

Tabel QOS Menggunakan Metode PCQ

Axence netTools									
Lokasi	bit/s	Packets	Packet (%)	Avg. PPS	Time span	Throughput	Delay	Packet Loss	Jitter
B. Elektro 1 - Pagi - Upload	761	1098	0.00%	3.66	300	761	3.66	0.00%	5.89
B. Elektro 1 - Pagi - Download	1,119	1101	0.00%	3.67	300	1,119	3.67	0.00%	4.24
B. Elektro 1 - Pagi - Upload & Download	845	2571	0.00%	8.57	300	845	8.57	0.00%	6.86
B. Elektro 1 - Pagi - Skype	925	2535	0.00%	8.45	300	925	8.45	0.00%	1.23
B. Elektro 1 - Pagi - Whatsapp Video Call	915	615	0.00%	2.05	300	915	2.05	0.00%	1.69
B. Elektro 1 - Siang - Upload	947	891	5.12%	2.97	300	947	2.97	5.12%	3.81
B. Elektro 1 - Siang - Download	928	1401	4,87%	4.67	300	928	4.67	4,87%	6.7
B. Elektro 1 - Siang - Upload & Download	985	1026	5.76%	3.42	300	985	3.42	5.76%	3.5
B. Elektro 1 - Siang - Skype	711	1416	0.00%	4.72	300	711	4.72	0.00%	1.98
B. Elektro 1 - Siang - Whatsapp Video Call	772	2886	0.00%	9.62	300	772	9.62	0.00%	3.64
B. Elektro 1 - Sore - Upload	976	2487	0.00%	8.29	300	976	8.29	0.00%	2.33
B. Elektro 1 - Sore - Download	923	2034	0.00%	6.78	300	923	6.78	0.00%	1.57
B. Elektro 1 - Sore - Upload & Download	963	2016	0.00%	6.72	300	963	6.72	0.00%	1.6
B. Elektro 1 - Sore - Skype	925	1554	0.00%	5.18	300	925	5.18	0.00%	2.41
B. Elektro 1 - Sore - Whatsaapp Video Call	815	2262	0.00%	7.54	300	815	7.54	0.00%	3.28
B. Elektro 2 - Pagi - Upload	1,047	492	0.00%	1.64	300	1,047	1.64	0.00%	3.79
B. Elektro 2 - Pagi - Download	1,038	1365	0.00%	4.55	300	1,038	4.55	0.00%	1.99
B. Elektro 2 - Pagi - Upload & Download	1,039	948	0.00%	3.16	300	1,039	3.16	0.00%	6.8
B. Elektro 2 - Pagi - Skype	1,287	1461	0.00%	4.87	300	1,287	4.87	0.00%	0.87
B. Elektro 2 - Pagi - Whatsapp Video Call	1,166	1761	0.00%	5.87	300	1,166	5.87	0.00%	1.03
B. Elektro 2 - Siang - Upload	835	1587	3.28%	5.29	300	835	5.29	3.28%	3.82
B. Elektro 2 - Siang - Download	978	2376	1.38%	7.92	300	978	7.92	1.38%	6.7

B. Elektro 2 - Siang - Upload & Download	843	1212	3.98%	4.04	300	843	4.04	3.98%	3.56
B. Elektro 2 - Siang - Skype	835	768	0.00%	2.56	300	835	2.56	0.00%	2.23
B. Elektro 2 - Siang - Whatsapp Video Call	798	1794	0.00%	5.98	300	798	5.98	0.00%	2.87
B. Elektro 2 - Sore - Upload	955	1263	0.00%	4.21	300	955	4.21	0.00%	2.05
B. Elektro 2 - Sore - Download	904	1464	0.00%	4.88	300	904	4.88	0.00%	1.1
B. Elektro 2 - Sore - Upload & Download	933	2436	0.00%	8.12	300	933	8.12	0.00%	1.39
B. Elektro 2 - Sore - Skype	1,276	501	0.00%	1.67	300	1,276	1.67	0.00%	1.68
B. Elektro 2 - Sore - Whatsaapp Video Call	1,198	501	0.00%	1.67	300	1,198	1.67	0.00%	1.98
B. Elektro 3 - Pagi - Upload	1,081	2799	0.00%	9.33	300	1,081	9.33	0.00%	1.56
B. Elektro 3 - Pagi - Download	1,156	501	0.00%	1.67	300	1,156	1.67	0.00%	0.52
B. Elektro 3 - Pagi - Upload & Download	976	753	0.00%	2.51	300	976	2.51	0.00%	0.54
B. Elektro 3 - Pagi - Skype	1,349	1428	0.00%	4.76	300	1,349	4.76	0.00%	0.81
B. Elektro 3 - Pagi - Whatsapp Video Call	1,882	882	0.00%	2.94	300	1,882	2.94	0.00%	1.19
B. Elektro 3 - Siang - Upload	839	2505	4.20%	8.35	300	839	8.35	4.20%	1.85
B. Elektro 3 - Siang - Download	995	1758	3.60%	5.86	300	995	5.86	3.60%	0.6
B. Elektro 3 - Siang - Upload & Download	834	588	5.11%	1.96	300	834	1.96	5.11%	0.778
B. Elektro 3 - Siang - Skype	1,018	1128	0.00%	3.76	300	1,018	3.76	0.00%	1.66
B. Elektro 3 - Siang - Whatsapp Video Call	1,066	216	0.00%	0.72	300	1,066	0.72	0.00%	3.42
B. Elektro 3 - Sore - Upload	1,043	594	0.00%	1.98	300	1,043	1.98	0.00%	2.11
B. Elektro 3 - Sore - Download	956	1857	0.00%	6.19	300	956	6.19	0.00%	1.06
B. Elektro 3 - Sore - Upload & Download	969	1836	0.00%	6.12	300	969	6.12	0.00%	1.42
B. Elektro 3 - Sore - Skype	1,239	921	0.00%	3.07	300	1,239	3.07	0.00%	1.86
B. Elektro 3 - Sore - Whatsaapp Video Call	1,852	501	0.00%	1.67	300	1,852	1.67	0.00%	2.65
B. Mesin - Pagi - Download	875	309	0.00%	1.03	300	875	1.03	0.00%	4.5

B. Mesin - Pagi - Upload & Download	979	498	0.00%	1.66	300	979	1.66	0.00%	1.15
B. Mesin - Pagi - Skype	833	660	0.00%	2.2	300	833	2.2	0.00%	1.44
B. Mesin - Pagi - Whatsapp Video Call	2,091	1092	0.00%	3.64	300	2,091	3.64	0.00%	0.71
B. Mesin - Siang - Upload	1,202	801	1,87%	2.67	300	1,202	2.67	1,87%	0.89
B. Mesin - Siang - Download	587	864	1.20%	2.88	300	587	2.88	1.20%	4.2
B. Mesin - Siang - Upload & Download	678	798	1.80%	2.66	300	678	2.66	1.80%	1.54
B. Mesin - Siang - Skype	558	1170	0.00%	3.9	300	558	3.9	0.00%	1.44
B. Mesin - Siang - Whatsapp Video Call	1,051	315	0.00%	1.05	300	1,051	1.05	0.00%	4.24
B. Mesin - Sore - Upload	873	801	0.28%	2.67	300	873	2.67	0.28%	5.07
B. Mesin - Sore - Download	842,1	879	0.00%	2.93	300	842,1	2.93	0.00%	2.54
B. Mesin - Sore - Upload & Download	862	1986	0.56%	6.62	300	862	6.62	0.56%	1.15
B. Mesin - Sore - Skype	834	570	0.56%	1.9	300	834	1.9	0.56%	1.46
B. Mesin - Sore - Whatsaapp Video Call	875	765	0.56%	2.55	300	875	2.55	0.56%	2.87
B. Sipil - Pagi - Upload	833	762	0.56%	2.54	300	833	2.54	0.56%	3.88
B. Sipil - Pagi - Download	882	1167	0.56%	3.89	300	882	3.89	0.56%	2.23
B. Sipil - Pagi - Upload & Download	943	687	0.56%	2.29	300	943	2.29	0.56%	3.18
B. Sipil - Pagi - Skype	864	420	0.56%	1.4	300	864	1.4	0.56%	1.94
B. Sipil - Pagi - Whatsapp Video Call	1,829	615	0.56%	2.05	300	1,829	2.05	0.56%	2.21
B. Sipil - Siang - Upload	1,890	423	2,38%	1.41	300	1,890	1.41	2,38%	3.64
B. Sipil - Siang - Download	671	801	2.76%	2.67	300	671	2.67	2.76%	1.98
B. Sipil - Siang - Upload & Download	714	798	2.12%	2.66	300	714	2.66	2.12%	3.99
B. Sipil - Siang - Skype	662	1170	0.00%	3.9	300	662	3.9	0.00%	1.3
B. Sipil - Siang - Whatsapp Video Call	711	315	0.00%	1.05	300	711	1.05	0.00%	1.47
B. Sipil - Sore - Upload	672	801	0.00%	2.67	300	672	2.67	0.00%	3.28
B. Sipil - Sore - Download	861	879	0.00%	2.93	300	861	2.93	0.00%	2.41
B. Sipil - Sore - Upload & Download	901	1986	0.00%	6.62	300	901	6.62	0.00%	2.69
B. Sipil - Sore - Skype	854	570	0.00%	1.9	300	854	1.9	0.00%	232.6

B. Sipil - Sore - Whatsaapp Video Call	1,802	765	0.00%	2.55	300	1,802	2.55	0.00%	187.41
B. KIMIA - Pagi - Upload	1,842	762	0.00%	2.54	300	1,842	2.54	0.00%	0.87
B. KIMIA - Pagi - Download	1,789	534	0.00%	1.78	300	1,789	1.78	0.00%	0.23
B. KIMIA - Pagi - Upload & Download	1,179	702	0.00%	2.34	300	1,179	2.34	0.00%	1.03
B. KIMIA - Pagi - Skype	724	360	0.00%	1.2	300	724	1.2	0.00%	1.1
B. KIMIA - Pagi - Whatsapp Video Call	1,347	453	0.00%	1.51	300	1,347	1.51	0.00%	2.05
B. KIMIA - Siang - Upload	2,059	771	0.00%	2.57	300	2,059	2.57	0.00%	1.34
B. KIMIA - Siang - Download	2,031	414	0.00%	1.38	300	2,031	1.38	0.00%	1.27
B. KIMIA - Siang - Upload & Download	1,202	1098	0.00%	3.66	300	1,202	3.66	0.00%	1.56
B. KIMIA - Siang - Skype	584	360	0.00%	1.2	300	584	1.2	0.00%	3.11
B. KIMIA - Siang - Whatsapp Video Call	522	330	0.00%	1.1	300	522	1.1	0.00%	4.77
B. KIMIA - Sore - Upload	2,203	792	0.00%	2.64	300	2,203	2.64	0.00%	0.82
B. KIMIA - Sore - Download	2,102	2991	0.00%	9.97	300	2,102	9.97	0.00%	0.56
B. KIMIA - Sore - Upload & Download	1,490	648	0.00%	2.16	300	1,490	2.16	0.00%	1.12
B. KIMIA - Sore - Skype	724	561	0.00%	1.87	300	724	1.87	0.00%	1.54
B. KIMIA - Sore - Whatsaapp Video Call	1,376	1761	0.00%	5.87	300	1,376	5.87	0.00%	4.2
B. KIMIA 2 - Pagi - Upload	1,245	501	0.00%	1.67	300	1,245	1.67	0.00%	0.81
B. KIMIA 2 - Pagi - Download	1,456	528	0.00%	1.76	300	1,456	1.76	0.00%	0.62
B. KIMIA 2 - Pagi - Upload & Download	1,269	798	0.00%	2.66	300	1,269	2.66	0.00%	1.19
B. KIMIA 2 - Pagi - Skype	878	540	0.00%	1.8	300	878	1.8	0.00%	1.06
B. KIMIA 2 - Pagi - Whatsapp Video Call	1,892	561	0.00%	1.87	300	1,892	1.87	0.00%	2.11
B. KIMIA 2 - Siang - Upload	1,892	648	0.00%	2.16	300	1,892	2.16	0.00%	0.93
B. KIMIA 2 - Siang - Download	1,779	387	0.00%	1.29	300	1,779	1.29	0.00%	0.74
B. KIMIA 2 - Siang - Upload & Download	1,780	726	0.00%	2.42	300	1,780	2.42	0.00%	1.01
B. KIMIA 2 - Siang - Skype	724	570	0.00%	1.9	300	724	1.9	0.00%	3.79
B. KIMIA 2 - Siang - Whatsapp Video Call	701	546	0.00%	1.82	300	701	1.82	0.00%	6.8
B. KIMIA 2 - Sore - Upload	1,490	399	0.00%	1.33	300	1,490	1.33	0.00%	0.89

