	1.748761	0.200263			2.684075	0.200263	2.483812	
5	21	1.949024	4.633099	1.949024	2.684075			0.000317	2.684075	-2.68376	
6	31	4.633099	4.633416	4.633099	0.000317			0.10459	0.000317	0.104273	
7	32	4.633416	4.738006	4.633416	0.10459			0.002209	0.10459	-0.10238	
8	34	4.738006	4.740215	4.738006	0.002209			0.202915	0.002209	0.200706	
9	35	4.740215	4.94313	4.740215	0.202915			6.551124	0.202915	6.348209	
10	36	4.94313	11.49425	4.94313	6.551124			0.000739	6.551124	-6.55039	
11	106	11.49425	11.49499	11.49425	0.000739			0.026602	0.000739	0.025863	
12	107	11.49499	11.5216	11.49499	0.026602			0.000675	0.026602	-0.02593	
13	109	11.5216	11.52227	11.5216	0.000675			0.000888	0.000675	0.000213	
14	110	11.52227	11.52316	11.52227	0.000888			0.000541	0.000888	-0.00035	
15	111	11.52316	11.5237	11.52316	0.000541			0.086275	0.000541	0.085734	
16	112	11.5237	11.60997	11.5237	0.086275			0.007626	0.086275	-0.07865	
17	122	11.60997	11.6176	11.60997	0.007626			0.012667	0.007626	0.005041	
18	123	11.6176	11.63027	11.6176	0.012667			0.005577	0.012667	-0.00709	
19	124	11.63027	11.63584	11.63027	0.005577			0.000318	0.005577	-0.00526	
20	125	11.63584	11.63616	11.63584	0.000318			0.007141	0.000318	0.006823	
21	126	11.63616	11.6433	11.63616	0.007141			0.00332	0.007141	-0.00382	
22	127	11.6433	11.64662	11.6433	0.00332			0.009507	0.00332	0.006187	
23	128	11.64662	11.65613	11.64662	0.009507			0.000277	0.009507	-0.00923	
24	129	11.65613	11.65641	11.65613	0.000277			0.003062	0.000277	0.002785	
25	130	11.65641	11.65947	11.65641	0.003062			0.019911	0.003062	0.018849	
26	131	11.65947	11.67938	11.65947	0.019911			0.00557	0.019911	-0.01434	
27	132	11.67938	11.68495	11.67938	0.00557			0.000265	0.00557	-0.00531	

Gambar 4. 47 Proses Penghitungan Delay dan Jitter S 2.1

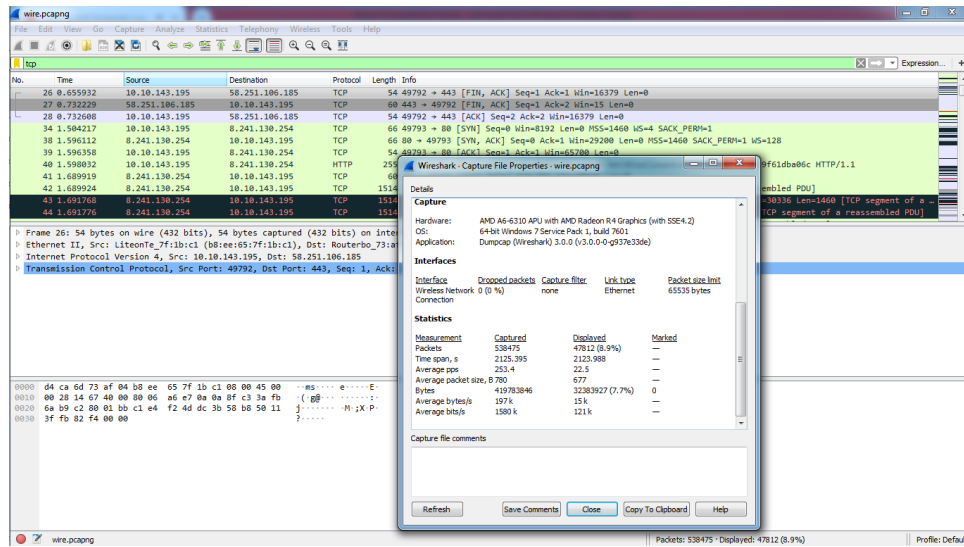


Gambar 4. 48 Jumlah User S 2.1

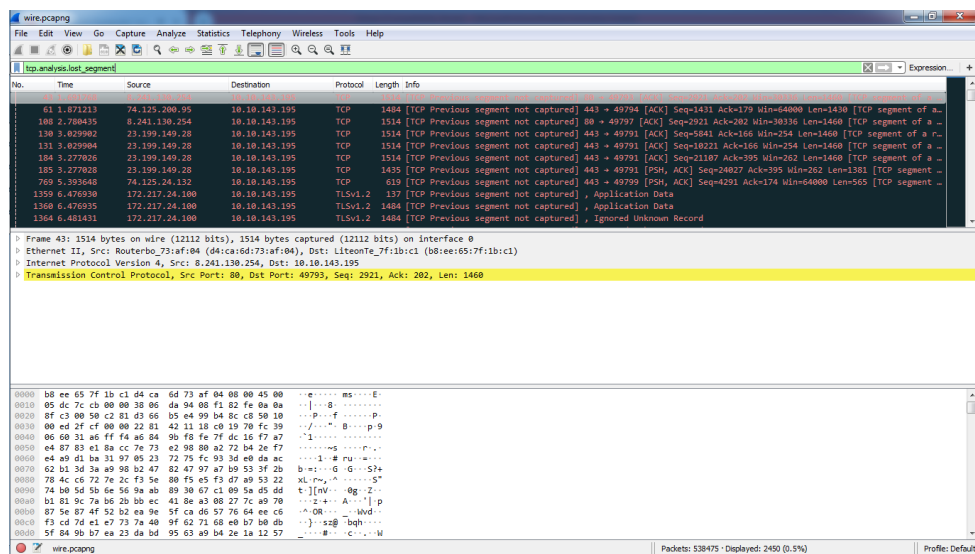


## Hari Tidak Aktif

- Student Lounge Tahap 1



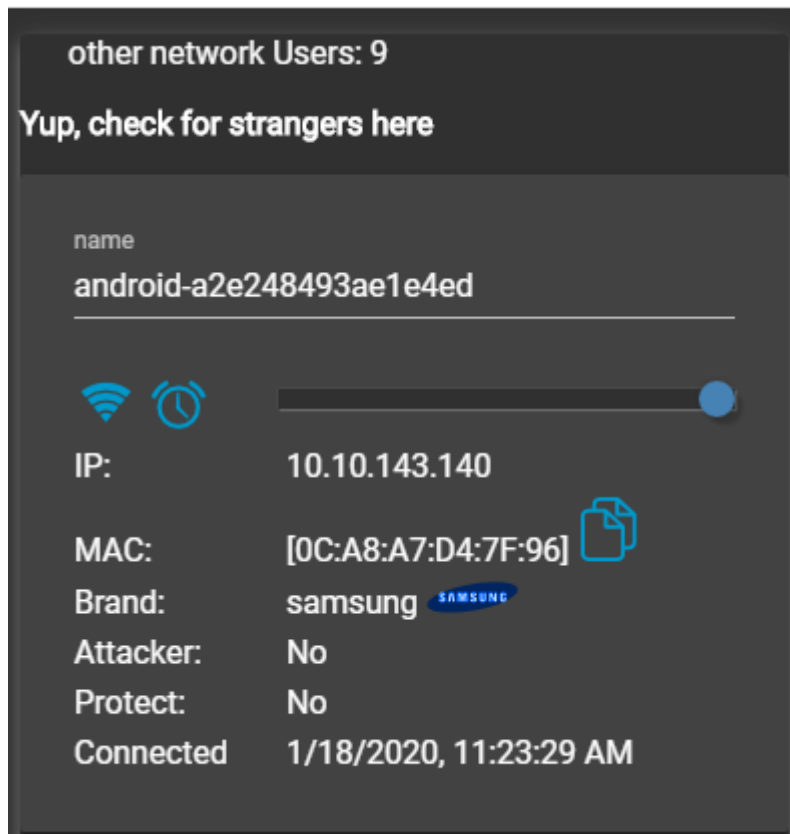
Gambar 4. 49 Hasil Capture Data Student Lounge



Gambar 4. 50 Hasil Capture Data Packet Loss Student Lounge

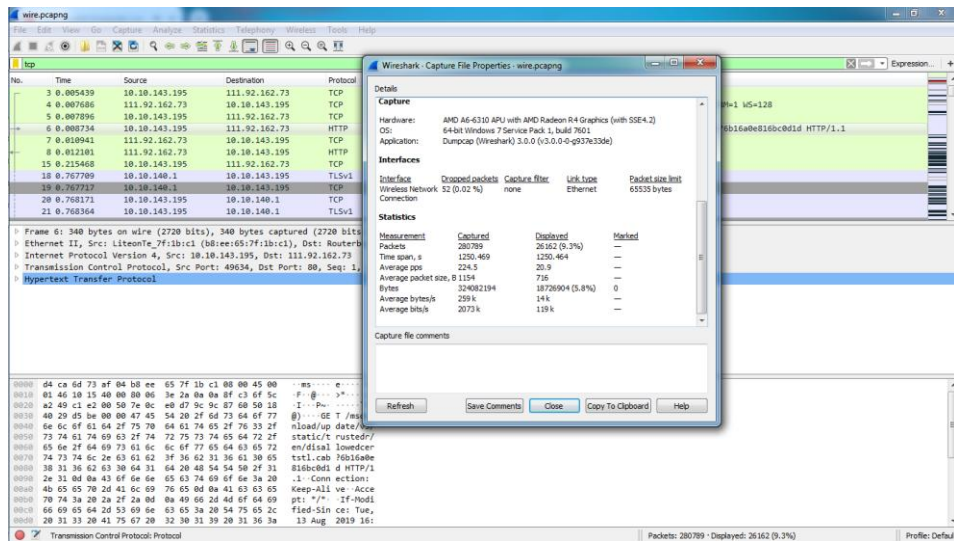
No.	Time	time 2	time 1	delay	total delar	rata delay	delay 2	delay 1	jiter	total jiter	rata jiter	
2	26	0.655932	0.732229	0.655932	0.076297	2123.988	0.003944	0.000379	0.076297	-0.07592	0.217883	4.04E-07
3	27	0.732229	0.732608	0.732229	0.000379			0.771609	0.000379	0.77123		
4	28	0.732608	1.504217	0.732608	0.771609			0.091895	0.771609	-6.7971		
5	34	1.504217	1.596112	1.504217	0.091895			0.000246	0.091895	-0.9165		
6	38	1.596112	1.596358	1.596112	0.000246			0.001674	0.000246	0.001428		
7	39	1.596358	1.598032	1.596358	0.001674			0.091887	0.001674	0.090213		
8	40	1.598032	1.689919	1.598032	0.091887			5.00E-06	0.091887	-0.9188		
9	41	1.689919	1.689924	1.689919	5.00E-06			0.001844	5.00E-06	0.001839		
10	42	1.689924	1.691768	1.689924	0.001844			8.00E-06	0.001844	-0.00184		
11	43	1.691768	1.691776	1.691768	8.00E-06			2.00E-06	8.00E-06	-6.00E-06		
12	44	1.691776	1.691778	1.691776	2.00E-06			4.00E-06	2.00E-06	2.00E-06		
13	45	1.691778	1.691782	1.691778	4.00E-06			3.00E-06	4.00E-06	-1.00E-06		
14	46	1.691782	1.691785	1.691782	3.00E-06			0.000115	3.00E-06	0.000112		
15	47	1.691785	1.6919	1.691785	0.000115			0.103174	0.000115	0.103059		
16	48	1.6919	1.795074	1.6919	0.103174			0.027149	0.103174	-0.07603		
17	49	1.795074	1.822223	1.795074	0.027149			0.000258	0.027149	-0.02689		
18	51	1.822223	1.822481	1.822223	0.000258			0.021462	0.000258	0.021204		
19	52	1.822481	1.843943	1.822481	0.021462			0.019174	0.021462	-0.00229		
20	58	1.843943	1.863117	1.843943	0.019174			0.008087	0.019174	-0.01109		
21	59	1.863117	1.871204	1.863117	0.008087			9.00E-06	0.008087	-0.00808		
22	60	1.871204	1.871213	1.871204	9.00E-06			4.00E-06	9.00E-06	-5.00E-06		
23	61	1.871213	1.871217	1.871213	4.00E-06			9.00E-06	4.00E-06	5.00E-06		
24	62	1.871217	1.871226	1.871217	9.00E-06			0.000197	9.00E-06	0.000188		
25	63	1.871226	1.871423	1.871226	0.000197			0.012042	0.000197	0.011845		
26	64	1.871423	1.883465	1.871423	0.012042			0.032973	0.012042	0.020931		
27	65	1.883465	1.916438	1.883465	0.032973			8.00E-06	0.032973	-0.03297		