B. KIMIA 2 - Sore - Download	1,816	330	0.00%	1.1	300	1,816	1.1	0.00%	0.71
B. KIMIA 2 - Sore - Upload & Download	1,442	753	0.00%	2.51	300	1,442	2.51	0.00%	1.43
B. KIMIA 2 - Sore - Skype	878	828	0.00%	2.76	300	878	2.76	0.00%	1.98
B. KIMIA 2 - Sore - Whatsapp Video Call	1,812	882	0.00%	2.94	300	1,812	2.94	0.00%	3.64
L. Kimia - Pagi - Upload	1,272	408	0.00%	1.36	300	1,272	1.36	0.00%	1.23
L. Kimia - Pagi - Download	1,198	1179	0.00%	3.93	300	1,198	3.93	0.00%	1.04
L. Kimia - Pagi - Upload & Download	989	534	0.00%	1.78	300	989	1.78	0.00%	1.69
L. Kimia - Pagi - Skype	584	810	0.00%	2.7	300	584	2.7	0.00%	1.57
L. Kimia - Pagi - Whatsapp Video Call	1,306	882	0.00%	2.94	300	1,306	2.94	0.00%	2.33
L. Kimia - Siang - Upload	1,152	798	5.67%	2.66	300	1,152	2.66	5.67%	3.42
L. Kimia - Siang - Download	973	1158	3.94%	3.86	300	973	3.86	3.94%	1.66
L. Kimia - Siang - Upload & Download	1,073	636	6.13%	2.12	300	1,073	2.12	6.13%	2.64
L. Kimia - Siang - Skype	582	441	0.00%	1.47	300	582	1.47	0.00%	2.74
L. Kimia - Siang - Whatsapp Video Call	502	411	0.00%	1.37	300	502	1.37	0.00%	2.63
L. Kimia - Sore - Upload	904	798	0.00%	2.66	300	904	2.66	0.00%	2.65
L. Kimia - Sore - Download	1,401	387	0.00%	1.29	300	1,401	1.29	0.00%	1.86
L. Kimia - Sore - Upload & Download	730	771	0.00%	2.57	300	730	2.57	0.00%	1.99
L. Kimia - Sore - Skype	584	435	0.00%	1.45	300	584	1.45	0.00%	1.01
L. Kimia - Sore - Whatsapp Video Call	1,316	615	0.00%	2.05	300	1,316	2.05	0.00%	2.29
Satpam. HBB - Pagi - Upload	1,428	798	0.00%	2.66	300	1,428	2.66	0.00%	2.84
Satpam. HBB - Pagi - Download	1,465	381	0.00%	1.27	300	1,465	1.27	0.00%	2.61
Satpam. HBB - Pagi - Upload & Download	1,372	771	0.00%	2.57	300	1,372	2.57	0.00%	3.01
Satpam. HBB - Pagi - Skype	582	420	0.00%	1.4	300	582	1.4	0.00%	2.87
Satpam. HBB - Pagi - Whatsapp Video Call	1,346	402	0.00%	1.34	300	1,346	1.34	0.00%	3.02
Satpam. HBB - Siang - Upload	873	435	0.00%	1.45	300	873	1.45	0.00%	2.97
Satpam. HBB - Siang - Download	1,193	708	0.00%	2.36	300	1,193	2.36	0.00%	2.76

Satpam. HBB - Siang - Upload & Download	832	363	0.00%	1.21	300	832	1.21	0.00%	3.04
Satpam. HBB - Siang - Skype	878	2175	0.00%	7.25	300	878	7.25	0.00%	3.56
Satpam. HBB - Siang - Whatsapp Video Call	832	369	0.00%	1.23	300	832	1.23	0.00%	2.23
Satpam. HBB - Sore - Upload	894	426	0.00%	1.42	300	894	1.42	0.00%	2.21
Satpam. HBB - Sore - Download	821	369	0.00%	1.23	300	821	1.23	0.00%	1.94
Satpam. HBB - Sore - Upload & Download	801	453	0.00%	1.51	300	801	1.51	0.00%	2.18
Satpam. HBB - Sore - Skype	582	369	0.00%	1.23	300	582	1.23	0.00%	2.23
Satpam. HBB - Sore - Whatsaapp Video Call	1,316	453	0.00%	1.51	300	1,316	1.51	0.00%	2.87

Tabel QOS Menggunakan Metode PCQ

<b>Colasoft Capsa 11</b>									
	<b>Bytes</b>	<b>Packets</b>	<b>Packet (%)</b>	<b>Avg. PPS</b>	<b>Time span</b>	<b>Throughput</b>	<b>Delay</b>	<b>Packet Loss</b>	<b>Jitter</b>
B. Elektro 1 - Pagi - Upload	13,718,250	10673	0.00%	91.2222222	117	938,000	10.962241	0.00%	8.547809
B. Elektro 1 - Pagi - Download	28,157,625	19291	0.00%	79.3868313	243	927,000	12.596548	0.00%	4.11544
B. Elektro 1 - Pagi - Upload & Download	27,671,250	15663	0.00%	66.6510638	235	942,000	15.003511	0.00%	4.255591
B. Elektro 1 - Pagi - Skype	22,077,625	11762	0.00%	49.2133891	239	739,000	20.319674	0.00%	4.184456
B. Elektro 1 - Pagi - Whatsapp Video Call	23,618,000	13737	0.00%	57	241	784,000	17.54386	0.00%	4.14968
B. Elektro 1 - Siang - Upload	16,624,000	19176	6.43%	149.8125	128	1,039,000	6.6750104	6.43%	7.812907
B. Elektro 1 - Siang - Download	33,822,500	12530	5.71%	38.4355828	326	830,000	26.017558	5.71%	3.067729
B. Elektro 1 - Siang - Upload & Download	28,726,250	11538	7.17%	47.0938776	245	938,000	21.234183	7.17%	4.081986
B. Elektro 1 - Siang - Skype	26,366,250	15727	5.28%	58.9026217	267	790,000	16.977173	5.28%	3.745557

B. Elektro 1 - Siang - Whatsapp Video Call	34,237,000	19829	6.01%	67.9075342	292	938,000	14.725907	6.01%	3.42483
B. Elektro 1 - Sore - Upload	30,063,250	16842	0.00%	58.6829268	287	838,000	17.040732	0.00%	3.484527
B. Elektro 1 - Sore - Download	48,496,875	14600	0.00%	27.8095238	525	739,000	35.958904	0.00%	1.904892
B. Elektro 1 - Sore - Upload & Download	55,811,000	18359	0.00%	38.5693277	476	938,000	25.927338	0.00%	2.100955
B. Elektro 1 - Sore - Skype	56,397,250	13789	0.00%	28.6673597	481	938,000	34.882878	0.00%	2.079153
B. Elektro 1 - Sore - Whatsapp Video Call	58,716,000	18371	0.00%	36.4503968	504	932,000	27.434544	0.00%	1.984235
B. Elektro 2 - Pagi - Upload	25,443,250	11842	0.00%	54.5714286	217	938,000	18.324607	0.00%	4.608684
B. Elektro 2 - Pagi - Download	45,725,500	14600	0.00%	33.4862385	436	839,000	29.863014	0.00%	2.293735
B. Elektro 2 - Pagi - Upload & Download	33,998,250	18359	0.00%	57.9148265	317	858,000	17.266736	0.00%	3.154746
B. Elektro 2 - Pagi - Skype	37,541,250	17371	0.00%	48.9323944	355	846,000	20.436359	0.00%	2.817064
B. Elektro 2 - Pagi - Whatsapp Video Call	39,544,750	18390	0.00%	48.0156658	383	826,000	20.826536	0.00%	2.611108
B. Elektro 2 - Siang - Upload	13,299,000	18630	3.76%	150.241935	124	858,000	6.6559313	3.76%	8.064949
B. Elektro 2 - Siang - Download	38,122,875	12132	1.98%	36.8753799	329	927,000	27.118365	1.98%	3.039764
B. Elektro 2 - Siang - Upload & Download	26,395,875	19701	2.99%	81.0740741	243	869,000	12.334399	2.99%	4.115435
B. Elektro 2 - Siang - Skype	28,424,000	8369	2.53%	30.7683824	272	836,000	32.500896	2.53%	3.67691
B. Elektro 2 - Siang - Whatsapp Video Call	30,172,500	13831	2.85%	46.4127517	298	810,000	21.545803	2.85%	3.355947
B. Elektro 2 - Sore - Upload	51,555,000	19027	0.00%	45.302381	420	982,000	22.073895	0.00%	2.381078
B. Elektro 2 - Sore - Download	185,837,125	18166	0.00%	21.346651	851	1,747,000	46.845756	0.00%	1.175153
B. Elektro 2 - Sore - Upload & Download	82,559,500	16090	0.00%	24.6779141	652	1,013,000	40.522063	0.00%	1.533838
B. Elektro 2 - Sore - Skype	150,677,000	15368	0.00%	21.5842697	712	1,693,000	46.330036	0.00%	1.404586
B. Elektro 2 - Sore - Whatsapp Video Call	193,073,250	13980	0.00%	17.5407779	797	1,938,000	57.010014	0.00%	1.254795
B. Elektro 3 - Pagi - Upload	95,053,875	19890	0.00%	19.3294461	1029	739,000	51.73454	0.00%	0.971866
B. Elektro 3 - Pagi - Download	177,177,000	19838	0.00%	12.0084746	1652	858,000	83.274524	0.00%	0.605357

B. Elektro 3 - Pagi - Upload & Download	140,654,375	18615	0.00%	11.8945687	1565	719,000	84.071985	0.00%	0.639012
B. Elektro 3 - Pagi - Skype	137,794,500	12778	0.00%	8.02134338	1593	692,000	124.6674	0.00%	0.627796
B. Elektro 3 - Pagi - Whatsapp Video Call	156,996,000	12682	0.00%	7.91635456	1602	784,000	126.32077	0.00%	0.624269
B. Elektro 3 - Siang - Upload	38,997,250	13790	2.10%	35.4498715	389	802,000	28.208847	2.10%	2.570881
B. Elektro 3 - Siang - Download	223,962,000	124040	0.00%	90.2765648	1374	1,304,000	11.077072	0.00%	0.727808
B. Elektro 3 - Siang - Upload & Download	100,722,375	17616	2.98%	20.1786942	873	923,000	49.557221	2.98%	1.14554
B. Elektro 3 - Siang - Skype	120,778,250	146287	2.31%	135.200555	1082	893,000	7.3964194	2.31%	0.924221
B. Elektro 3 - Siang - Whatsapp Video Call	204,316,500	151827	2.52%	119.267086	1273	1,284,000	8.3845429	2.52%	0.785551
B. Elektro 3 - Sore - Upload	49,268,625	18740	0.00%	45.5961071	411	959,000	21.931697	0.00%	2.43322
B. Elektro 3 - Sore - Download	302,101,250	19588	0.00%	22.6450867	865	2,794,000	44.15969	0.00%	1.156128
B. Elektro 3 - Sore - Upload & Download	174,307,000	19569	0.00%	29.077266	673	2,072,000	34.391129	0.00%	1.48596
B. Elektro 3 - Sore - Skype	221,069,250	14880	0.00%	20.4115226	729	2,426,000	48.991935	0.00%	1.371834
B. Elektro 3 - Sore - Whatsaapp Video Call	219,347,000	17462	0.00%	21.7730673	802	2,188,000	45.928301	0.00%	1.246954
B. Mesin - Pagi - Upload	40,227,750	1838	0.00%	5.37426901	342	941,000	186.07182	0.00%	2.925568
B. Mesin - Pagi - Download	101,799,750	1217	0.00%	1.76632801	689	1,182,000	566.14626	0.00%	1.452572
B. Mesin - Pagi - Upload & Download	52,528,000	1991	0.00%	4.44419643	448	938,000	225.01256	0.00%	2.233265
B. Mesin - Pagi - Skype	67,530,375	1149	0.00%	2.04812834	561	963,000	488.25065	0.00%	1.784084
B. Mesin - Pagi - Whatsapp Video Call	63,868,875	13840	0.00%	22.72578	609	839,000	44.00289	0.00%	1.642155
B. Mesin - Siang - Upload	27,194,750	137272	2.19%	402.557185	341	638,000	2.4841191	2.19%	2.932573
B. Mesin - Siang - Download	74,052,000	150217	2.87%	200.824866	748	792,000	4.979463	2.87%	1.336907
B. Mesin - Siang - Upload & Download	41,369,500	185991	2.02%	352.924099	527	628,000	2.8334704	2.02%	1.897543
B. Mesin - Siang - Skype	46,694,000	101490	2.44%	171.435811	592	631,000	5.833087	2.44%	1.689206
B. Mesin - Siang - Whatsapp Video Call	63,162,000	190182	2.87%	298.090909	638	792,000	3.3546813	2.87%	1.567406
B. Mesin - Sore - Upload	38,223,500	18308	2.65%	56.1595092	326	938,000	17.806423	2.65%	3.067652
B. Mesin - Sore - Download	94,576,000	19217	0.00%	26.1100543	736	1,028,000	38.299422	0.00%	1.358766



B. Mesin - Sore - Upload & Download	72,769,500	161991	0.00%	257.947452	628	927,000	3.8767586	0.00%	1.592367
B. Mesin - Sore - Skype	119,975,500	18758	0.00%	27.1069364	692	1,387,000	36.890927	0.00%	1.445164
B. Mesin - Sore - Whatsaapp Video Call	99,827,000	127383	0.00%	174.976648	728	1,097,000	5.7150483	0.00%	1.373637
B. Sipil - Pagi - Upload	92,683,500	109217	0.00%	187.658076	582	1,274,000	5.3288407	0.00%	1.718229
B. Sipil - Pagi - Download	99,105,500	163991	0.00%	212.423575	772	1,027,000	4.7075754	0.00%	1.295345
B. Sipil - Pagi - Upload & Download	84,597,000	267149	0.00%	409.73773	652	1,038,000	2.4405856	0.00%	1.533748
B. Sipil - Pagi - Skype	72,433,875	187287	0.00%	267.935622	699	829,000	3.7322398	0.00%	1.430623
B. Sipil - Pagi - Whatsapp Video Call	85,168,125	17369	0.00%	23.6312925	735	927,000	42.316771	0.00%	1.360623
B. Sipil - Siang - Upload	69,856,000	150217	2.90%	318.256356	472	1,184,000	3.1421211	2.90%	2.118658
B. Sipil - Siang - Download	74,808,625	185991	2.52%	330.357016	563	1,063,000	3.0270282	2.52%	1.776208
B. Sipil - Siang - Upload & Download	109,760,000	101490	2.24%	158.578125	640	1,372,000	6.30604	2.24%	1.562515
B. Sipil - Siang - Skype	94,942,000	190192	2.12%	321.27027	592	1,283,000	3.1126441	2.12%	1.689198
B. Sipil - Siang - Whatsapp Video Call	100,254,000	198631	2.29%	322.452922	616	1,302,000	3.1012279	2.29%	1.623385
B. Sipil - Sore - Upload	69,460,125	19217	0.00%	34.1332149	563	987,000	29.296977	0.00%	1.776291
B. Sipil - Sore - Download	117,361,375	19899	0.00%	25.2846252	787	1,193,000	39.549726	0.00%	1.270712
B. Sipil - Sore - Upload & Download	78,289,000	10149	0.00%	16.0585443	632	991,000	62.272145	0.00%	1.582434
B. Sipil - Sore - Skype	85,656,000	13882	0.00%	20.1773256	688	996,000	49.560582	0.00%	1.453593
B. Sipil - Sore - Whatsaapp Video Call	94,977,000	17298	0.00%	23.6311475	732	1,038,000	42.317031	0.00%	1.366199
B. KIMIA - Pagi - Upload	38,396,500	68150	0.00%	415.54878	164	1,873,000	2.4064563	0.00%	6.09765
B. KIMIA - Pagi - Download	217,237,875	92727	0.00%	109.219081	849	2,047,000	9.1559093	0.00%	1.177869
B. KIMIA - Pagi - Upload & Download	273,303,250	95859	0.00%	150.249216	638	3,427,000	6.6556088	0.00%	1.567414
B. KIMIA - Pagi - Skype	189,803,250	93729	0.00%	133.517094	702	2,163,000	7.4896777	0.00%	1.424517
B. KIMIA - Pagi - Whatsapp Video Call	160,622,000	94276	0.00%	120.25	784	1,639,000	8.3160083	0.00%	1.275524
B. KIMIA - Siang - Upload	286,729,625	95246	0.00%	80.512257	1183	1,939,000	12.420469	0.00%	0.845317
B. KIMIA - Siang - Download	436,174,875	190697	0.00%	101.813668	1873	1,863,000	9.821864	0.00%	0.533906
B. KIMIA - Siang - Upload & Download	246,656,750	198660	0.00%	154.840218	1283	1,538,000	6.4582704	0.00%	0.779427
B. KIMIA - Siang - Skype	362,604,000	193463	0.00%	131.250339	1474	1,968,000	7.6190279	0.00%	0.67843

B. KIMIA - Siang - Whatsapp Video Call	414,004,500	196986	0.00%	120.260073	1638	2,022,000	8.3153117	0.00%	0.610504
B. KIMIA - Sore - Upload	268,762,125	79300	0.00%	62.2937942	1273	1,689,000	16.052963	0.00%	0.785556
B. KIMIA - Sore - Download	320,105,250	127327	0.00%	100.336485	1269	2,018,000	9.9664643	0.00%	0.788028
B. KIMIA - Sore - Upload & Download	310,861,375	132559	0.00%	95.5724585	1387	1,793,000	10.463265	0.00%	0.720986
B. KIMIA - Sore - Skype	304,997,000	129837	0.00%	99.1879297	1309	1,864,000	10.081872	0.00%	0.763948
B. KIMIA - Sore - Whatsapp Video Call	295,988,000	131462	0.00%	96.3797654	1364	1,736,000	10.375622	0.00%	0.733143
B. KIMIA 2 - Pagi - Upload	117,106,875	86792	0.00%	151.469459	573	1,635,000	6.601991	0.00%	1.745221
B. KIMIA 2 - Pagi - Download	149,264,250	143037	0.00%	182.911765	782	1,527,000	5.4671169	0.00%	1.278781
B. KIMIA 2 - Pagi - Upload & Download	62,466,250	187951	0.00%	310.66281	605	826,000	3.2189241	0.00%	1.652901
B. KIMIA 2 - Pagi - Skype	111,699,000	163572	0.00%	252.425926	648	1,379,000	3.9615582	0.00%	1.543219
B. KIMIA 2 - Pagi - Whatsapp Video Call	111,486,375	179762	0.00%	259.396825	693	1,287,000	3.8550973	0.00%	1.443009
B. KIMIA 2 - Siang - Upload	37,264,500	105946	0.00%	420.420635	252	1,183,000	2.3785702	0.00%	3.968291
B. KIMIA 2 - Siang - Download	143,223,375	232624	0.00%	464.319361	501	2,287,000	2.1536901	0.00%	1.996017
B. KIMIA 2 - Siang - Upload & Download	109,149,750	134667	0.00%	322.942446	417	2,094,000	3.096527	0.00%	2.398099
B. KIMIA 2 - Siang - Skype	104,888,000	172692	0.00%	385.473214	448	1,873,000	2.594214	0.00%	2.232156
B. KIMIA 2 - Siang - Whatsapp Video Call	122,569,500	218373	0.00%	443.847561	492	1,993,000	2.2530258	0.00%	2.03253
B. KIMIA 2 - Sore - Upload	21,495,250	105946	0.00%	612.404624	173	994,000	1.6329073	0.00%	5.780401
B. KIMIA 2 - Sore - Download	55,589,250	112624	0.00%	226.15261	498	893,000	4.4217929	0.00%	2.00805
B. KIMIA 2 - Sore - Upload & Download	41,946,750	97667	0.00%	269.798343	362	927,000	3.706472	0.00%	2.762459
B. KIMIA 2 - Sore - Skype	35,776,125	102736	0.00%	248.755448	413	693,000	4.0200125	0.00%	2.421331
B. KIMIA 2 - Sore - Whatsapp Video Call	53,583,250	11937	0.00%	26.1203501	457	938,000	38.284326	0.00%	2.188367
L. Kimia - Pagi - Upload	34,847,500	12383	0.00%	23.3641509	530	526,000	42.800614	0.00%	1.886945
L. Kimia - Pagi - Download	185,503,500	171786	0.00%	189.609272	906	1,638,000	5.2740037	0.00%	1.103759
L. Kimia - Pagi - Upload & Download	95,767,750	16806	0.00%	22.5281501	746	1,027,000	44.388909	0.00%	1.340562
L. Kimia - Pagi - Skype	112,472,000	128369	0.00%	155.222491	827	1,088,000	6.4423654	0.00%	1.209199
L. Kimia - Pagi - Whatsapp Video Call	141,828,000	158372	0.00%	177.547085	892	1,272,000	5.6323087	0.00%	1.121083