Gambar 4. 51 Proses Penghitungan Delay dan Jitter Student Lounge

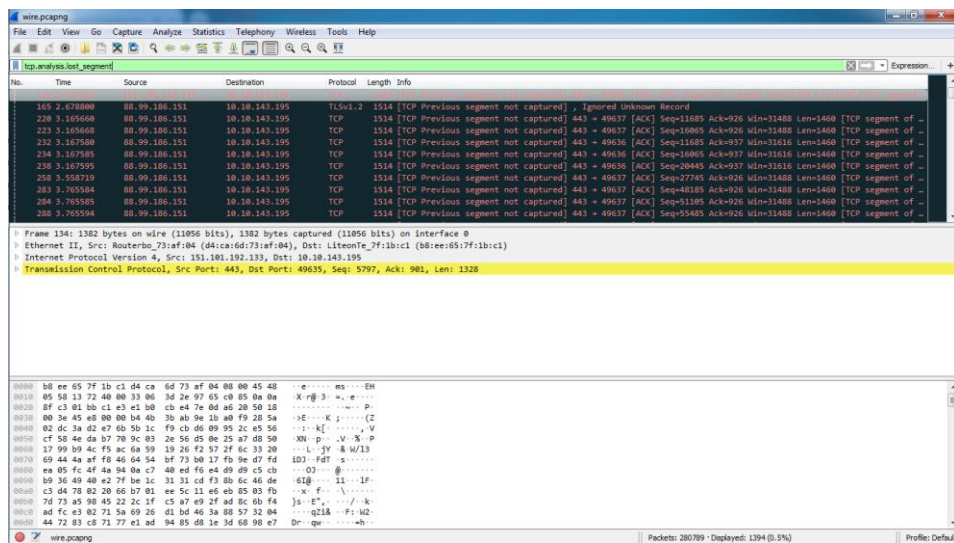


Gambar 4. 52 Jumlah User Student Lounge

- Student Lounge Tahap 2



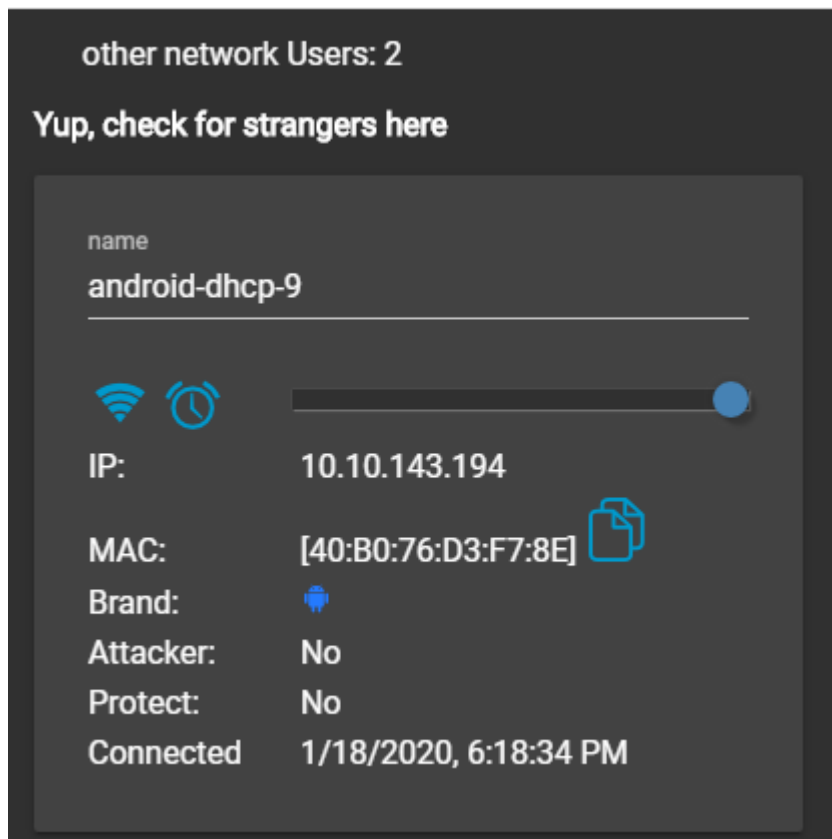
Gambar 4. 53 Hasil Capture Data Student Lounge



Gambar 4. 54 Hasil Capture Data Packet Loss Student Lounge

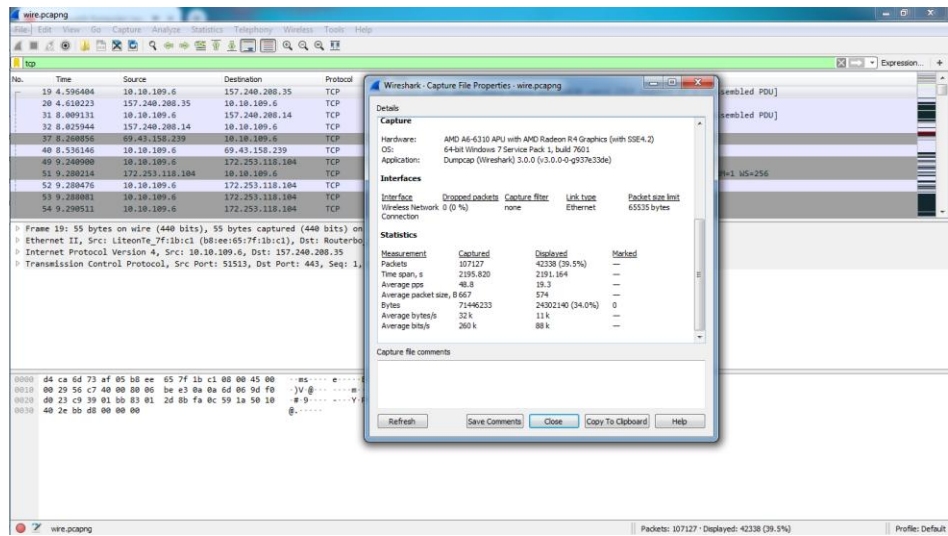
No.	Time	time 2	time 1	delay	total delay	rata delay	delay 2	delay 1	jiter	total jiter	rata jiter
3	0.005439	0.007686	0.005439	0.002247	1250.464	0.004453	0.00021	0.002247	-0.00204	0.043559	1.55E-07
4	0.007896	0.007896	0.007896	0.00021			0.000838	0.00021	0.000628		
5	0.007896	0.008734	0.007896	0.000838			0.002207	0.000838	0.001369		
6	0.008734	0.010941	0.008734	0.002207			0.00116	0.002207	-0.00105		
7	0.010941	0.012101	0.010941	0.00116			0.203367	0.00116	0.202207		
8	0.012101	0.215468	0.012101	0.203367			0.552241	0.203367	0.348874		
15	0.215468	0.767709	0.215468	0.552241			8.00E-06	0.552241	-0.55223		
18	0.767709	0.767717	0.767709	8.00E-06			0.000454	8.00E-06	0.000446		
19	0.767717	0.768171	0.767717	0.000454			0.000193	0.000454	-0.00026		
20	0.768171	0.768364	0.768171	0.000193			0.000117	0.000193	-7.60E-05		
21	0.768364	0.768481	0.768364	0.000117			0.001224	0.000117	0.001107		
22	0.768481	0.769705	0.768481	0.001224			0.001082	0.001224	-0.00014		
23	0.769705	0.770787	0.769705	0.001082			1.445386	0.001082	1.444304		
24	0.770787	2.216173	0.770787	1.445386			0.02242	1.445386	-1.42297		
114	2.216173	2.238593	2.216173	0.02242			0.000426	0.02242	-0.02199		
116	2.238593	2.239019	2.238593	0.000426			0.044846	0.000426	0.04442		
117	2.239019	2.283865	2.239019	0.044846			0.000239	0.044846	-0.04461		
118	2.283865	2.284104	2.283865	0.000239			0.012356	0.000239	0.012117		
119	2.284104	2.29646	2.284104	0.012356			0.067448	0.012356	0.055092		
120	2.29646	2.363908	2.29646	0.067448			0.001755	0.067448	-0.06569		
121	2.363908	2.365663	2.363908	0.001755			7.00E-06	0.001755	-0.00175		
122	2.365663	2.36567	2.365663	7.00E-06			2.00E-06	7.00E-06	-5.00E-06		
123	2.36567	2.365672	2.36567	2.00E-06			0.022745	2.00E-06	0.022743		
124	2.365672	2.388417	2.365672	0.022745			0.048112	0.022745	0.025367		
125	2.388417	2.436529	2.388417	0.048112			5.00E-06	0.048112	-0.04811		
126	2.436529	2.436534	2.436529	5.00E-06			0.000306	5.00E-06	0.000301		