L. Kimia - Siang - Upload	28,734,750	19767	1.53%	81.345679	243	946,000	12.293216	1.53%	4.115435
L. Kimia - Siang - Download	117,012,750	146552	1.48%	274.441948	534	1,753,000	3.6437578	1.48%	1.872672
L. Kimia - Siang - Upload & Download	80,500,375	172608	1.34%	411.952267	419	1,537,000	2.4274657	1.34%	2.386649
L. Kimia - Siang - Skype	76,061,750	197927	1.98%	414.073222	478	1,273,000	2.4150318	1.98%	2.092061
L. Kimia - Siang - Whatsapp Video Call	103,456,500	18369	1.88%	36.6646707	501	1,652,000	27.274212	1.88%	1.996117
L. Kimia - Sore - Upload	6,885,375	13549	0.00%	105.031008	129	427,000	9.5209979	0.00%	7.75251
L. Kimia - Sore - Download	119,777,000	136251	0.00%	282.678423	482	1,988,000	3.5375887	0.00%	2.074704
L. Kimia - Sore - Upload & Download	64,715,625	113223	0.00%	348.378462	325	1,593,000	2.8704415	0.00%	3.07695
L. Kimia - Sore - Skype	63,627,000	118379	0.00%	310.706037	381	1,336,000	3.2184763	0.00%	2.624694
L. Kimia - Sore - Whatsapp Video Call	100,205,500	16533	0.00%	38.6285047	428	1,873,000	25.887619	0.00%	2.33659
Satpam. HBB - Pagi - Upload	61,414,875	81927	0.00%	139.568995	587	837,000	7.1649151	0.00%	1.703598
Satpam. HBB - Pagi - Download	106,635,500	168398	0.00%	200.952267	838	1,018,000	4.9763061	0.00%	1.193325
Satpam. HBB - Pagi - Upload & Download	90,806,250	129378	0.00%	178.452414	725	1,002,000	5.6037348	0.00%	1.379321
Satpam. HBB - Pagi - Skype	115,688,250	148272	0.00%	189.363985	783	1,182,000	5.2808352	0.00%	1.277148
Satpam. HBB - Pagi - Whatsapp Video Call	135,851,625	159202	0.00%	194.385836	819	1,327,000	5.1444077	0.00%	1.221009
Satpam. HBB - Siang - Upload	41,143,250	58916	0.00%	148.030151	398	827,000	6.7553805	0.00%	2.512605
Satpam. HBB - Siang - Download	53,464,125	542915	0.00%	1265.53613	429	997,000	0.7901789	0.00%	2.331007
Satpam. HBB - Siang - Upload & Download	51,364,125	320989	0.00%	1202.20599	267	1,539,000	0.8318042	0.00%	3.74533
Satpam. HBB - Siang - Skype	54,194,000	398271	0.00%	1260.35127	316	1,372,000	0.7934296	0.00%	3.164565
Satpam. HBB - Siang - Whatsapp Video Call	59,500,875	467810	0.00%	1172.45614	399	1,193,000	0.8529104	0.00%	2.506271
Satpam. HBB - Sore - Upload	55,277,625	119381	0.00%	540.18552	221	2,001,000	1.8512159	0.00%	4.524925
Satpam. HBB - Sore - Download	99,064,125	353199	0.00%	680.537572	519	1,527,000	1.4694266	0.00%	1.926788
Satpam. HBB - Sore - Upload & Download	78,259,500	244268	0.00%	656.634409	372	1,683,000	1.5229175	0.00%	2.688183

Satpam. HBB - Sore - Skype	91,057,000	273689	0.00%	639.46028	428	1,702,000	1.5638188	0.00%	2.336457
Satpam. HBB - Sore - Whatsaapp Video Call	103,523,875	326351	0.00%	681.317328	479	1,729,000	1.4677449	0.00%	2.087689

Tabel QOS Menggunakan Metode PCQ

Wireshark									
Lokasi	Avg. bytes/sec	Packets	Packet (%)	Avg. PPS	Time span	Throughput	Delay	Packet Loss	Jitter
B. Elektro 1 - Pagi - Upload	106,000	16933	100.00%	114.192265	148.285	848,000	8.7571606	0.00%	6.744169
B. Elektro 1 - Pagi - Download	109,000	16291	100.00%	57.0147655	285.733	872,000	17.539316	0.00%	3.499986
B. Elektro 1 - Pagi - Upload & Download	107,000	12663	100.00%	46.1988048	274.098	856,000	21.645582	0.00%	3.648618
B. Elektro 1 - Pagi - Skype	109,000	16829	100.00%	50.5828038	332.702	872,000	19.769564	0.00%	3.005871
B. Elektro 1 - Pagi - Whatsaapp Video Call	106,200	13902	100.00%	37.2737754	372.97	849,600	26.828514	0.00%	2.681374
B. Elektro 1 - Siang - Upload	109,500	19176	98.45%	116.224521	164.991	876,000	8.6040363	1.55%	6.061253
B. Elektro 1 - Siang - Download	104,700	17530	98.10%	46.434749	377.519	837,600	21.535596	1.90%	2.649024
B. Elektro 1 - Siang - Upload & Download	109,100	11538	98.70%	38.5565198	299.249	872,800	25.935951	1.30%	3.341988
B. Elektro 1 - Siang - Skype	102,000	15921	97.24%	55.5939661	286.38	816,000	17.987564	2.76%	3.492083
B. Elektro 1 - Siang - Whatsaapp Video Call	107,800	18035	97.56%	57.6492776	312.84	862,400	17.346271	2.44%	3.196699
B. Elektro 1 - Sore - Upload	109,300	12087	100.00%	34.6305587	349.027	874,400	28.876231	0.00%	2.865345
B. Elektro 1 - Sore - Download	106,400	101149	100.00%	150.517553	672.008	851,200	6.6437434	0.00%	1.488092
B. Elektro 1 - Sore - Upload & Download	103,200	18074	100.00%	34.7283068	520.44	825,600	28.794954	0.00%	1.921557
B. Elektro 1 - Sore - Skype	103,400	18749	100.00%	48.093473	389.845	827,200	20.792842	0.00%	2.565259
B. Elektro 1 - Sore - Whatsaapp Video Call	107,200	15903	100.00%	36.1542746	439.865	857,600	27.659247	0.00%	2.273568
B. Elektro 2 - Pagi - Upload	102,800	2734	100.00%	10.3599848	263.9	822,400	96.525238	0.00%	3.790701

B. Elektro 2 - Pagi - Download	105,900	18145	100.00%	36.1795799	501.526	847,200	27.639901	0.00%	1.994024
B. Elektro 2 - Pagi - Upload & Download	104,600	16647	100.00%	44.7368916	372.109	836,800	22.352916	0.00%	2.687546
B. Elektro 2 - Pagi - Skype	101,600	16829	100.00%	58.8087292	286.165	812,800	17.004278	0.00%	3.494695
B. Elektro 2 - Pagi - Whatsapp Video Call	107,900	19902	100.00%	65.7693413	302.603	863,200	15.204653	0.00%	3.304826
B. Elektro 2 - Siang - Upload	103,500	19176	99.54%	116.224521	164.991	828,000	8.6040363	0.46%	6.061253
B. Elektro 2 - Siang - Download	107,400	17530	99.13%	46.434749	377.519	859,200	21.535596	0.87%	2.649024
B. Elektro 2 - Siang - Upload & Download	102,800	11538	99.24%	38.5565198	299.249	822,400	25.935951	0.76%	3.341988
B. Elektro 2 - Siang - Skype	98,200	15921	99.77%	55.5939661	286.38	785,600	17.987564	0.23%	3.492083
B. Elektro 2 - Siang - Whatsapp Video Call	90,400	18035	99.39%	57.6492776	312.84	723,200	17.346271	0.61%	3.196699
B. Elektro 2 - Sore - Upload	135,000	15087	100.00%	30.9467401	487.515	1,080,000	32.313581	0.00%	2.051355
B. Elektro 2 - Sore - Download	288,000	169149	100.00%	187.6962	901.185	2,304,000	5.3277584	0.00%	1.109657
B. Elektro 2 - Sore - Upload & Download	122,000	15074	100.00%	21.0606321	715.743	976,000	47.481956	0.00%	1.397242
B. Elektro 2 - Sore - Skype	168,000	19390	100.00%	24.7628121	783.029	1,344,000	40.383136	0.00%	1.277158
B. Elektro 2 - Sore - Whatsaapp Video Call	261,000	239497	100.00%	282.449689	847.928	2,088,000	3.5404535	0.00%	1.17935
B. Elektro 3 - Pagi - Upload	78,000	54138	100.00%	34.6150895	1564	624,000	28.889135	0.00%	0.639398
B. Elektro 3 - Pagi - Download	100,000	221091	100.00%	116.226965	1902.235	800,000	8.6038554	0.00%	0.5257
B. Elektro 3 - Pagi - Upload & Download	79,000	172465	100.00%	94.4805065	1825.403	632,000	10.584194	0.00%	0.547827
B. Elektro 3 - Pagi - Skype	82,000	197887	100.00%	106.617911	1856.039	656,000	9.3792872	0.00%	0.538785
B. Elektro 3 - Pagi - Whatsapp Video Call	95,000	198390	100.00%	104.47479	1898.927	760,000	9.5716871	0.00%	0.526616
B. Elektro 3 - Siang - Upload	97,000	18209	97.20%	33.724867	539.928	776,000	29.651711	2.80%	1.852201
B. Elektro 3 - Siang - Download	160,000	194637	97.40%	118.700785	1639.728	1,280,000	8.4245442	2.60%	0.60986
B. Elektro 3 - Siang - Upload & Download	107,000	161607	97.70%	127.362929	1268.87	856,000	7.8515782	2.30%	0.788108
B. Elektro 3 - Siang - Skype	128,000	182938	97.70%	131.154428	1394.829	1,024,000	7.6245996	2.30%	0.716938
B. Elektro 3 - Siang - Whatsapp Video	142,000	158737	97.10%	105.271151	1507.887	1,136,000	9.4992787	2.90%	0.663184

Call									
B. Elektro 3 - Sore - Upload	134,000	16129	100.00%	34.0529299	473.645	1,072,000	29.366049	0.00%	2.111417
B. Elektro 3 - Sore - Download	303,000	102903	100.00%	109.119424	943.031	2,424,000	9.1642712	0.00%	1.060421
B. Elektro 3 - Sore - Upload & Download	237,000	114128	100.00%	162.289296	703.238	1,896,000	6.1618358	0.00%	1.422006
B. Elektro 3 - Sore - Skype	267,000	136457	100.00%	174.313321	782.826	2,136,000	5.7367962	0.00%	1.277432
B. Elektro 3 - Sore - Whatsapp Video Call	282,000	176374	100.00%	203.889264	865.048	2,256,000	4.9046231	0.00%	1.156012
B. Mesin - Pagi - Upload	101,000	10217	100.00%	25.9960002	393.022	808,000	38.467456	0.00%	2.544636
B. Mesin - Pagi - Download	132,000	15991	100.00%	18.4609026	866.209	1,056,000	54.168532	0.00%	1.154528
B. Mesin - Pagi - Upload & Download	109,000	10149	100.00%	14.6741794	691.623	872,000	68.146911	0.00%	1.446017
B. Mesin - Pagi - Skype	118,000	18388	100.00%	24.2955313	756.847	944,000	41.159832	0.00%	1.321343
B. Mesin - Pagi - Whatsapp Video Call	124,000	14748	100.00%	18.3721672	802.736	992,000	54.43016	0.00%	1.245824
B. Mesin - Siang - Upload	73,000	10217	100.00%	25.9960002	393.022	584,000	38.467456	0.00%	2.544636
B. Mesin - Siang - Download	94,000	15991	100.00%	18.4609026	866.209	752,000	54.168532	0.00%	1.154528
B. Mesin - Siang - Upload & Download	69,000	10149	100.00%	14.6741794	691.623	552,000	68.146911	0.00%	1.446017
B. Mesin - Siang - Skype	76,000	13874	100.00%	18.210408	761.872	608,000	54.913651	0.00%	1.312651
B. Mesin - Siang - Whatsapp Video Call	82,000	19370	100.00%	24.1271502	802.83	656,000	41.447083	0.00%	1.245658
B. Mesin - Sore - Upload	135,000	10217	100.00%	25.9960002	393.022	1,080,000	38.467456	0.00%	2.544636
B. Mesin - Sore - Download	156,000	15991	100.00%	18.4609026	866.209	1,248,000	54.168532	0.00%	1.154528
B. Mesin - Sore - Upload & Download	105,000	10149	100.00%	14.6741794	691.623	840,000	68.146911	0.00%	1.446017
B. Mesin - Sore - Skype	128,000	12636	100.00%	17.389988	726.625	1,024,000	57.504353	0.00%	1.376335
B. Mesin - Sore - Whatsapp Video Call	145,000	17474	100.00%	21.7952044	801.736	1,160,000	45.881653	0.00%	1.247365
B. Sipil - Pagi - Upload	165,000	19898	100.00%	31.2455345	636.827	1,320,000	32.004573	0.00%	0.899911
B. Sipil - Pagi - Download	113,000	15752	100.00%	17.9055344	879.728	904,000	55.848654	0.00%	1.239889
B. Sipil - Pagi - Upload & Download	198,000	14393	100.00%	19.5294903	736.988	1,584,000	51.204613	0.00%	1.594949
B. Sipil - Pagi - Skype	120,000	17949	100.00%	22.9545053	781.938	960,000	43.564433	0.00%	0.805854
B. Sipil - Pagi - Whatsapp Video Call	111,000	11930	100.00%	14.4634637	824.837	888,000	69.139732	0.00%	0.299573