Gambar 4. 55 Proses Penghitungan Delay dan Jitter Student Lounge

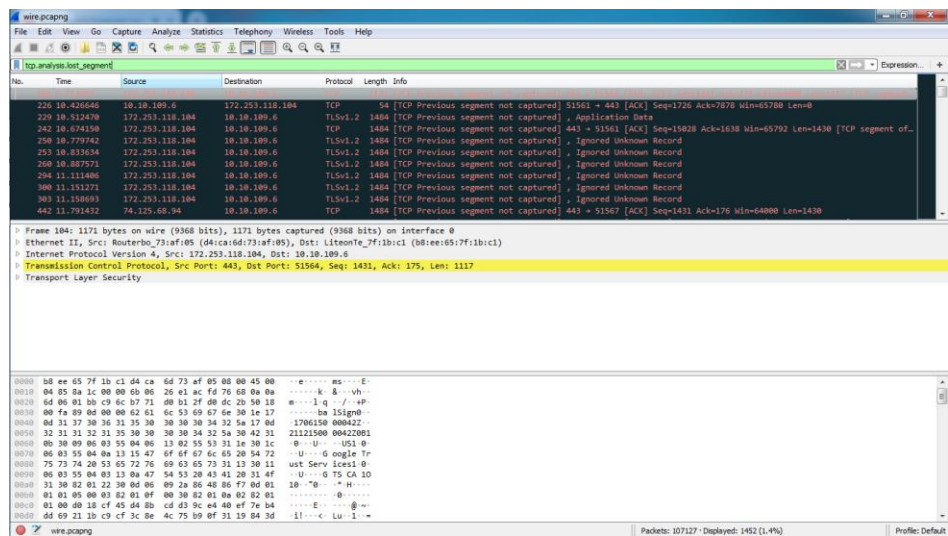


Gambar 4. 56 Jumlah User Student Lounge

- U 2.3 Tahap 1



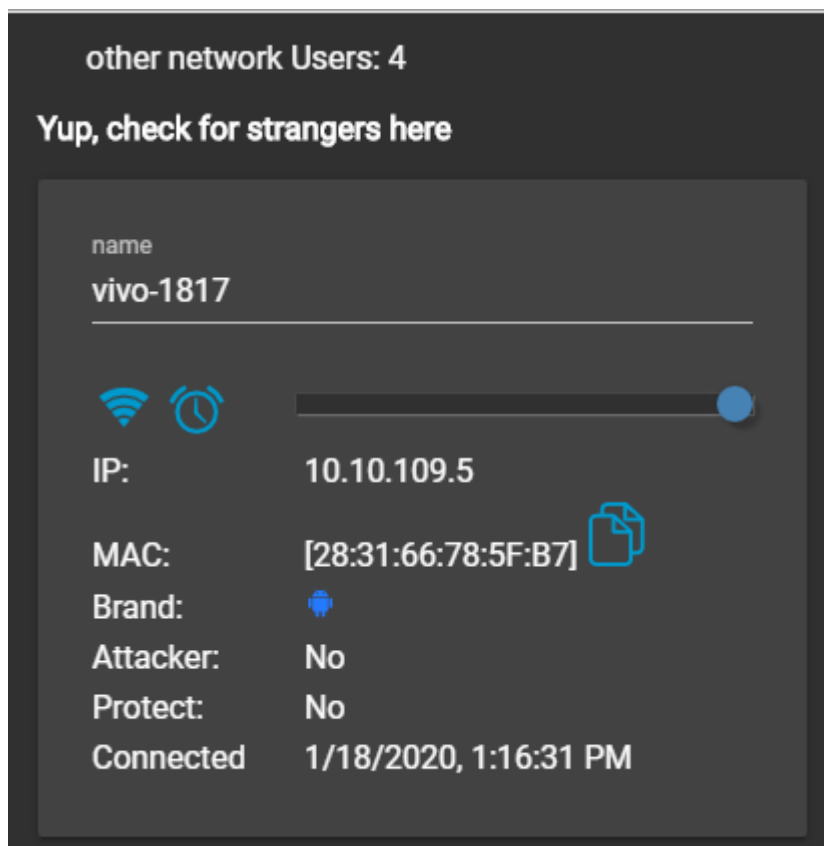
Gambar 4. 57 Hasil Capture Data U 2.3



Gambar 4. 58 Hasil Capture Data Packet Loss U 2.3

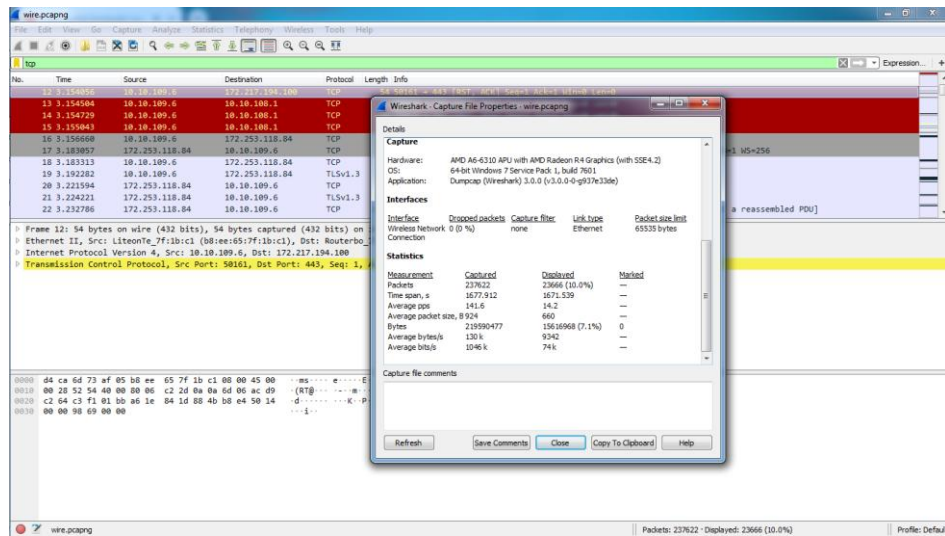
No.	Time	time 2	time 1	delay	total delar	rata delay	delay 2	delay 1	jiter	total jiter	rata jiter
19	4.596404	4.610223	4.596404	0.013819	2191.164	0.020454	3.298908	0.013819	3.385089	0.8398	7.84E-06
20	4.610223	8.009131	4.610223	3.398908			0.016813	3.398908	-3.3821		
31	8.009131	8.025944	8.009131	0.016813			0.234912	0.016813	0.218099		
32	8.025944	8.260856	8.025944	0.234912			0.27529	0.234912	0.040378		
37	8.260856	8.536146	8.260856	0.27529			0.704754	0.27529	0.429464		
40	8.536146	9.2409	8.536146	0.704754			0.039314	0.704754	-0.66544		
49	9.2409	9.280214	9.2409	0.039314			0.000262	0.039314	-0.03905		
51	9.280214	9.280476	9.280214	0.000262			0.007605	0.000262	0.007343		
52	9.280476	9.280881	9.280476	0.007605			0.00243	0.007605	-0.00518		
53	9.280881	9.290511	9.280881	0.00243			0.002999	0.00243	0.000569		
54	9.290511	9.29351	9.290511	0.002999			0.011483	0.002999	-0.01152		
55	9.29351	9.294993	9.29351	0.011483			0.019026	0.011483	0.017543		
56	9.294993	9.314019	9.294993	0.019026			0.000254	0.019026	-0.01877		
59	9.314019	9.314273	9.314019	0.000254			0.002632	0.000254	0.002378		
60	9.314273	9.316905	9.314273	0.002632			0.000238	0.002632	-0.00239		
61	9.316905	9.317143	9.316905	0.000238			0.003095	0.000238	0.002857		
62	9.317143	9.320238	9.317143	0.003095			0.000245	0.003095	-0.00285		
63	9.320238	9.320483	9.320238	0.000245			0.000624	0.000245	0.000379		
64	9.320483	9.321107	9.320483	0.000624			0.00023	0.000624	-0.00039		
65	9.321107	9.321337	9.321107	0.00023			0.00211	0.00023	0.00188		
66	9.321337	9.323447	9.321337	0.00211			0.035533	0.00211	0.033423		
67	9.323447	9.35898	9.323447	0.035533			0.009655	0.035533	-0.02588		
68	9.35898	9.368635	9.35898	0.009655			0.000407	0.009655	-0.00925		
69	9.368635	9.369042	9.368635	0.000407			0.001971	0.000407	0.001564		
70	9.369042	9.371013	9.369042	0.001971			0.225495	0.001971	0.223524		
71	9.371013	9.596608	9.371013	0.225495			0.005165	0.225495	-0.22033		

Gambar 4. 59 Proses Penghitungan Delay dan Jitter U 2.3

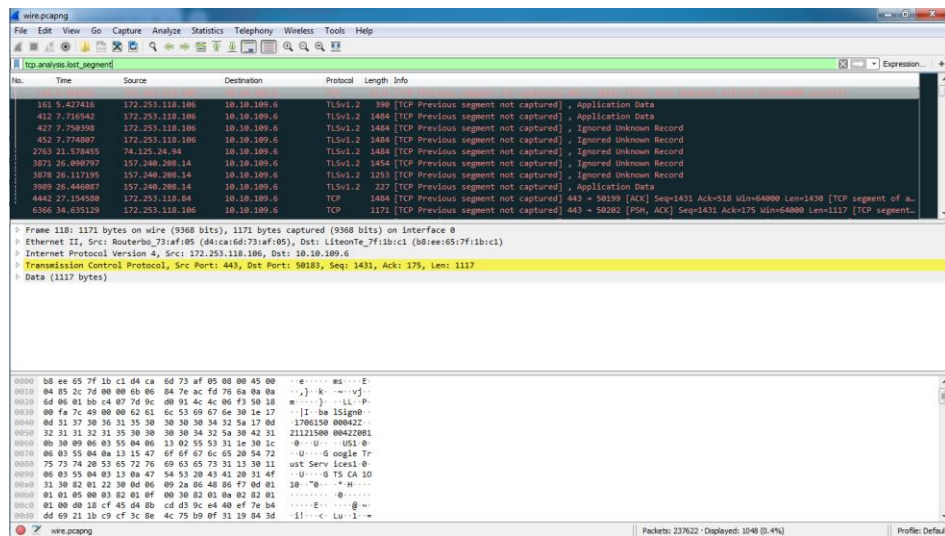


Gambar 4. 60 Jumlah User U 2.3

- U 2.3 Tahap 2



Gambar 4. 61 Hasil Capture Data U 2.3



Gambar 4. 62 Hasil Capture Data Packet Loss U 2.3

No.	Time	time 2	time 1	delay	total delay	rata delay	delay 2	delay 1	jiter	total jiter	rata jiter
12	3.154056	3.154504	3.154056	0.000448	1671.539	0.007034	0.000225	0.000448	-0.00022	0.01445	6.08E-08
13	3.154504	3.154729	3.154504	0.000225			0.000314	0.000225	8.90E-05		
14	3.154729	3.155043	3.154729	0.000314			0.001617	0.000314	0.001303		
15	3.155043	3.15666	3.155043	0.001617			0.026397	0.001617	0.02478		
16	3.15666	3.183057	3.15666	0.026397			0.000256	0.026397	-0.02614		
17	3.183057	3.183313	3.183057	0.000256			0.008969	0.000256	0.008713		
18	3.183313	3.192282	3.183313	0.008969			0.029312	0.008969	0.020343		
19	3.192282	3.221594	3.192282	0.029312			0.002627	0.029312	-0.02669		
20	3.221594	3.224221	3.221594	0.002627			0.008565	0.002627	0.005938		
21	3.224221	3.232786	3.224221	0.008565			7.00E-06	0.008565	-0.00856		
22	3.232786	3.232793	3.232786	7.00E-06			0.000193	7.00E-06	0.000186		
23	3.232793	3.232986	3.232793	0.000193			0.006292	0.000193	0.006099		
24	3.232986	3.239278	3.232986	0.006292			0.000269	0.006292	-0.00602		
25	3.239278	3.239547	3.239278	0.000269			0.00045	0.000269	0.000181		
26	3.239547	3.239997	3.239547	0.00045			0.000177	0.00045	-0.00027		
27	3.239997	3.240174	3.239997	0.000177			0.025512	0.000177	0.025135		
28	3.240174	3.265486	3.240174	0.025512			0.001362	0.025512	-0.02395		
29	3.265486	3.266848	3.265486	0.001362			3.00E-06	0.001362	-0.00136		
30	3.266848	3.266851	3.266848	3.00E-06			3.00E-06	3.00E-06	0		
31	3.266851	3.266854	3.266851	3.00E-06			0.000701	3.00E-06	0.000698		
32	3.266854	3.267555	3.266854	0.000701			0.000222	0.000701	-0.00048		
33	3.267555	3.267777	3.267555	0.000222			0.010602	0.000222	0.01038		
34	3.267777	3.278379	3.267777	0.010602			0.001046	0.010602	-0.00956		
35	3.278379	3.279425	3.278379	0.001046			6.00E-06	0.001046	-0.00104		
36	3.279425	3.279431	3.279425	6.00E-06			0.000196	6.00E-06	0.00019		
37	3.279431	3.279627	3.279431	0.000196			0.003239	0.000196	0.003043		



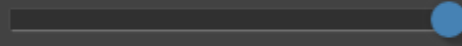
Gambar 4. 63 Proses Penghitungan Delay dan Jitter U 2.3

other network Users: 3


Yup, check for strangers here


name

---

IP: 10.10.108.2

MAC: [44:D9:E7:A4:BD:3B] 