B. Sipil - Siang - Upload	136,000	1896	100.00%	3.57360284	530.557	1,088,000	279.82964	0.00%	1.885806
B. Sipil - Siang - Download	128,000	1209	100.00%	1.72741431	699.89	1,024,000	578.89992	0.00%	1.429979
B. Sipil - Siang - Upload & Download	183,000	14322	100.00%	20.909067	684.966	1,464,000	47.826142	0.00%	1.460028
B. Sipil - Siang - Skype	138,000	17378	100.00%	25.2227199	688.982	1,104,000	39.646795	0.00%	1.4515
B. Sipil - Siang - Whatsapp Video Call	157,000	12884	100.00%	18.5709426	693.772	1,256,000	53.847563	0.00%	1.441508
B. Sipil - Sore - Upload	121,000	59280	100.00%	94.5548045	626.938	968,000	10.575877	0.00%	1.595081
B. Sipil - Sore - Download	137,000	18298	100.00%	20.9640628	872.827	1,096,000	47.700678	0.00%	1.145765
B. Sipil - Sore - Upload & Download	129,000	12676	100.00%	18.3129703	692.187	1,032,000	54.606106	0.00%	1.44481
B. Sipil - Sore - Skype	132,000	18288	100.00%	24.4159034	749.02	1,056,000	40.956912	0.00%	1.335151
B. Sipil - Sore - Whatsaapp Video Call	136,000	16928	100.00%	21.1146036	801.72	1,088,000	47.360586	0.00%	1.247392
B. KIMIA - Pagi - Upload	224,000	75054	100.00%	360.32031	208.298	1,792,000	2.7753084	0.00%	4.800878
B. KIMIA - Pagi - Download	239,000	304494	100.00%	57.7903825	5268.939	1,912,000	17.303917	0.00%	0.189792
B. KIMIA - Pagi - Upload & Download	476,000	222227	100.00%	51.6805054	4300.016	3,808,000	19.349656	0.00%	0.232558
B. KIMIA - Pagi - Skype	298,000	258379	100.00%	53.9861029	4786.028	2,384,000	18.523286	0.00%	0.208942
B. KIMIA - Pagi - Whatsapp Video Call	223,000	287387	100.00%	49.5343662	5801.77	1,784,000	20.188004	0.00%	0.172362
B. KIMIA - Siang - Upload	265,000	118266	100.00%	80.2746549	1473.267	2,120,000	12.457232	0.00%	0.678769
B. KIMIA - Siang - Download	208,000	375476	100.00%	42.6077085	8812.396	1,664,000	23.469932	0.00%	0.113477
B. KIMIA - Siang - Upload & Download	214,000	276203	100.00%	83.8516067	3293.95	1,712,000	11.92583	0.00%	0.303588
B. KIMIA - Siang - Skype	236,000	309728	100.00%	85.1409372	3637.827	1,888,000	11.745231	0.00%	0.27489
B. KIMIA - Siang - Whatsapp Video Call	267,000	349838	100.00%	60.2769994	5803.839	2,136,000	16.590076	0.00%	0.1723
B. KIMIA - Sore - Upload	189,000	276839	100.00%	60.4849607	4576.989	1,512,000	16.533035	0.00%	0.218485
B. KIMIA - Sore - Download	245,000	368292	100.00%	41.3675513	8902.92	1,960,000	24.173536	0.00%	0.112323
B. KIMIA - Sore - Upload & Download	197,000	308397	100.00%	37.1639352	8298.287	1,576,000	26.907807	0.00%	0.120507
B. KIMIA - Sore - Skype	219,000	328374	100.00%	38.6858083	8488.229	1,752,000	25.849272	0.00%	0.117811
B. KIMIA - Sore - Whatsaapp Video Call	228,000	356291	100.00%	40.4925464	8798.928	1,824,000	24.695903	0.00%	0.113651
B. KIMIA 2 - Pagi - Upload	182,000	23772	100.00%	32.6616078	727.827	1,456,000	30.616986	0.00%	1.374011
B. KIMIA 2 - Pagi - Download	186,000	39902	100.00%	48.0904006	829.729	1,488,000	20.794171	0.00%	1.205243

B. KIMIA 2 - Pagi - Upload & Download	121,000	32980	100.00%	43.513368	757.928	968,000	22.981443	0.00%	1.319427
B. KIMIA 2 - Pagi - Skype	149,000	35769	100.00%	45.6920878	782.827	1,192,000	21.885627	0.00%	1.277457
B. KIMIA 2 - Pagi - Whatsapp Video Call	171,000	37828	100.00%	47.0560137	803.893	1,368,000	21.251269	0.00%	1.24398
B. KIMIA 2 - Siang - Upload	178,000	12190	100.00%	39.6095583	307.754	1,424,000	25.246432	0.00%	3.249615
B. KIMIA 2 - Siang - Download	295,000	177715	100.00%	318.190282	558.518	2,360,000	3.1427735	0.00%	1.790463
B. KIMIA 2 - Siang - Upload & Download	236,000	117622	100.00%	260.826951	450.958	1,888,000	3.8339596	0.00%	2.21752
B. KIMIA 2 - Siang - Skype	243,000	146379	100.00%	299.421322	488.873	1,944,000	3.3397755	0.00%	2.045535
B. KIMIA 2 - Siang - Whatsapp Video Call	265,000	163787	100.00%	316.656323	517.239	2,120,000	3.1579979	0.00%	1.933354
B. KIMIA 2 - Sore - Upload	118,000	12213	100.00%	51.1027704	238.989	944,000	19.568411	0.00%	4.184636
B. KIMIA 2 - Sore - Download	94,000	114780	100.00%	202.795461	565.989	752,000	4.9310768	0.00%	1.766834
B. KIMIA 2 - Sore - Upload & Download	102,000	102327	100.00%	244.731763	418.119	816,000	4.0861063	0.00%	2.391687
B. KIMIA 2 - Sore - Skype	97,000	105782	100.00%	226.091752	467.872	776,000	4.4229831	0.00%	2.137357
B. KIMIA 2 - Sore - Whatsaapp Video Call	100,000	108793	100.00%	212.180904	512.737	800,000	4.7129595	0.00%	1.950336
L. Kimia - Pagi - Upload	50,000	19299	100.00%	32.6623938	590.863	400,000	30.61625	0.00%	1.692527
L. Kimia - Pagi - Download	181,000	190549	100.00%	198.297267	960.926	1,448,000	5.0429338	0.00%	1.040668
L. Kimia - Pagi - Upload & Download	115,000	111921	100.00%	138.416046	808.584	920,000	7.2245959	0.00%	1.236741
L. Kimia - Pagi - Skype	146,000	145763	100.00%	171.904926	847.928	1,168,000	5.817169	0.00%	1.179354
L. Kimia - Pagi - Whatsapp Video Call	172,000	167374	100.00%	181.72323	921.038	1,376,000	5.5028738	0.00%	1.085738
L. Kimia - Siang - Upload	116,000	14414	97.00%	49.3675785	291.973	928,000	20.256209	3.00%	3.425212
L. Kimia - Siang - Download	236,000	71114	98.40%	118.162151	601.834	1,888,000	8.4629468	1.60%	1.661611
L. Kimia - Siang - Upload & Download	184,000	118080	97.90%	263.900126	447.442	1,472,000	3.7893123	2.10%	2.234945
L. Kimia - Siang - Skype	138,000	156367	96.80%	302.025388	517.728	1,104,000	3.3109799	3.20%	1.931529
L. Kimia - Siang - Whatsapp Video Call	197,000	18743	97.20%	31.8900599	587.738	1,576,000	31.357734	2.80%	1.701529
L. Kimia - Sore - Upload	46,000	1334	100.00%	37.4761209	35.596	368,000	26.683658	0.00%	28.11412
L. Kimia - Sore - Download	257,000	149185	100.00%	281.4206	530.114	2,056,000	3.5534001	0.00%	1.886399
L. Kimia - Sore - Upload & Download	177,000	17938	100.00%	47.4116285	378.346	1,416,000	21.091872	0.00%	2.643231



L. Kimia - Sore - Skype	192,000	14929	100.00%	32.608387	457.827	1,536,000	30.666957	0.00%	2.184377
L. Kimia - Sore - Whatsapp Video Call	217,000	12737	100.00%	25.3586688	502.274	1,736,000	39.434247	0.00%	1.991102
Satpam. HBB - Pagi - Upload	93,000	13968	100.00%	22.244624	627.927	744,000	44.954682	0.00%	1.592656
Satpam. HBB - Pagi - Download	153,000	191893	100.00%	160.746447	1193.762	1,224,000	6.2209773	0.00%	0.837692
Satpam. HBB - Pagi - Upload & Download	124,000	198398	100.00%	260.029725	762.982	992,000	3.8457142	0.00%	1.310654
Satpam. HBB - Pagi - Skype	132,000	146253	100.00%	172.61635	847.272	1,056,000	5.793194	0.00%	1.180267
Satpam. HBB - Pagi - Whatsapp Video Call	139,000	172787	100.00%	177.625154	972.762	1,112,000	5.6298333	0.00%	1.028007
Satpam. HBB - Siang - Upload	89,000	138824	100.00%	306.194515	453.385	712,000	3.2658978	0.00%	2.205647
Satpam. HBB - Siang - Download	138,000	138901	100.00%	305.111961	455.246	1,104,000	3.2774854	0.00%	2.19663
Satpam. HBB - Siang - Upload & Download	172,000	179375	100.00%	576.371886	311.214	1,376,000	1.7349909	0.00%	3.213241
Satpam. HBB - Siang - Skype	157,000	209278	100.00%	594.992779	351.732	1,256,000	1.6806927	0.00%	2.843087
Satpam. HBB - Siang - Whatsapp Video Call	168,000	254268	100.00%	643.980569	394.838	1,344,000	1.5528419	0.00%	2.532694
Satpam. HBB - Sore - Upload	243,000	110325	100.00%	387.330866	284.834	1,944,000	2.581772	0.00%	3.510849
Satpam. HBB - Sore - Download	203,000	263854	100.00%	450.451896	585.754	1,624,000	2.2199929	0.00%	1.707208
Satpam. HBB - Sore - Upload & Download	216,000	194175	100.00%	426.82766	454.926	1,728,000	2.342866	0.00%	2.198171
Satpam. HBB - Sore - Skype	208,000	217839	100.00%	437.211739	498.246	1,664,000	2.2872213	0.00%	2.00705
Satpam. HBB - Sore - Whatsapp Video Call	211,000	246528	100.00%	469.592349	524.983	1,688,000	2.1295066	0.00%	1.904831