Brand: ubiquiti 

Attacker: No

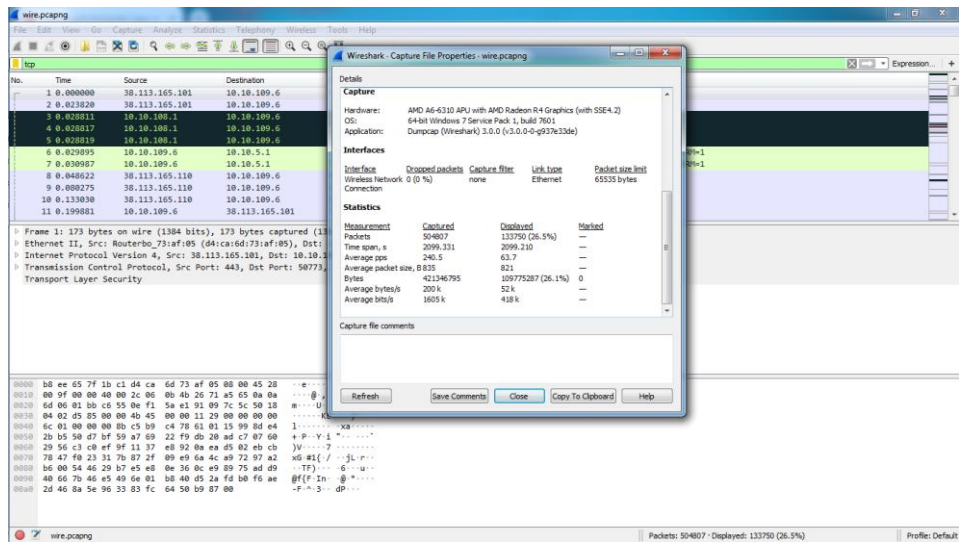
Protect: No

Connected 1/18/2020, 6:36:41 PM

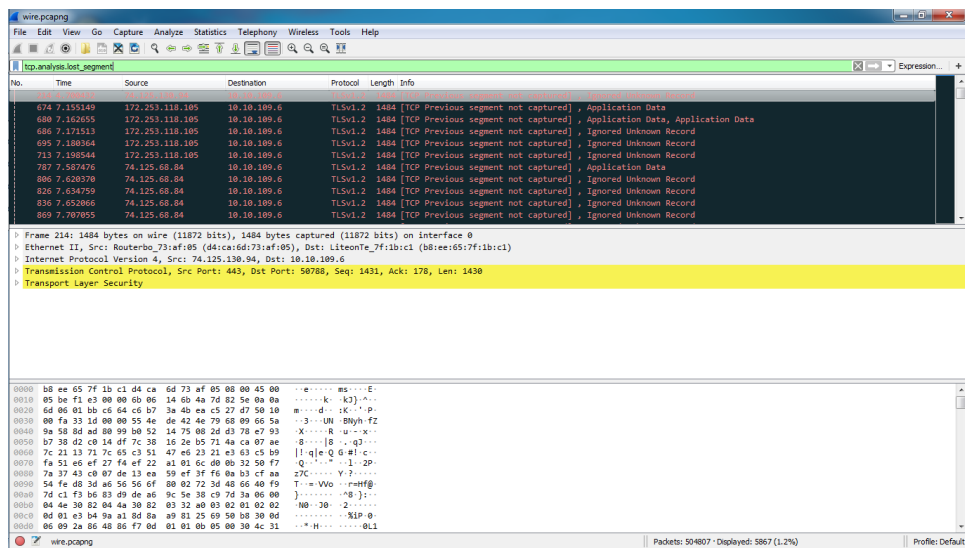
Gambar 4. 64 Jumlah User U 2.3



- U 2.4 Tahap 1



Gambar 4. 65 Hasil Capture Data U 2.4



Gambar 4. 66 Hasil Capture Data Packet Loss U 2.4

No.	Time	time 2	time 1	delay	total delay	rata-rata delay	delay 2	delay 1	jitter	total jitter	rata-rata jitter
1	0	0.02382	0	0.02382	2099.21	0.004158	0.004991	0.02382	-0.01883	-0.0236	-4.68E-08
2	2	0.02382	0.028811	0.02382	0.004991		6.00E-06	0.004991	-0.00499		
3	3	0.028811	0.028817	0.028811	6.00E-06		2.00E-06	6.00E-06	-4.00E-06		
4	4	0.028817	0.028819	0.028817	2.00E-06		0.001076	2.00E-06	0.001074		
5	5	0.028819	0.029895	0.028819	0.001076		0.001092	0.001076	1.60E-05		
6	6	0.029895	0.030987	0.029895	0.001092		0.017635	0.001092	0.016543		
7	7	0.030987	0.048622	0.030987	0.017635		0.011653	0.017635	0.014018		
8	8	0.048622	0.080275	0.048622	0.031653		0.052755	0.031653	0.021102		
9	9	0.080275	0.13303	0.080275	0.052755		0.066851	0.052755	0.014096		
10	10	0.13303	0.199881	0.13303	0.066851		0.031007	0.066851	-0.03584		
11	11	0.199881	0.230888	0.199881	0.031007		0.018996	0.031007	-0.01201		
12	12	0.230888	0.249884	0.230888	0.018996		0.020607	0.018996	0.001611		
13	13	0.249884	0.270491	0.249884	0.020607		0.009402	0.020607	-0.01121		
14	14	0.270491	0.279893	0.270491	0.009402		0.052994	0.009402	0.043592		
15	15	0.279893	0.332887	0.279893	0.052994		0.00282	0.052994	-0.00017		
16	16	0.332887	0.335707	0.332887	0.00282		0.000187	0.00282	-0.00283		
17	17	0.335707	0.335894	0.335707	0.000187		0.001134	0.000187	0.000927		
18	18	0.335894	0.337008	0.335894	0.001134		2.20E-05	0.001134	-0.00109		
19	19	0.337008	0.33703	0.337008	2.20E-05		0.005861	2.20E-05	0.005839		
20	20	0.33703	0.342891	0.33703	0.005861		0.063039	0.005861	0.057178		
21	21	0.342891	0.40593	0.342891	0.063039		6.00E-06	0.063039	-0.06303		
22	22	0.40593	0.405936	0.40593	6.00E-06		1.00E-06	6.00E-06	-5.00E-06		
23	23	0.405936	0.405937	0.405936	1.00E-06		0.026102	1.00E-06	0.026101		
24	24	0.405937	0.432039	0.405937	0.026102		0.065468	0.026102	0.039366		
25	25	0.432039	0.497507	0.432039	0.065468		0.000174	0.065468	-0.06529		
26	26	0.497507	0.497681	0.497507	0.000174		0.000157	0.000174	0.001396		



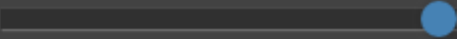
Gambar 4. 67 Proses Penghitungan Delay dan Jitter U 2.4

other network Users: 4


Yup, check for strangers here


name

---

IP: 10.10.108.2

MAC: [44:D9:E7:A4:BD:3B] 

Brand: ubiquiti 

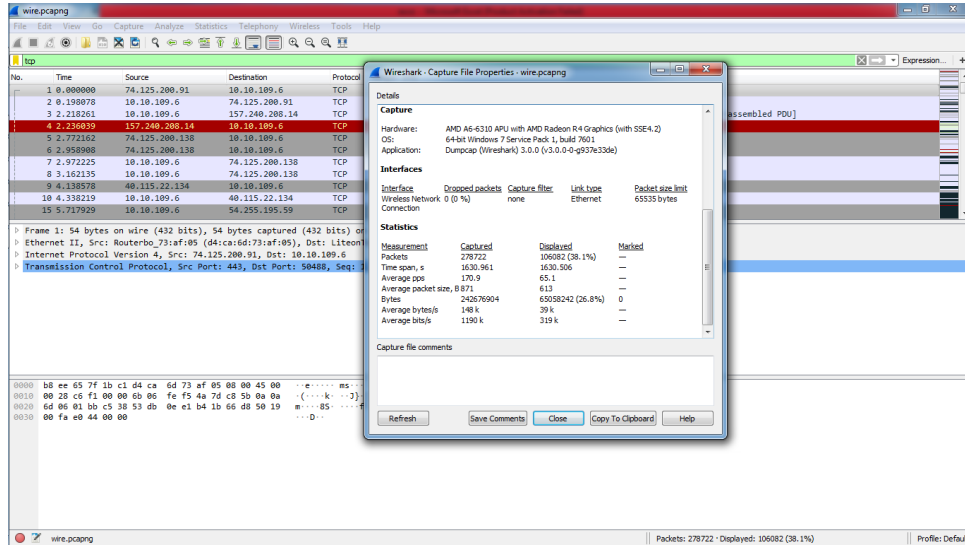
Attacker: No

Protect: No

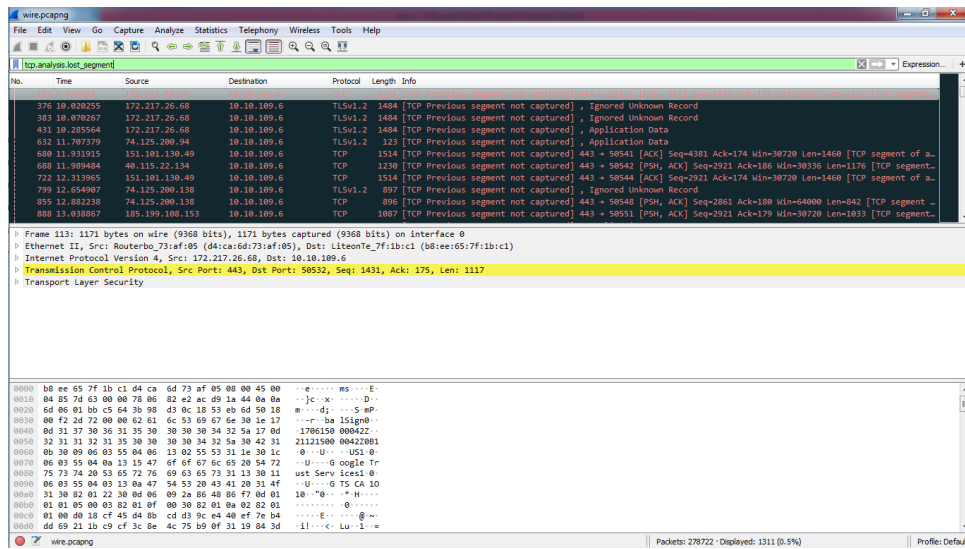
Connected 1/18/2020, 12:04:09 PM

Gambar 4. 68 Jumlah User U 2.4

- U 2.4 Tahap 2



Gambar 4. 69 Hasil Capture Data U 2.4



Gambar 4. 70 Hasil Capture Data Packet Loss U 2.4

No.	time	time 1	time 2	delay	total delay	rata delay	delay 2	delay 1	jitter	total jitter	rata jitter
1	0	0.198078	0	0.198078	1630.506	0.00585	2.020183	0.198078	1.822105	-0.18726	-6.72E-07
2	0.198078	2.218261	0.198078	2.020183			0.017778	2.020183	-2.00241		
3	2.218261	2.236039	2.218261	0.017778			0.536123	0.017778	0.518345		
4	2.236039	2.772162	2.236039	0.536123			0.186746	0.536123	-0.34938		
5	2.772162	2.958908	2.772162	0.186746			0.013317	0.186746	-0.17343		
6	2.958908	2.972225	2.958908	0.013317			0.18991	0.013317	0.176593		
7	2.972225	3.162135	2.972225	0.18991			0.976443	0.18991	0.786533		
8	3.162135	4.138578	3.162135	0.976443			0.199641	0.976443	-0.7768		
9	4.138578	4.338219	4.138578	0.199641			1.37971	0.199641	1.180069		
10	4.338219	5.717929	4.338219	1.37971			0.026604	1.37971	-1.35311		
11	5.717929	5.744533	5.717929	0.026604			0.000181	0.026604	-0.02642		
12	5.744533	5.744714	5.744533	0.000181			0.000458	0.000181	0.000277		
13	5.744714	5.745172	5.744714	0.000458			0.027572	0.000458	0.027114		
14	5.745172	5.772744	5.745172	0.027572			0.004648	0.027572	-0.02292		
15	5.772744	5.777392	5.772744	0.004648			0.126841	0.004648	0.122193		
16	5.777392	5.904233	5.777392	0.126841			0.027071	0.126841	-0.09977		
17	5.904233	5.931476	5.904233	0.027071			0.000172	0.027071	-0.0269		
18	5.931476	5.931476	5.931476	0.000172			0.007933	0.000172	0.007761		
19	5.931476	5.939409	5.931476	0.007933			0.026296	0.007933	0.018363		
20	5.939409	5.965705	5.939409	0.026296			0.001381	0.026296	-0.02492		
21	5.965705	5.967086	5.965705	0.001381			0.010002	0.001381	0.008621		
22	5.967086	5.977088	5.967086	0.010002			0.010044	0.010002	4.20E-05		
23	5.977088	5.977088	5.977088	0.010044			0.010476	0.010044	0.000432		
24	5.977088	5.997608	5.977088	0.010476			0.000828	0.010476	-0.00965		
25	5.997608	5.998436	5.997608	0.000828			7.70E-05	0.000828	-0.00075		
26	5.998436	5.998513	5.998436	7.70E-05			0.025496	7.70E-05	0.025419		
27											

Gambar 4. 71 Proses Penghitungan Delay dan Jitter U 2.4

other network Users: 3

Yup, check for strangers here

name

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IP: 10.10.108.2

MAC: [44:D9:E7:A4:BD:3B]