Tabel QOS Menggunakan Metode HTB

Axence netTools									
Lokasi	bit/s	Packets	Packet (%)	Avg. PPS	Time span	Throughput	Delay	Packet Loss	Jitter
B. Elektro 1 - Pagi - Upload	961.0	2436	100.00%	8.12	300	961	8.12	0.00%	2.33
B. Elektro 1 - Pagi - Download	972.0	1263	100.00%	4.21	300	972	4.21	0.00%	1.57
B. Elektro 1 - Pagi - Upload & Download	845.0	501	100.00%	1.67	300	845	1.67	0.00%	1.60
B. Elektro 1 - Pagi - Skype	925.7	801	100.00%	2.67	300	926	2.67	0.00%	3.06
B. Elektro 1 - Pagi - Whatsapp Video Call	815.5	1791	100.00%	5.97	300	816	5.97	0.00%	3.12
B. Elektro 1 - Siang - Upload	947.4	423	100.00%	1.41	300	947	1.41	0.00%	5.21
B. Elektro 1 - Siang - Download	928.0	696	100.00%	2.32	300	928	2.32	0.00%	5.64
B. Elektro 1 - Siang - Upload & Download	985.8	465	100.00%	1.55	300	986	1.55	0.00%	8.73
B. Elektro 1 - Siang - Skype	711.2	867	100.00%	2.89	300	711	2.89	0.00%	0.56
B. Elektro 1 - Siang - Whatsapp Video Call	672.5	2523	100.00%	8.41	300	673	8.41	0.00%	8.94
B. Elektro 1 - Sore - Upload	34782	2346	100.00%	7.82	300	976	7.82	0.00%	0.82
B. Elektro 1 - Sore - Download	32338	762	100.00%	2.54	300	923	2.54	0.00%	1.54
B. Elektro 1 - Sore - Upload & Download	33302	1476	100.00%	4.92	300	964	4.92	0.00%	4.20
B. Elektro 1 - Sore - Skype	32783	1476	100.00%	4.92	300	926	4.92	0.00%	1.44
B. Elektro 1 - Sore - Whatsaapp Video Call	33304	1476	100.00%	4.92	300	816	4.92	0.00%	3.34
B. Elektro 2 - Pagi - Upload	29744	563	100.00%	1.87	300	815	0.53285	0.00%	3.34
B. Elektro 2 - Pagi - Download	29875	941	100.00%	3.13	300	1,054	0.318809	0.00%	3.34
B. Elektro 2 - Pagi - Upload & Download	29527	745	100.00%	2.48	300	1,093	0.402684	0.00%	3.34
B. Elektro 2 - Pagi - Skype	29637	803	100.00%	2.67	300	1,043	0.373599	0.00%	3.34
B. Elektro 2 - Pagi - Whatsapp Video Call	29764	894	100.00%	2.98	300	1,312	0.33557	0.00%	3.34
B. Elektro 2 - Siang - Upload	28482	647	100.00%	2.15	300	1,761	0.46367	0.00%	3.34
B. Elektro 2 - Siang - Download	26294	1169	100.00%	3.89	300	835	0.2566296	0.00%	3.34

B. Elektro 2 - Siang - Upload & Download	26121	952	100.00%	3.17	300	843	0.315126	0.00%	3.34
B. Elektro 2 - Siang - Skype	835	768	0.00%	2.56	300	835	2.56	0.00%	2.23
B. Elektro 2 - Siang - Whatsapp Video Call	798	1794	0.00%	5.98	300	798	5.98	0.00%	2.87
B. Elektro 2 - Sore - Upload	955	1263	0.00%	4.21	300	955	4.21	0.00%	2.05
B. Elektro 2 - Sore - Download	904	1464	0.00%	4.88	300	904	4.88	0.00%	1.1
B. Elektro 2 - Sore - Upload & Download	933	2436	0.00%	8.12	300	933	8.12	0.00%	1.39
B. Elektro 2 - Sore - Skype	1,276	501	0.00%	1.67	300	1,276	1.67	0.00%	1.68
B. Elektro 2 - Sore - Whatsaapp Video Call	1,198	501	0.00%	1.67	300	1,198	1.67	0.00%	1.98
B. Elektro 3 - Pagi - Upload	1,081	2799	0.00%	9.33	300	1,081	9.33	0.00%	1.56
B. Elektro 3 - Pagi - Download	1,156	501	0.00%	1.67	300	1,156	1.67	0.00%	0.52
B. Elektro 3 - Pagi - Upload & Download	976	753	0.00%	2.51	300	976	2.51	0.00%	0.54
B. Elektro 3 - Pagi - Skype	1,349	1428	0.00%	4.76	300	1,349	4.76	0.00%	0.81
B. Elektro 3 - Pagi - Whatsapp Video Call	1,882	882	0.00%	2.94	300	1,882	2.94	0.00%	1.19
B. Elektro 3 - Siang - Upload	839	2505	4.20%	8.35	300	839	8.35	4.20%	1.85
B. Elektro 3 - Siang - Download	995	1758	3.60%	5.86	300	995	5.86	3.60%	0.6
B. Elektro 3 - Siang - Upload & Download	834	588	5.11%	1.96	300	834	1.96	5.11%	0.778
B. Elektro 3 - Siang - Skype	1,018	1128	0.00%	3.76	300	1,018	3.76	0.00%	1.66
B. Elektro 3 - Siang - Whatsapp Video Call	1,066	216	0.00%	0.72	300	1,066	0.72	0.00%	3.42
B. Elektro 3 - Sore - Upload	1,043	594	0.00%	1.98	300	1,043	1.98	0.00%	2.11
B. Elektro 3 - Sore - Download	956	1857	0.00%	6.19	300	956	6.19	0.00%	1.06
B. Elektro 3 - Sore - Upload & Download	969	1836	0.00%	6.12	300	969	6.12	0.00%	1.42
B. Elektro 3 - Sore - Skype	1,239	921	0.00%	3.07	300	1,239	3.07	0.00%	1.86
B. Elektro 3 - Sore - Whatsaapp Video Call	1,852	501	0.00%	1.67	300	1,852	1.67	0.00%	2.65
B. Mesin - Pagi - Download	875	309	0.00%	1.03	300	875	1.03	0.00%	4.5

B. Mesin - Pagi - Upload & Download	979	498	0.00%	1.66	300	979	1.66	0.00%	1.15
B. Mesin - Pagi - Skype	833	660	0.00%	2.2	300	833	2.2	0.00%	1.44
B. Mesin - Pagi - Whatsapp Video Call	2,091	1092	0.00%	3.64	300	2,091	3.64	0.00%	0.71
B. Mesin - Siang - Upload	1,202	801	1,87%	2.67	300	1,202	2.67	1,87%	0.89
B. Mesin - Siang - Download	587	864	1.20%	2.88	300	587	2.88	1.20%	4.2
B. Mesin - Siang - Upload & Download	678	798	1.80%	2.66	300	678	2.66	1.80%	1.54
B. Mesin - Siang - Skype	558	1170	0.00%	3.9	300	558	3.9	0.00%	1.44
B. Mesin - Siang - Whatsapp Video Call	1,051	315	0.00%	1.05	300	1,051	1.05	0.00%	4.24
B. Mesin - Sore - Upload	873	801	0.28%	2.67	300	873	2.67	0.28%	5.07
B. Mesin - Sore - Download	842,1	879	0.00%	2.93	300	842,1	2.93	0.00%	2.54
B. Mesin - Sore - Upload & Download	862	1986	0.56%	6.62	300	862	6.62	0.56%	1.15
B. Mesin - Sore - Skype	834	570	0.56%	1.9	300	834	1.9	0.56%	1.46
B. Mesin - Sore - Whatsaapp Video Call	875	765	0.56%	2.55	300	875	2.55	0.56%	2.87
B. Sipil - Pagi - Upload	833	762	0.56%	2.54	300	833	2.54	0.56%	3.88
B. Sipil - Pagi - Download	882	1167	0.56%	3.89	300	882	3.89	0.56%	2.23
B. Sipil - Pagi - Upload & Download	943	687	0.56%	2.29	300	943	2.29	0.56%	3.18
B. Sipil - Pagi - Skype	864	420	0.56%	1.4	300	864	1.4	0.56%	1.94
B. Sipil - Pagi - Whatsapp Video Call	1,829	615	0.56%	2.05	300	1,829	2.05	0.56%	2.21
B. Sipil - Siang - Upload	1,890	423	2,38%	1.41	300	1,890	1.41	2,38%	3.64
B. Sipil - Siang - Download	671	801	2.76%	2.67	300	671	2.67	2.76%	1.98
B. Sipil - Siang - Upload & Download	714	798	2.12%	2.66	300	714	2.66	2.12%	3.99
B. Sipil - Siang - Skype	662	1170	0.00%	3.9	300	662	3.9	0.00%	1.3
B. Sipil - Siang - Whatsapp Video Call	711	315	0.00%	1.05	300	711	1.05	0.00%	1.47
B. Sipil - Sore - Upload	672	801	0.00%	2.67	300	672	2.67	0.00%	3.28
B. Sipil - Sore - Download	861	879	0.00%	2.93	300	861	2.93	0.00%	2.41
B. Sipil - Sore - Upload & Download	901	1986	0.00%	6.62	300	901	6.62	0.00%	2.69
B. Sipil - Sore - Skype	854	570	0.00%	1.9	300	854	1.9	0.00%	232.6

B. Sipil - Sore - Whatsaapp Video Call	1,802	765	0.00%	2.55	300	1,802	2.55	0.00%	187.41
B. KIMIA - Pagi - Upload	1,842	762	0.00%	2.54	300	1,842	2.54	0.00%	0.87
B. KIMIA - Pagi - Download	1,789	534	0.00%	1.78	300	1,789	1.78	0.00%	0.23
B. KIMIA - Pagi - Upload & Download	1,179	702	0.00%	2.34	300	1,179	2.34	0.00%	1.03
B. KIMIA - Pagi - Skype	724	360	0.00%	1.2	300	724	1.2	0.00%	1.1
B. KIMIA - Pagi - Whatsapp Video Call	1,347	453	0.00%	1.51	300	1,347	1.51	0.00%	2.05
B. KIMIA - Siang - Upload	2,059	771	0.00%	2.57	300	2,059	2.57	0.00%	1.34
B. KIMIA - Siang - Download	2,031	414	0.00%	1.38	300	2,031	1.38	0.00%	1.27
B. KIMIA - Siang - Upload & Download	1,202	1098	0.00%	3.66	300	1,202	3.66	0.00%	1.56
B. KIMIA - Siang - Skype	584	360	0.00%	1.2	300	584	1.2	0.00%	3.11
B. KIMIA - Siang - Whatsapp Video Call	522	330	0.00%	1.1	300	522	1.1	0.00%	4.77
B. KIMIA - Sore - Upload	2,203	792	0.00%	2.64	300	2,203	2.64	0.00%	0.82
B. KIMIA - Sore - Download	2,102	2991	0.00%	9.97	300	2,102	9.97	0.00%	0.56
B. KIMIA - Sore - Upload & Download	1,490	648	0.00%	2.16	300	1,490	2.16	0.00%	1.12
B. KIMIA - Sore - Skype	724	561	0.00%	1.87	300	724	1.87	0.00%	1.54
B. KIMIA - Sore - Whatsaapp Video Call	1,376	1761	0.00%	5.87	300	1,376	5.87	0.00%	4.2
B. KIMIA 2 - Pagi - Upload	1,245	501	0.00%	1.67	300	1,245	1.67	0.00%	0.81
B. KIMIA 2 - Pagi - Download	1,456	528	0.00%	1.76	300	1,456	1.76	0.00%	0.62
B. KIMIA 2 - Pagi - Upload & Download	1,269	798	0.00%	2.66	300	1,269	2.66	0.00%	1.19
B. KIMIA 2 - Pagi - Skype	878	540	0.00%	1.8	300	878	1.8	0.00%	1.06
B. KIMIA 2 - Pagi - Whatsapp Video Call	1,892	561	0.00%	1.87	300	1,892	1.87	0.00%	2.11
B. KIMIA 2 - Siang - Upload	1,892	648	0.00%	2.16	300	1,892	2.16	0.00%	0.93
B. KIMIA 2 - Siang - Download	1,779	387	0.00%	1.29	300	1,779	1.29	0.00%	0.74
B. KIMIA 2 - Siang - Upload & Download	1,780	726	0.00%	2.42	300	1,780	2.42	0.00%	1.01
B. KIMIA 2 - Siang - Skype	724	570	0.00%	1.9	300	724	1.9	0.00%	3.79
B. KIMIA 2 - Siang - Whatsapp Video Call	701	546	0.00%	1.82	300	701	1.82	0.00%	6.8
B. KIMIA 2 - Sore - Upload	1,490	399	0.00%	1.33	300	1,490	1.33	0.00%	0.89