Brand: ubiquiti

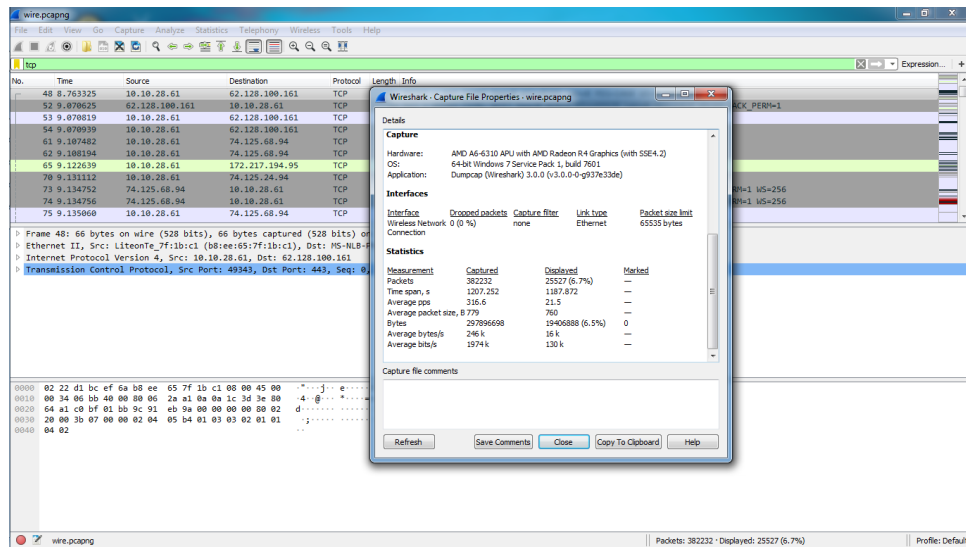
Attacker: No

Protect: No

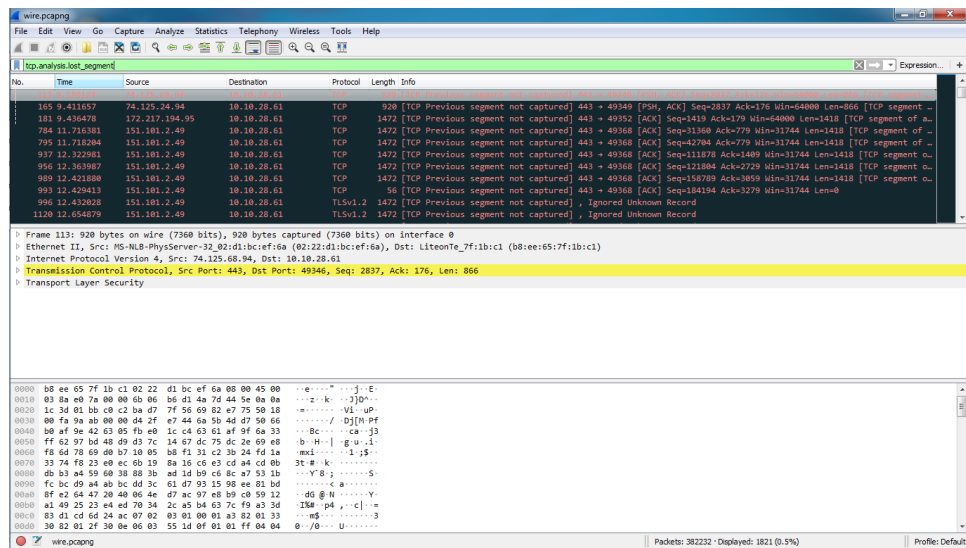
Connected 1/18/2020, 7:13:21 PM

Gambar 4. 72 Jumlah User U 2.4

- T 3.S Tahap 1



Gambar 4. 73 Hasil Capture Data T 3.S



Gambar 4. 74 Hasil Capture Data Packet Loss T 3.S

No.	Time	time 2	time 1	delay	total delay	rata delay	delay 2	delay 1	jitter	total jitter	rata jitter
48	8.763325	9.070625	8.763325	0.3072	1187.872	0.003108	0.000194	0.3073	-0.30711	-0.27932	-7.31E-07
52	9.070819	9.070819	9.070819	0.00012			0.00012	0.000194	-7.40E-05		
53	9.070939	9.070939	9.070819	0.00012			0.036543	0.00012	0.036423		
54	9.070939	9.107482	9.070939	0.036543			0.000712	0.036543	-0.03583		
61	9.107482	9.108194	9.107482	0.000712			0.014445	0.000712	0.013733		
62	9.108194	9.122639	9.108194	0.014445			0.008473	0.014445	-0.00597		
65	9.122639	9.131112	9.122639	0.008473			0.00364	0.008473	-0.00483		
70	9.131112	9.134752	9.131112	0.00364			4.00E-06	0.00364	-0.00364		
73	9.134752	9.134756	9.134752	4.00E-06			0.000304	4.00E-06	0.0003		
74	9.134756	9.13506	9.134756	0.000304			0.000157	0.000304	-0.00015		
75	9.13506	9.135217	9.13506	0.000157			0.015454	0.000157	0.015297		
76	9.135217	9.150671	9.135217	0.015454			0.000243	0.015454	-0.01521		
81	9.150671	9.150914	9.150671	0.000243			0.004357	0.000243	0.00414		
82	9.150914	9.155271	9.150914	0.004357			0.00257	0.004357	-0.00179		
87	9.155271	9.157841	9.155271	0.00257			0.000124	0.00257	-0.00245		
91	9.157841	9.157965	9.157841	0.000124			9.20E-05	0.000124	-3.20E-05		
92	9.157965	9.158057	9.157965	9.20E-05			0.0248	9.20E-05	0.024708		
93	9.158057	9.182857	9.158057	0.0248			7.00E-06	0.0248	-0.02479		
105	9.182857	9.182864	9.182857	7.00E-06			2.00E-06	7.00E-06	-5.00E-06		
107	9.182864	9.182866	9.182864	2.00E-06			0.000491	2.00E-06	0.000489		
108	9.182866	9.183357	9.182866	0.000491			0.000134	0.000491	-0.00036		
109	9.183357	9.183491	9.183357	0.000134			0.000697	0.000134	0.000563		
110	9.183491	9.184188	9.183491	0.000697			0.001931	0.000697	0.001234		
111	9.184188	9.186119	9.184188	0.001931			5.00E-06	0.001931	-0.00193		
112	9.186119	9.186124	9.186119	5.00E-06			2.00E-06	5.00E-06	-3.00E-06		
113	9.186124	9.186126	9.186124	2.00E-06			0.000172	2.00E-06	0.00017		

Gambar 4. 75 Proses Penghitungan Delay dan Jitter T 3.S

other network Users: 1

Yup, check for strangers here

name  
android-dhcp-9

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IP: 10.10.28.58

MAC: [40:B0:76:D3:F7:8E]

Brand:

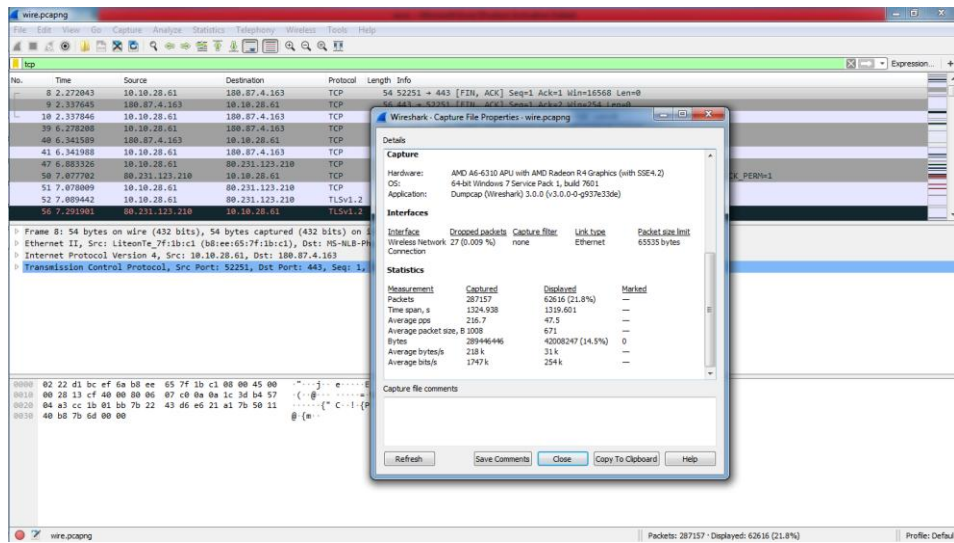
Attacker: No

Protect: No

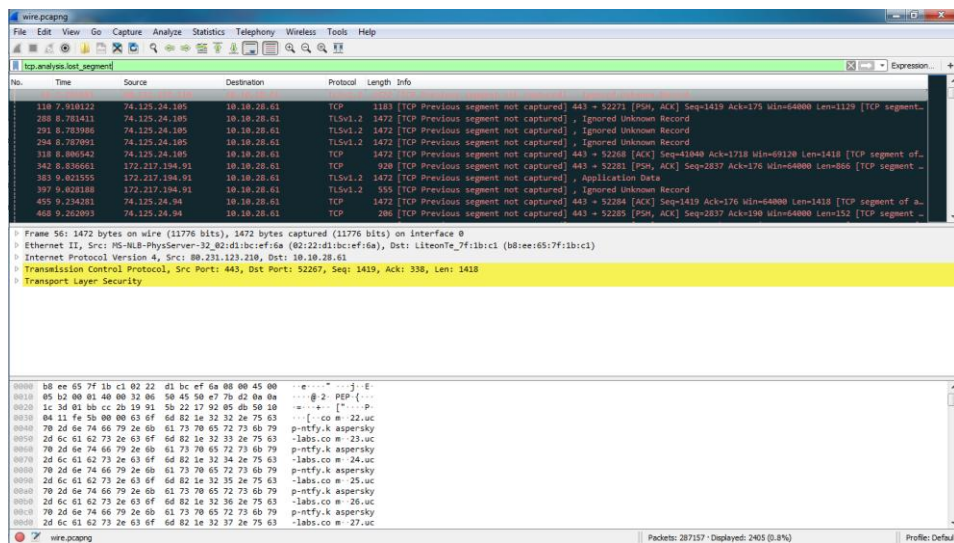
Connected 1/18/2020, 3:19:01 PM

Gambar 4. 76 Jumlah User T 3.S

- T 3.S Tahap 2



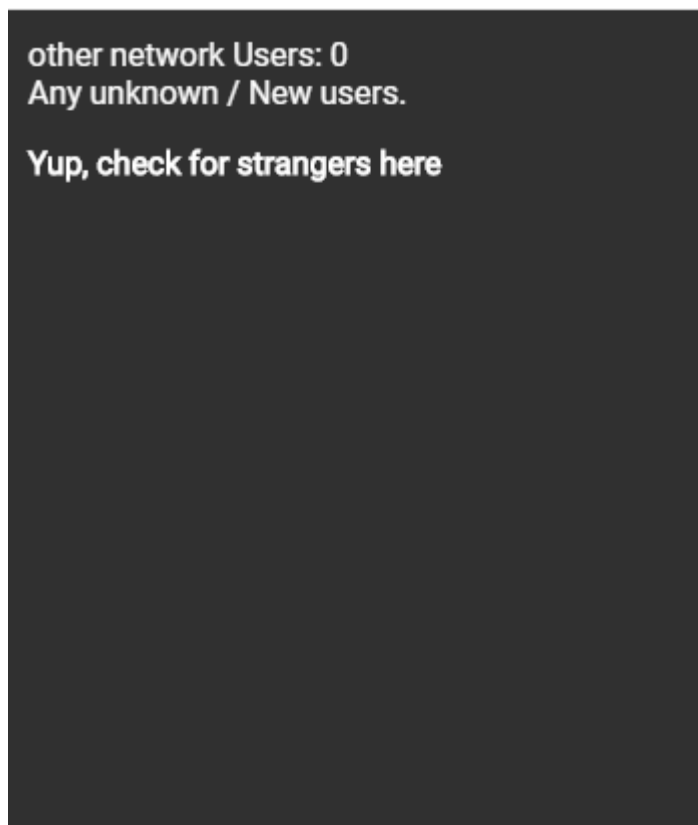
Gambar 4. 77 Hasil Capture Data T 3.S



Gambar 4. 78 Hasil Capture Data Packet Loss T 3.S

No.	Time	time 2	time 1	delay	total delay	rata delay	delay 2	delay 1	jitter	total jitter	rata jitter
8	2.272043	2.337846	2.272043	0.065802	1319.601	0.004595	0.000201	0.065802	-0.0654	-0.0653	-2.276-07
9	2.337846	2.337846	2.337846	0.000201			3.940362	0.000201	3.940161		
10	2.337846	6.278208	2.337846	3.940362			0.063381	3.940362	-3.87898		
39	6.278208	6.341589	6.278208	0.063381			0.000399	0.063381	-0.06298		
40	6.341589	6.341988	6.341589	0.000399			0.541338	0.000399	0.540939		
41	6.341988	6.883326	6.341988	0.541338			0.194376	0.541338	-0.34696		
47	6.883326	7.077702	6.883326	0.194376			0.000307	0.194376	-0.19407		
50	7.077702	7.078009	7.077702	0.000307			0.011433	0.000307	0.011126		
51	7.078009	7.089442	7.078009	0.011433			0.202459	0.011433	0.191028		
52	7.089442	7.291901	7.089442	0.202459			8.00E-06	0.202459	-0.20245		
56	7.291901	7.291909	7.291901	8.00E-06			2.00E-06	8.00E-06	-6.00E-06		
57	7.291909	7.291911	7.291909	2.00E-06			5.00E-06	2.00E-06	3.00E-06		
58	7.291911	7.291916	7.291911	5.00E-06			0.00011	5.00E-06	0.000105		
59	7.291916	7.292026	7.291916	0.00011			0.000211	0.00011	0.000101		
60	7.292026	7.292237	7.292026	0.000211			0.00012	0.000211	-9.10E-05		
61	7.292237	7.292357	7.292237	0.00012			0.00252	0.00012	0.0024		
62	7.292357	7.294877	7.292357	0.00252			8.00E-06	0.00252	-0.00251		
63	7.294877	7.294885	7.294877	8.00E-06			3.00E-06	8.00E-06	-5.00E-06		
64	7.294885	7.294888	7.294885	3.00E-06			0.000153	3.00E-06	0.00015		
65	7.294888	7.295041	7.294888	0.000153			0.311325	0.000153	0.311172		
66	7.295041	7.606366	7.295041	0.311325			0.04529	0.311325	-0.26604		
73	7.606366	7.651656	7.606366	0.04529			0.000683	0.04529	-0.04461		
74	7.651656	7.652339	7.651656	0.000683			0.000553	0.000683	-0.00013		
75	7.652339	7.652892	7.652339	0.000553			0.000693	0.000553	0.00014		
76	7.652892	7.653585	7.652892	0.000693			0.025833	0.000693	0.02534		
77	7.653585	7.679418	7.653585	0.025833			6.00E-06	0.025833	-0.02583		

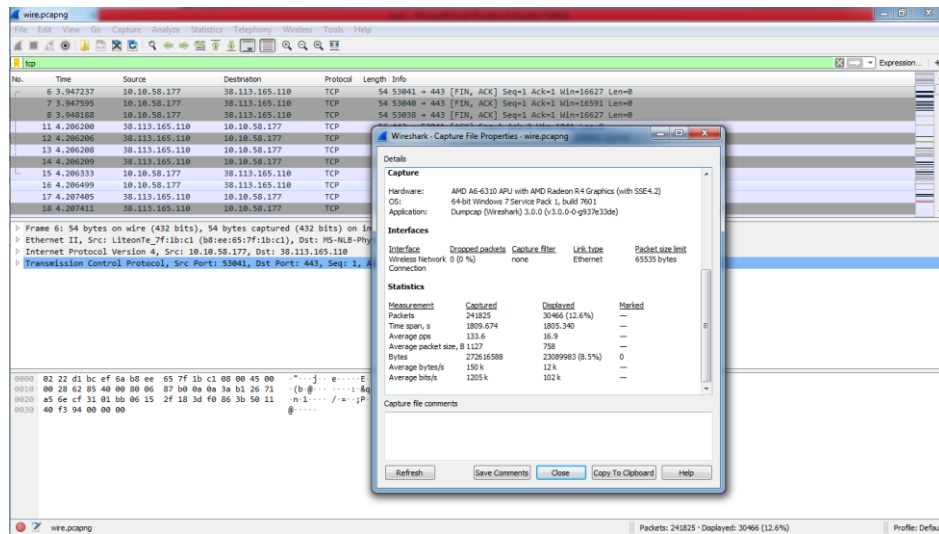
Gambar 4. 79 Proses Penghitungan Delay dan Jitter T 3.S



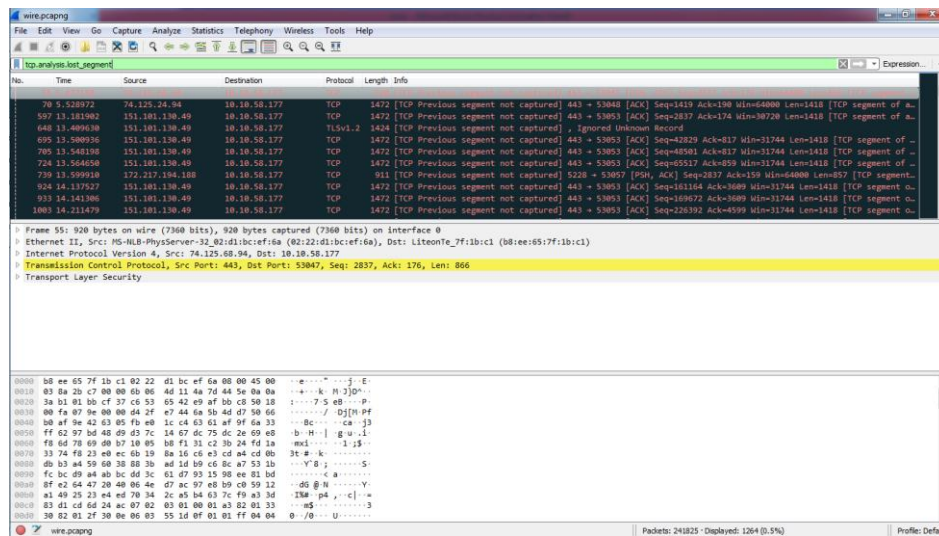
Gambar 4. 80 Jumlah User T 3.S



- T 3.U Tahap 1



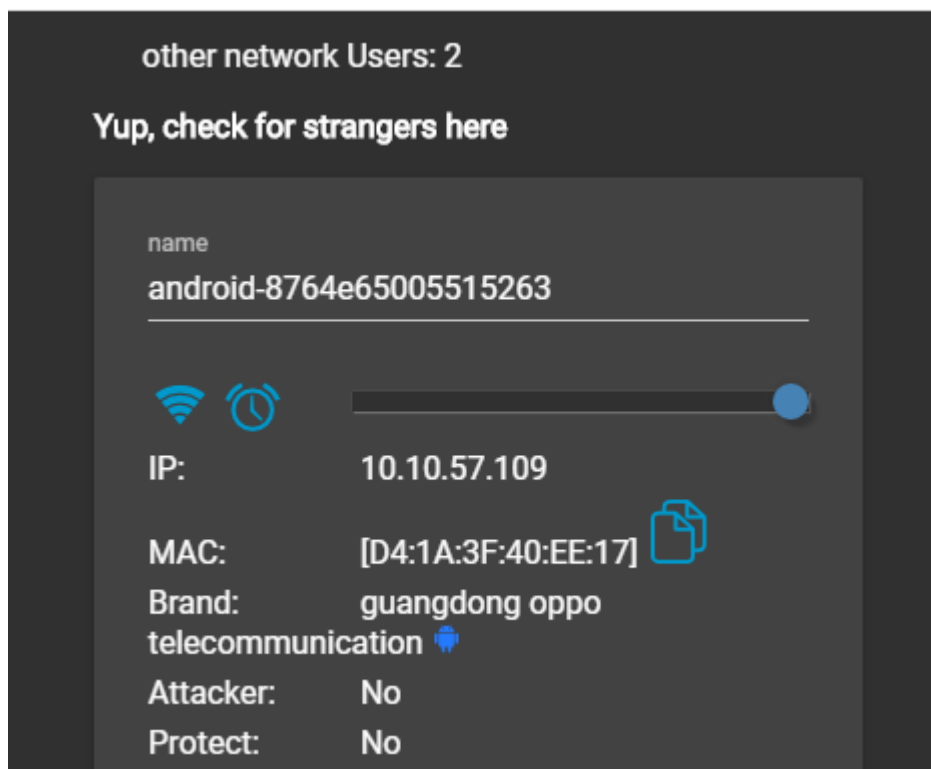
Gambar 4. 81 Hasil Capture Data T 3.U



Gambar 4. 82 Hasil Capture Data Packet Loss T 3.U

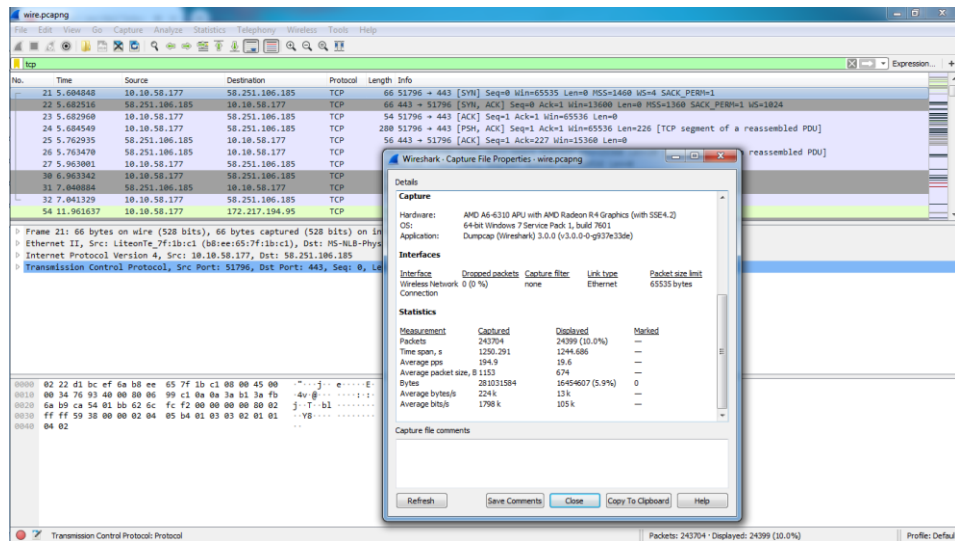
No.	Time	time 2	time 1	delay	total delay	rata delay	delay 2	delay 1	jiter	total jiter	rata jiter
6	3.947237	3.947595	3.947237	0.000358	1805.34	0.007465	0.000593	0.000358	0.000235	0.176343	7.29E-07
7	3.947595	3.948188	3.947595	0.000593			0.258012	0.000593	0.257419		
8	3.948188	4.2062	3.948188	0.258012			6.00E-06	0.258012	-0.25801		
11	4.2062	4.206206	4.2062	6.00E-06			2.00E-06	6.00E-06	-4.00E-06		
12	4.206206	4.206208	4.206206	2.00E-06			1.00E-06	2.00E-06	-1.00E-06		
13	4.206208	4.206209	4.206208	1.00E-06			0.000124	1.00E-06	0.000123		
14	4.206209	4.206333	4.206209	0.000124			0.000166	0.000124	4.20E-05		
15	4.206333	4.206499	4.206333	0.000166			0.000906	0.000166	0.000074		
16	4.206499	4.207405	4.206499	0.000906			8.00E-06	0.000906	-0.0009		
17	4.207405	4.207411	4.207405	6.00E-06			0.000124	6.00E-06	0.000118		
18	4.207411	4.207535	4.207411	0.000124			1.178936	0.000124	1.178812		
19	4.207535	5.386471	4.207535	1.178936			0.00195	1.178936	-1.17699		
36	5.386471	5.388421	5.386471	0.00195			0.025476	0.00195	0.023526		
37	5.388421	5.413897	5.388421	0.025476			0.000241	0.025476	-0.02524		
39	5.413897	5.414138	5.413897	0.000241			0.000796	0.000241	0.000555		
40	5.414138	5.414934	5.414138	0.000796			0.000219	0.000796	-0.00058		
41	5.414934	5.415153	5.414934	0.000219			0.025736	0.000219	0.025517		
42	5.415153	5.440889	5.415153	0.025736			0.000963	0.025736	-0.02477		
43	5.440889	5.441852	5.440889	0.000963			0.003276	0.000963	0.002313		
44	5.441852	5.445128	5.441852	0.003276			0.023911	0.003276	0.020635		
45	5.445128	5.469039	5.445128	0.023911			7.00E-06	0.023911	-0.0239		
47	5.469039	5.469046	5.469039	7.00E-06			0.00034	7.00E-06	0.000333		
48	5.469046	5.469386	5.469046	0.00034			0.001459	0.00034	0.001119		
49	5.469386	5.470845	5.469386	0.001459			1.00E-05	0.001459	-0.00145		
50	5.470845	5.470855	5.470845	1.00E-05			3.00E-06	1.00E-05	-7.00E-06		
51	5.470855	5.470858	5.470855	3.00E-06			0.004446	3.00E-06	0.004443		