B. KIMIA 2 - Sore - Download	1,816	330	0.00%	1.1	300	1,816	1.1	0.00%	0.71
B. KIMIA 2 - Sore - Upload & Download	1,442	753	0.00%	2.51	300	1,442	2.51	0.00%	1.43
B. KIMIA 2 - Sore - Skype	878	828	0.00%	2.76	300	878	2.76	0.00%	1.98
B. KIMIA 2 - Sore - Whatsapp Video Call	1,812	882	0.00%	2.94	300	1,812	2.94	0.00%	3.64
L. Kimia - Pagi - Upload	1,272	408	0.00%	1.36	300	1,272	1.36	0.00%	1.23
L. Kimia - Pagi - Download	1,198	1179	0.00%	3.93	300	1,198	3.93	0.00%	1.04
L. Kimia - Pagi - Upload & Download	989	534	0.00%	1.78	300	989	1.78	0.00%	1.69
L. Kimia - Pagi - Skype	584	810	0.00%	2.7	300	584	2.7	0.00%	1.57
L. Kimia - Pagi - Whatsapp Video Call	1,306	882	0.00%	2.94	300	1,306	2.94	0.00%	2.33
L. Kimia - Siang - Upload	1,152	798	5.67%	2.66	300	1,152	2.66	5.67%	3.42
L. Kimia - Siang - Download	973	1158	3.94%	3.86	300	973	3.86	3.94%	1.66
L. Kimia - Siang - Upload & Download	1,073	636	6.13%	2.12	300	1,073	2.12	6.13%	2.64
L. Kimia - Siang - Skype	582	441	0.00%	1.47	300	582	1.47	0.00%	2.74
L. Kimia - Siang - Whatsapp Video Call	502	411	0.00%	1.37	300	502	1.37	0.00%	2.63
L. Kimia - Sore - Upload	904	798	0.00%	2.66	300	904	2.66	0.00%	2.65
L. Kimia - Sore - Download	1,401	387	0.00%	1.29	300	1,401	1.29	0.00%	1.86
L. Kimia - Sore - Upload & Download	730	771	0.00%	2.57	300	730	2.57	0.00%	1.99
L. Kimia - Sore - Skype	584	435	0.00%	1.45	300	584	1.45	0.00%	1.01
L. Kimia - Sore - Whatsapp Video Call	1,316	615	0.00%	2.05	300	1,316	2.05	0.00%	2.29
Satpam. HBB - Pagi - Upload	1,428	798	0.00%	2.66	300	1,428	2.66	0.00%	2.84
Satpam. HBB - Pagi - Download	1,465	381	0.00%	1.27	300	1,465	1.27	0.00%	2.61
Satpam. HBB - Pagi - Upload & Download	1,372	771	0.00%	2.57	300	1,372	2.57	0.00%	3.01
Satpam. HBB - Pagi - Skype	582	420	0.00%	1.4	300	582	1.4	0.00%	2.87
Satpam. HBB - Pagi - Whatsapp Video Call	1,346	402	0.00%	1.34	300	1,346	1.34	0.00%	3.02
Satpam. HBB - Siang - Upload	873	435	0.00%	1.45	300	873	1.45	0.00%	2.97
Satpam. HBB - Siang - Download	1,193	708	0.00%	2.36	300	1,193	2.36	0.00%	2.76

Satpam. HBB - Siang - Upload & Download	832	363	0.00%	1.21	300	832	1.21	0.00%	3.04
Satpam. HBB - Siang - Skype	878	2175	0.00%	7.25	300	878	7.25	0.00%	3.56
Satpam. HBB - Siang - Whatsapp Video Call	832	369	0.00%	1.23	300	832	1.23	0.00%	2.23
Satpam. HBB - Sore - Upload	894	426	0.00%	1.42	300	894	1.42	0.00%	2.21
Satpam. HBB - Sore - Download	821	369	0.00%	1.23	300	821	1.23	0.00%	1.94
Satpam. HBB - Sore - Upload & Download	801	453	0.00%	1.51	300	801	1.51	0.00%	2.18
Satpam. HBB - Sore - Skype	582	369	0.00%	1.23	300	582	1.23	0.00%	2.23
Satpam. HBB - Sore - Whatsaapp Video Call	1,316	453	0.00%	1.51	300	1,316	1.51	0.00%	2.87

Tabel QOS Menggunakan Metode HTB

<b>Colasoft Capsa 11</b>									
	<b>Bytes</b>	<b>Packets</b>	<b>Packet (%)</b>	<b>Avg. PPS</b>	<b>Time span</b>	<b>Throughput</b>	<b>Delay</b>	<b>Packet Loss</b>	<b>Jitter</b>
B. Elektro 1 - Pagi - Upload	86,310,000	105212	100.00%	121.4919	866	797,321	8.2310	0.00%	1.15
B. Elektro 1 - Pagi - Download	133,650,000	157036	100.00%	151.7256	1035	1,033,043	6.5908	0.00%	0.97
B. Elektro 1 - Pagi - Upload & Download	103,210,000	123250	100.00%	132.5269	930	887,828	7.5456	0.00%	1.08
B. Elektro 1 - Pagi - Skype	145,020,000	189290	100.00%	159.2010	1189	975,744	6.2814	0.00%	0.84
B. Elektro 1 - Pagi - Whatsapp Video Call	160,200,000	206528	100.00%	171.6775	1203	1,065,337	5.8249	0.00%	0.83
B. Elektro 1 - Siang - Upload	14,280,000	24598	100.00%	33.4667	735	155,429	29.8805	0.00%	1.36
B. Elektro 1 - Siang - Download	118,800,000	153028	100.00%	126.4694	1210	785,455	7.9070	0.00%	0.83
B. Elektro 1 - Siang - Upload & Download	60,880,000	88684	100.00%	83.5853	1061	459,039	11.9638	0.00%	0.94
B. Elektro 1 - Siang - Skype	98,770,000	110399	100.00%	99.9991	1104	715,725	10.0001	0.00%	0.91

B. Elektro 1 - Siang - Whatsapp Video Call	104,870,000	138720	100.00%	115.6964	1199	699,716	8.6433	0.00%	0.83
B. Elektro 1 - Sore - Upload	20,310,000	33226	100.00%	53.8509	617	263,339	18.5698	0.00%	1.62
B. Elektro 1 - Sore - Download	64,690,000	94356	100.00%	101.0236	934	554,090	9.8987	0.00%	1.07
B. Elektro 1 - Sore - Upload & Download	42,580,000	66102	100.00%	80.7106	819	415,922	12.3899	0.00%	1.22
B. Elektro 1 - Sore - Skype	49,980,000	75629	100.00%	84.7859	892	448,251	11.7944	0.00%	1.12
B. Elektro 1 - Sore - Whatsaapp Video Call	56,920,000	82309	100.00%	91.3529	901	505,394	10.9466	0.00%	1.11
B. Elektro 2 - Pagi - Upload	41,390,000	58535	100.00%	151.6451	386	857,824	6.5943	0.00%	2.59
B. Elektro 2 - Pagi - Download	345,820,000	380797	100.00%	449.5832	847	3,266,305	2.2243	0.00%	1.18
B. Elektro 2 - Pagi - Upload & Download	162,450,000	192184	100.00%	306.0255	628	2,069,427	3.2677	0.00%	1.59
B. Elektro 2 - Pagi - Skype	219,830,000	279020	100.00%	403.2081	692	2,541,387	2.4801	0.00%	1.45
B. Elektro 2 - Pagi - Whatsapp Video Call	287,920,000	328300	100.00%	430.8399	762	3,022,782	2.3210	0.00%	1.31
B. Elektro 2 - Siang - Upload	19,300,000	24998	100.00%	58.9575	424	364,151	16.9614	0.00%	2.36
B. Elektro 2 - Siang - Download	335,950,000	361569	100.00%	350.0184	1033	2,601,742	2.8570	0.00%	0.97
B. Elektro 2 - Siang - Upload & Download	229,360,000	254531	100.00%	293.2385	868	2,113,917	3.4102	0.00%	1.15
B. Elektro 2 - Siang - Skype	278,300,000	279800	100.00%	311.9287	897	2,482,051	3.2059	0.00%	1.11
B. Elektro 2 - Siang - Whatsapp Video Call	302,870,000	318390	100.00%	323.8962	983	2,464,863	3.0874	0.00%	1.02
B. Elektro 2 - Sore - Upload	35,410,000	45746	100.00%	78.6014	582	486,735	12.7224	0.00%	1.72
B. Elektro 2 - Sore - Download	243,580,000	261219	100.00%	311.3456	839	2,322,574	3.2119	0.00%	1.19
B. Elektro 2 - Sore - Upload & Download	118,660,000	134165	100.00%	187.3813	716	1,325,810	5.3367	0.00%	1.40
B. Elektro 2 - Sore - Skype	168,290,000	199220	100.00%	256.0668	778	1,730,488	3.9052	0.00%	1.29
B. Elektro 2 - Sore - Whatsaapp Video Call	210,920,000	218270	100.00%	272.1571	802	2,103,940	3.6743	0.00%	1.25
B. Elektro 3 - Pagi - Upload	43,710,000	58101	100.00%	86.2033	674	518,813	11.6005	0.00%	1.48
B. Elektro 3 - Pagi - Download	162,340,000	206608	100.00%	212.9979	970	1,338,887	4.6949	0.00%	1.03