Gambar 4. 83 Proses Penghitungan Delay dan Jitter T 3.U

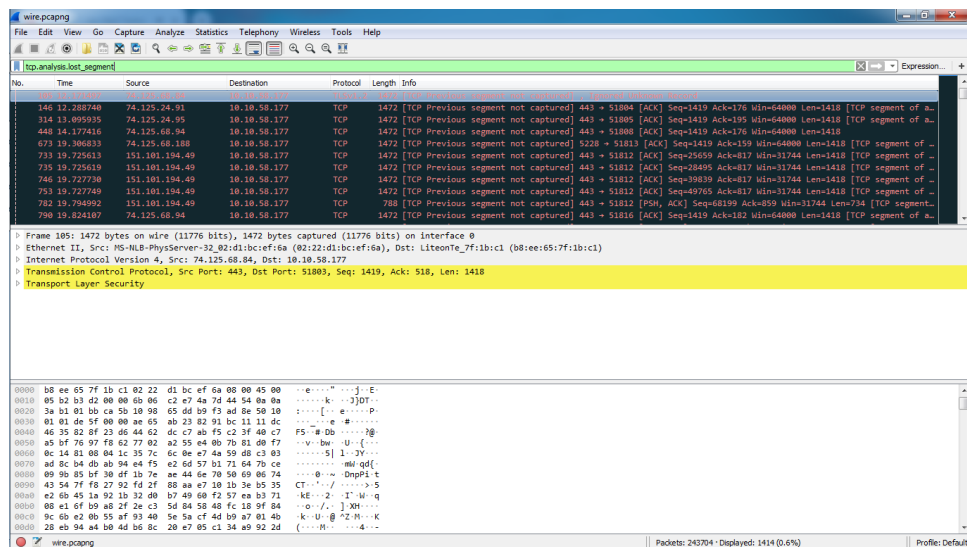


Gambar 4. 84 Jumlah User T 3.U

- T 3.U Tahap 2



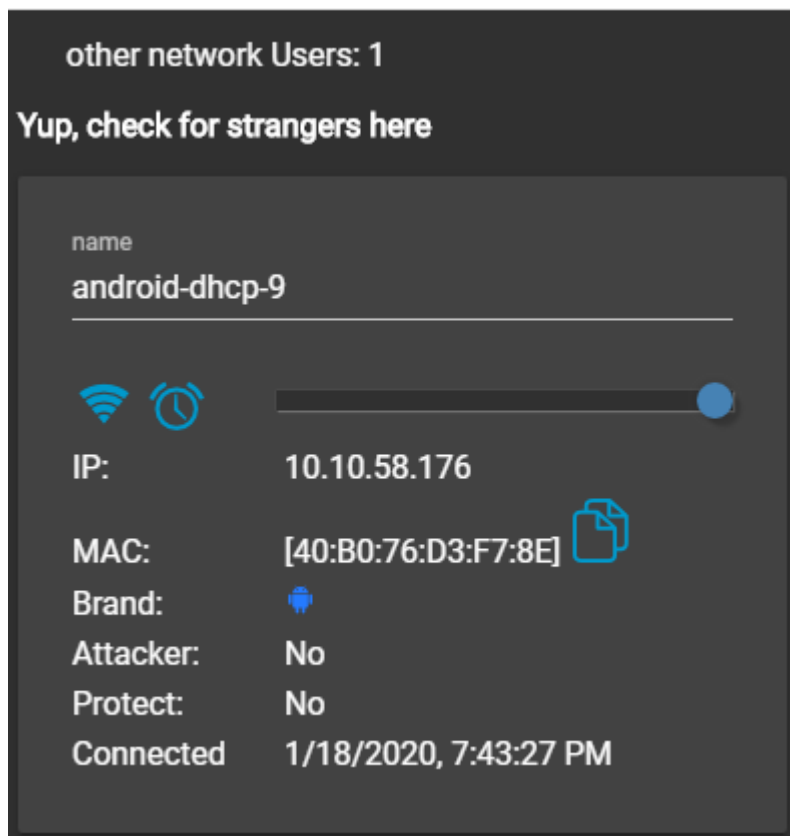
Gambar 4. 85 Hasil Capture Data T 3.U



Gambar 4. 86 Hasil Capture Data Packet Loss T 3.U

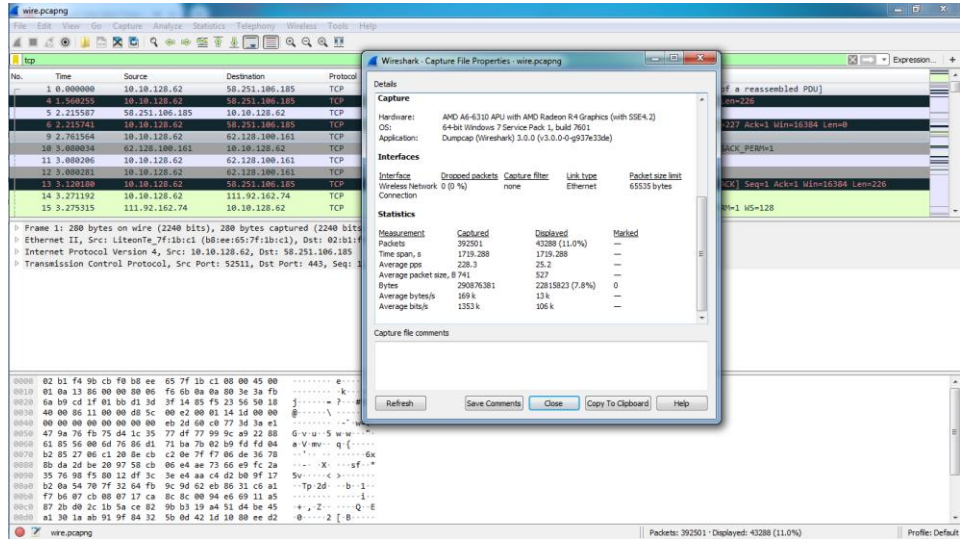
No.	Time	time 2	time 1	delay	total dela:	rata delay	delay 2	delay 1	jiter	total jiter	rata jiter
21	5.604848	5.682516	5.604848	0.077668	1244.686	0.005107	0.000444	0.077668	-0.07722	6.037795	2.48E-05
22	5.682516	5.68296	5.682516	0.000444			0.001589	0.000444	0.001145		
23	5.68296	5.684549	5.68296	0.001589			0.078386	0.001589	0.076797		
24	5.684549	5.782935	5.684549	0.078386			0.000535	0.078386	-0.07785		
25	5.782935	5.76347	5.782935	0.000535			0.199531	0.000535	0.198996		
26	5.76347	5.963001	5.76347	0.199531			1.000341	0.199531	0.80081		
27	5.963001	6.963342	5.963001	1.000341			0.077542	1.000341	-0.9228		
30	6.963342	7.040884	6.963342	0.077542			0.000445	0.077542	-0.0771		
31	7.040884	7.041329	7.040884	0.000445			4.920308	0.000445	4.919863		
32	7.041329	11.96164	7.041329	4.920308			0.016392	4.920308	-4.90392		
54	11.96164	11.97803	11.96164	0.016392			0.011633	0.016392	-0.00476		
58	11.97803	11.98966	11.97803	0.011633			0.000244	0.011633	-0.01139		
61	11.98966	11.98991	11.98966	0.000244			0.015625	0.000244	0.015381		
62	11.98991	12.00553	11.98991	0.015625			0.000242	0.015625	-0.01538		
67	12.00553	12.00577	12.00553	0.000242			0.017894	0.000242	0.017652		
70	12.00577	12.02367	12.00577	0.017894			0.027707	0.017894	0.009813		
74	12.02367	12.05137	12.02367	0.027707			0.000251	0.027707	-0.02746		
75	12.05137	12.05163	12.05137	0.000251			0.034717	0.000251	0.034466		
76	12.05163	12.08634	12.05163	0.034717			0.001544	0.034717	-0.03317		
81	12.08634	12.08789	12.08634	0.001544			0	0.001544	-0.00154		
82	12.08789	12.08789	12.08789	0			0.028258	0	0.028258		
83	12.08789	12.11614	12.08789	0.028258			6.00E-06	0.028258	-0.02825		
84	12.11614	12.11615	12.11614	6.00E-06			2.00E-06	6.00E-06	-4.00E-06		
85	12.11615	12.11615	12.11615	2.00E-06			0.000369	2.00E-06	0.000367		
86	12.11615	12.11652	12.11615	0.000369			0.000149	0.000369	-0.00022		
87	12.11652	12.11667	12.11652	0.000149			0.000512	0.000149	0.000363		

Gambar 4. 87 Proses Penghitungan Delay dan Jitter T 3.U

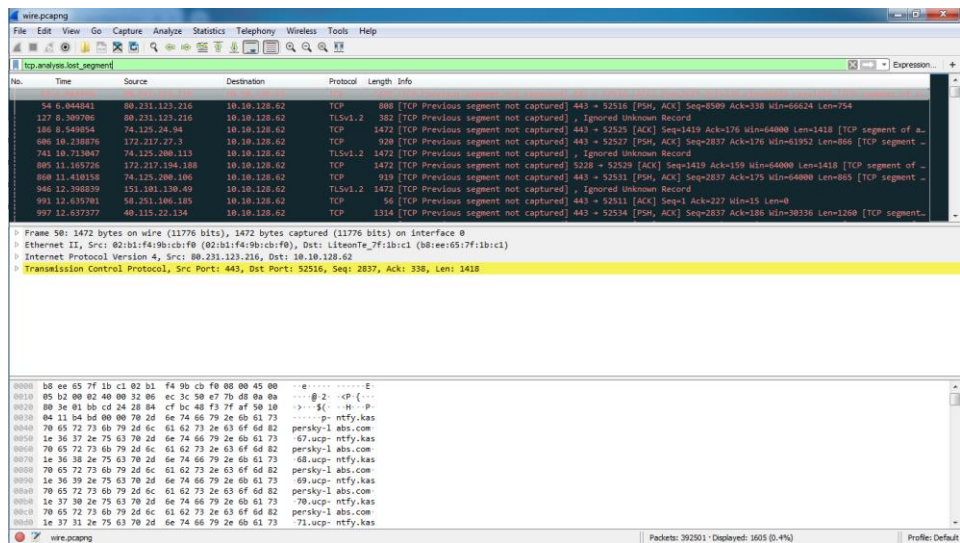


Gambar 4. 88 Jumlah User T 3.U

- S 2.1 Tahap 1



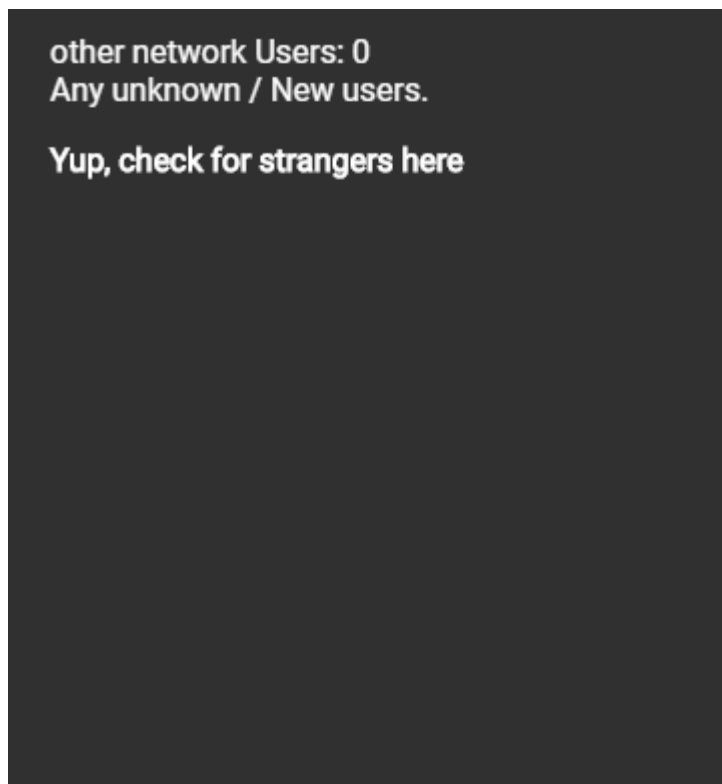
Gambar 4. 89 Hasil Capture Data S 2.1



Gambar 4. 90 Hasil Capture Data Packet Loss S 2.1

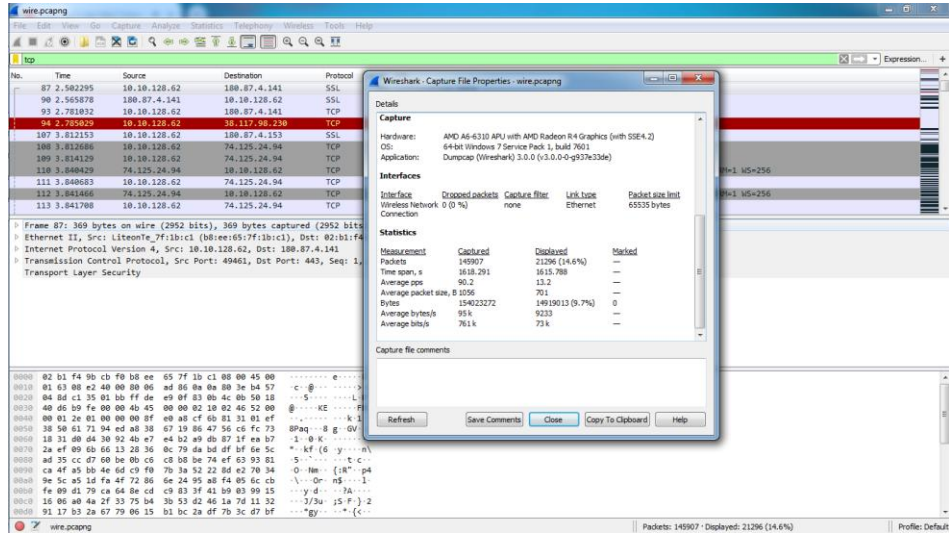
No.	time	time 2	time 1	delay	total delay	rata delay	delay 2	delay 1	jitter	total jitter	rata jitter
1	1	0	1.560255	0	1.560255	1719.288	0.00438	0.655332	1.560255	-0.90492	-1.52061
2	4	1.560255	2.215587	1.560255	0.655332			0.000154	0.655332	-0.65518	
3	5	2.215587	2.215741	2.215587	0.000154			0.545823	0.000154	0.545669	
4	6	2.215741	2.761564	2.215741	0.545823			0.31847	0.545823	-0.22735	
5	9	2.761564	3.080034	2.761564	0.31847			0.000172	0.31847	-0.3183	
6	10	3.080034	3.080206	3.080034	0.000172			7.50E-05	0.000172	-9.70E-05	
7	11	3.080206	3.080281	3.080206	7.50E-05			0.039899	7.50E-05	0.039824	
8	12	3.080281	3.12018	3.080281	0.039899			0.151012	0.039899	0.111113	
9	13	3.12018	3.271192	3.12018	0.151012			0.004123	0.151012	-0.14689	
10	14	3.271192	3.275315	3.271192	0.004123			0.000233	0.004123	-0.00389	
11	15	3.275315	3.275548	3.275315	0.000233			0.000924	0.000233	0.000691	
12	16	3.275548	3.276472	3.275548	0.000924			0.003321	0.000924	0.002397	
13	17	3.276472	3.279793	3.276472	0.003321			9.00E-06	0.003321	-0.00331	
14	18	3.279793	3.279802	3.279793	9.00E-06			1.00E-06	9.00E-06	-8.00E-06	
15	19	3.279802	3.279803	3.279802	1.00E-06			0.006573	1.00E-06	0.006572	
16	20	3.279803	3.286376	3.279803	0.006573			0.000272	0.006573	-0.0063	
17	21	3.286376	3.286648	3.286376	0.000272			0.002538	0.000272	0.002286	
18	22	3.286648	3.289186	3.286648	0.002538			0.11112	0.002538	0.108582	
19	23	3.289186	3.400306	3.289186	0.11112			1.10E-05	0.11112	-0.11111	
20	24	3.400306	3.400317	3.400306	1.10E-05			0.000175	1.10E-05	0.000164	
21	25	3.400317	3.400492	3.400317	0.000175			1.457184	0.000175	1.457009	
22	26	3.400492	4.857676	3.400492	1.457184			0.227519	1.457184	-1.22967	
23	33	4.857676	5.085195	4.857676	0.227519			6.00E-06	0.227519	-0.22751	
24	35	5.085195	5.085201	5.085195	6.00E-06			0.000134	6.00E-06	0.000128	
25	36	5.085201	5.085335	5.085201	0.000134			0.54678	0.000134	0.546646	
26	37	5.085335	5.632115	5.085335	0.54678			0.193995	0.54678	-0.35279	

Gambar 4. 91 Proses Penghitungan Delay dan Jitter S 2.1

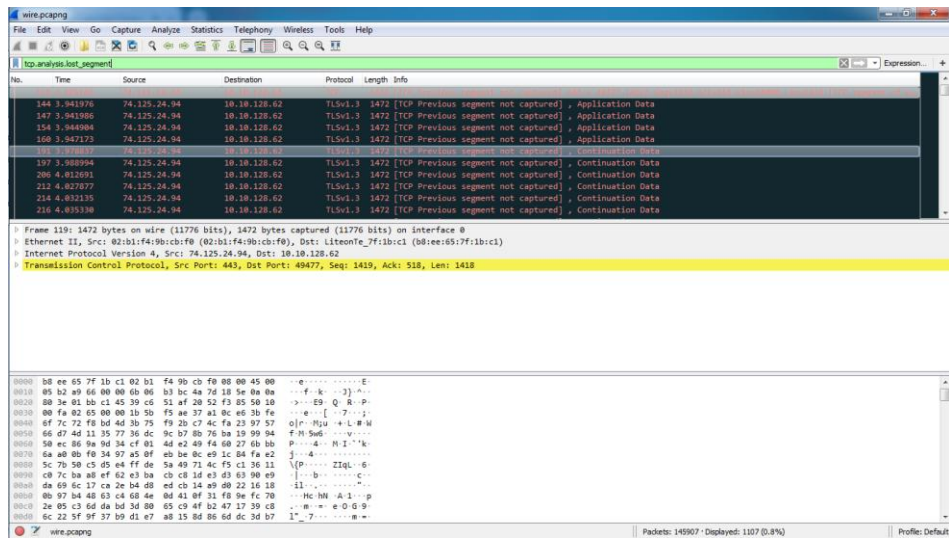


Gambar 4. 92 Jumlah User S 2.1

- S 2.1 Tahap 2



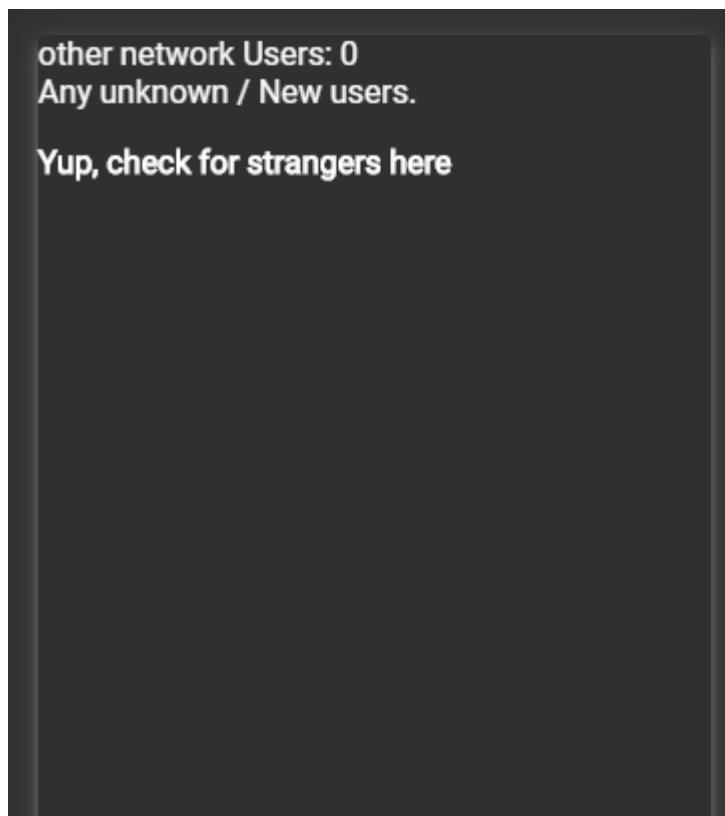
Gambar 4. 93 Hasil Capture Data S 2.1



Gambar 4. 94 Hasil Capture Data Packet Loss S 2.1

No.	Time	time 2	time 1	delay	total delay	rata-rata delay	delay 2	delay 1	jitter	total jitter	rata-rata jitter
87	2.502295	2.563878	2.502295	0.063583	1615.788	0.011074	0.215154	0.063583	0.151571	0.002476	1.70E-08
90	2.565878	2.781032	2.565878	0.215154			0.003997	0.215154	-0.21116		
93	2.781032	2.785029	2.781032	0.003997			1.027124	0.003997	1.023127		
94	2.785029	3.812153	2.785029	1.027124			0.000533	1.027124	-1.02659		
107	3.812153	3.812686	3.812153	0.000533			0.001443	0.000533	0.00091		
108	3.812686	3.814129	3.812686	0.001443			0.0263	0.001443	0.024857		
109	3.814129	3.840429	3.814129	0.0263			0.000254	0.0263	-0.02605		
110	3.840429	3.840683	3.840429	0.000254			0.000783	0.000254	0.000529		
111	3.840683	3.841466	3.840683	0.000783			0.000242	0.000783	-0.00054		
112	3.841466	3.841708	3.841466	0.000242			0.011468	0.000242	0.011226		
113	3.841708	3.853176	3.841708	0.011468			0.004191	0.011468	-0.00728		
114	3.853176	3.857367	3.853176	0.004191			0.003171	0.004191	-0.00102		
115	3.857367	3.860538	3.857367	0.003171			0.014085	0.003171	0.010914		
116	3.860538	3.874623	3.860538	0.014085			0.010617	0.014085	-0.00347		
117	3.874623	3.88524	3.874623	0.010617			6.00E-06	0.010617	-0.01061		
118	3.88524	3.885246	3.88524	6.00E-06			2.00E-06	6.00E-06	-4.00E-06		
119	3.885246	3.885248	3.885246	2.00E-06			3.00E-06	2.00E-06	1.00E-06		
120	3.885248	3.885251	3.885248	3.00E-06			0.000123	3.00E-06	0.00012		
121	3.885251	3.885374	3.885251	0.000123			0.001441	0.000123	0.001318		
122	3.885374	3.886815	3.885374	0.001441			0.001866	0.001441	0.000425		
123	3.886815	3.886881	3.886815	0.001866			7.00E-06	0.001866	-0.00186		
124	3.886881	3.886888	3.886881	7.00E-06			3.00E-06	7.00E-06	-4.00E-06		
125	3.886888	3.888891	3.886888	3.00E-06			0.016661	3.00E-06	0.016658		
126	3.888891	3.905352	3.888891	0.016661			0.004154	0.016661	-0.01251		
127	3.905352	3.909506	3.905352	0.004154			0.000432	0.004154	-0.00372		
128	3.909506	3.909938	3.909506	0.000432			0.000397	0.000432	-3.50E-05		

Gambar 4. 95 Proses Penghitungan Delay dan Jitter S 2.1



Gambar 4. 96 Jumlah User S 2.1