B. Elektro 3 - Pagi - Upload & Download	87,620,000	118649	100.00%	143.8170	825	849,648	6.9533	0.00%	1.21
B. Elektro 3 - Pagi - Skype	100,928,000	146893	100.00%	166.9239	880	917,527	5.9908	0.00%	1.14
B. Elektro 3 - Pagi - Whatsapp Video Call	130,293,000	178390	100.00%	197.5526	903	1,154,312	5.0619	0.00%	1.11
B. Elektro 3 - Siang - Upload	49,910,000	73461	100.00%	144.3242	509	784,440	6.9288	0.00%	1.96
B. Elektro 3 - Siang - Download	231,240,000	294686	100.00%	362.9138	812	2,278,227	2.7555	0.00%	1.23
B. Elektro 3 - Siang - Upload & Download	84,870,000	121892	100.00%	194.0955	628	1,081,146	5.1521	0.00%	1.59
B. Elektro 3 - Siang - Skype	138,770,000	178739	100.00%	225.1121	794	1,398,186	4.4422	0.00%	1.26
B. Elektro 3 - Siang - Whatsapp Video Call	198,330,000	248280	100.00%	292.4382	849	1,868,834	3.4195	0.00%	1.18
B. Elektro 3 - Sore - Upload	43,510,000	65235	100.00%	104.7111	623	558,716	9.5501	0.00%	1.61
B. Elektro 3 - Sore - Download	207,320,000	265232	100.00%	281.2641	943	1,758,812	3.5554	0.00%	1.06
B. Elektro 3 - Sore - Upload & Download	88,150,000	125315	100.00%	162.9584	769	917,035	6.1365	0.00%	1.30
B. Elektro 3 - Sore - Skype	119,300,000	178393	100.00%	220.2383	810	1,178,272	4.5405	0.00%	1.23
B. Elektro 3 - Sore - Whatsaapp Video Call	179,300,000	213998	100.00%	239.9081	892	1,608,072	4.1683	0.00%	1.12
B. Mesin - Pagi - Upload	70,860,000	79646	100.00%	249.6740	319	1,777,053	4.0052	0.00%	3.13
B. Mesin - Pagi - Download	527,910,000	533250	100.00%	568.4968	938	4,502,431	1.7590	0.00%	1.07
B. Mesin - Pagi - Upload & Download	484,370,000	494294	100.00%	600.6002	823	4,708,335	1.6650	0.00%	1.22
B. Mesin - Pagi - Skype	498,300,000	518209	100.00%	584.2266	887	4,494,250	1.7117	0.00%	1.13
B. Mesin - Pagi - Whatsapp Video Call	510,090,000	527389	100.00%	584.6885	902	4,524,080	1.7103	0.00%	1.11
B. Mesin - Siang - Upload	164,990,000	176611	100.00%	203.2348	869	1,518,895	4.9204	0.00%	1.15
B. Mesin - Siang - Download	278,310,000	317788	100.00%	260.9097	1218	1,827,980	3.8327	0.00%	0.82
B. Mesin - Siang - Upload & Download	205,040,000	231363	100.00%	223.3234	1036	1,583,320	4.4778	0.00%	0.97
B. Mesin - Siang - Skype	234,780,000	246379	100.00%	224.3889	1098	1,710,601	4.4565	0.00%	0.91
B. Mesin - Siang - Whatsapp Video Call	256,390,000	268939	100.00%	228.3014	1178	1,741,188	4.3802	0.00%	0.85
B. Mesin - Sore - Upload	25,750,000	37941	100.00%	64.1980	591	348,562	15.5768	0.00%	1.69
B. Mesin - Sore - Download	90,000,000	110841	100.00%	110.7303	1001	719,281	9.0310	0.00%	1.00

B. Mesin - Sore - Upload & Download	58,360,000	76477	100.00%	97.9219	781	597,798	10.2122	0.00%	1.28
B. Mesin - Sore - Skype	68,720,000	83802	100.00%	93.8432	893	615,633	10.6561	0.00%	1.12
B. Mesin - Sore - Whatsaapp Video Call	75,820,000	97928	100.00%	104.8480	934	649,422	9.5376	0.00%	1.07
B. Sipil - Pagi - Upload	20,320,000	28379	100.00%	54.0552	525	309,638	18.4996	0.00%	1.90
B. Sipil - Pagi - Download	156,600,000	175600	100.00%	221.1587	794	1,577,834	4.5216	0.00%	1.26
B. Sipil - Pagi - Upload & Download	91,130,000	107122	100.00%	157.5324	680	1,072,118	6.3479	0.00%	1.47
B. Sipil - Pagi - Skype	118,730,000	129849	100.00%	167.5471	775	1,225,600	5.9685	0.00%	1.29
B. Sipil - Pagi - Whatsapp Video Call	138,370,000	158392	100.00%	225.6296	702	1,576,866	4.4320	0.00%	1.42
B. Sipil - Siang - Upload	15,160,000	19839	100.00%	110.8324	179	677,542	9.0226	0.00%	5.59
B. Sipil - Siang - Download	138,400,000	150745	100.00%	274.0818	550	2,013,091	3.6485	0.00%	1.82
B. Sipil - Siang - Upload & Download	57,590,000	68708	100.00%	188.7582	364	1,265,714	5.2978	0.00%	2.75
B. Sipil - Siang - Skype	76,380,000	98303	100.00%	246.9925	398	1,535,276	4.0487	0.00%	2.51
B. Sipil - Siang - Whatsapp Video Call	108,830,000	127380	100.00%	292.8276	435	2,001,471	3.4150	0.00%	2.30
B. Sipil - Sore - Upload	23,670,000	33481	100.00%	54.7971	611	309,918	18.2492	0.00%	1.64
B. Sipil - Sore - Download	130,949,000	156637	100.00%	137.4009	1140	918,940	7.2780	0.00%	0.88
B. Sipil - Sore - Upload & Download	100,210,000	118090	100.00%	146.8781	804	997,114	6.8084	0.00%	1.24
B. Sipil - Sore - Skype	117,390,000	137289	100.00%	154.0842	891	1,054,007	6.4900	0.00%	1.12
B. Sipil - Sore - Whatsaapp Video Call	125,400,000	147483	100.00%	154.2709	956	1,049,372	6.4821	0.00%	1.05
B. KIMIA - Pagi - Upload	22,520,000	30329	100.00%	60.4163	502	358,884	16.5518	0.00%	1.99
B. KIMIA - Pagi - Download	94,580,000	117675	100.00%	104.8797	1122	674,367	9.5347	0.00%	0.89
B. KIMIA - Pagi - Upload & Download	82,940,000	99785	100.00%	138.5903	720	921,556	7.2155	0.00%	1.39
B. KIMIA - Pagi - Skype	86,290,000	103938	100.00%	123.4418	842	819,857	8.1010	0.00%	1.19
B. KIMIA - Pagi - Whatsapp Video Call	89,920,000	113940	100.00%	122.5161	930	773,505	8.1622	0.00%	1.08
B. KIMIA - Siang - Upload	93,610,000	106246	100.00%	489.6129	217	3,451,060	2.0424	0.00%	4.61
B. KIMIA - Siang - Download	322,970,000	340697	100.00%	729.5439	467	5,532,677	1.3707	0.00%	2.14
B. KIMIA - Siang - Upload & Download	177,740,000	198660	100.00%	558.0337	356	3,994,157	1.7920	0.00%	2.81
B. KIMIA - Siang - Skype	219,380,000	238482	100.00%	621.0469	384	4,570,417	1.6102	0.00%	2.60

B. KIMIA - Siang - Whatsapp Video Call	289,430,000	298303	100.00%	711.9403	419	5,526,110	1.4046	0.00%	2.39
B. KIMIA - Sore - Upload	10,750,000	19968	100.00%	20.7352	963	89,304	48.2272	0.00%	1.04
B. KIMIA - Sore - Download	82,540,000	117740	100.00%	73.4040	1604	411,671	13.6232	0.00%	0.62
B. KIMIA - Sore - Upload & Download	54,360,000	81157	100.00%	55.7014	1457	298,476	17.9529	0.00%	0.69
B. KIMIA - Sore - Skype	62,930,000	93029	100.00%	60.7636	1531	328,831	16.4572	0.00%	0.65
B. KIMIA - Sore - Whatsapp Video Call	74,920,000	103940	100.00%	67.9791	1529	391,995	14.7104	0.00%	0.65
B. KIMIA 2 - Pagi - Upload	3,470,000	7984	100.00%	23.1420	345	80,464	43.2114	0.00%	2.90
B. KIMIA 2 - Pagi - Download	65,150,000	89172	100.00%	129.7991	687	758,661	7.7042	0.00%	1.46
B. KIMIA 2 - Pagi - Upload & Download	32,600,000	49092	100.00%	88.7740	553	471,609	11.2646	0.00%	1.81
B. KIMIA 2 - Pagi - Skype	48,740,000	62840	100.00%	105.0836	598	652,040	9.5162	0.00%	1.67
B. KIMIA 2 - Pagi - Whatsapp Video Call	52,900,000	71923	100.00%	115.0768	625	677,120	8.6898	0.00%	1.60
B. KIMIA 2 - Siang - Upload	17,030,000	25569	100.00%	43.3373	590	230,915	23.0748	0.00%	1.69
B. KIMIA 2 - Siang - Download	57,690,000	82084	100.00%	89.2217	920	501,652	11.2080	0.00%	1.09
B. KIMIA 2 - Siang - Upload & Download	36,800,000	54751	100.00%	71.4765	766	384,334	13.9906	0.00%	1.31
B. KIMIA 2 - Siang - Skype	40,920,000	69830	100.00%	87.0698	802	408,180	11.4850	0.00%	1.25
B. KIMIA 2 - Siang - Whatsapp Video Call	48,930,000	75390	100.00%	86.7549	869	450,449	11.5267	0.00%	1.15
B. KIMIA 2 - Sore - Upload	47,100,000	56355	100.00%	101.7238	554	680,144	9.8305	0.00%	1.81
B. KIMIA 2 - Sore - Download	125,980,000	161074	100.00%	150.1156	1073	939,273	6.6615	0.00%	0.93
B. KIMIA 2 - Sore - Upload & Download	93,960,000	122008	100.00%	133.3421	915	821,508	7.4995	0.00%	1.09
B. KIMIA 2 - Sore - Skype	98,300,000	137830	100.00%	146.3163	942	834,820	6.8345	0.00%	1.06
B. KIMIA 2 - Sore - Whatsapp Video Call	118,730,000	14213	100.00%	14.5031	980	969,224	68.9510	0.00%	1.02
L. Kimia - Pagi - Upload	32,670,000	41820	100.00%	83.8076	499	523,768	11.9321	0.00%	2.00
L. Kimia - Pagi - Download	111,030,000	136941	100.00%	153.3494	893	994,670	6.5211	0.00%	1.12
L. Kimia - Pagi - Upload & Download	61,920,000	79985	100.00%	111.3997	718	689,916	8.9767	0.00%	1.39
L. Kimia - Pagi - Skype	84,390,000	97920	100.00%	123.4805	793	851,349	8.0984	0.00%	1.26
L. Kimia - Pagi - Whatsapp Video Call	102,990,000	117389	100.00%	141.9456	827	996,276	7.0450	0.00%	1.21

L. Kimia - Siang - Upload	32,480,000	44617	100.00%	78.6896	567	458,272	12.7082	0.00%	1.76
L. Kimia - Siang - Download	121,180,000	161910	100.00%	161.1045	1005	964,617	6.2072	0.00%	1.00
L. Kimia - Siang - Upload & Download	83,020,000	113447	100.00%	135.5400	837	793,501	7.3779	0.00%	1.19
L. Kimia - Siang - Skype	96,820,000	136288	100.00%	152.7892	892	868,341	6.5450	0.00%	1.12
L. Kimia - Siang - Whatsapp Video Call	110,920,000	153768	100.00%	164.6338	934	950,064	6.0741	0.00%	1.07
L. Kimia - Sore - Upload	34,540,000	44318	100.00%	74.7352	593	465,970	13.3806	0.00%	1.69
L. Kimia - Sore - Download	117,420,000	147692	100.00%	152.2598	970	968,412	6.5677	0.00%	1.03
L. Kimia - Sore - Upload & Download	73,580,000	96547	100.00%	118.3174	816	721,373	8.4518	0.00%	1.23
L. Kimia - Sore - Skype	91,820,000	119834	100.00%	140.9812	850	864,188	7.0931	0.00%	1.18
L. Kimia - Sore - Whatsapp Video Call	100,930,000	127640	100.00%	141.6648	901	896,160	7.0589	0.00%	1.11
Satpam. HBB - Pagi - Upload	19,720,000	52427	100.00%	74.7889	701	225,050	13.3710	0.00%	1.43
Satpam. HBB - Pagi - Download	100,450,000	146798	100.00%	115.4072	1272	631,761	8.6650	0.00%	0.79
Satpam. HBB - Pagi - Upload & Download	79,900,000	123584	100.00%	110.6392	1117	572,247	9.0384	0.00%	0.90
Satpam. HBB - Pagi - Skype	87,950,000	129830	100.00%	113.1909	1147	613,426	8.8346	0.00%	0.87
Satpam. HBB - Pagi - Whatsapp Video Call	94,710,000	133283	100.00%	111.8146	1192	635,638	8.9434	0.00%	0.84
Satpam. HBB - Siang - Upload	49,720,000	58916	100.00%	236.6104	249	1,597,430	4.2264	0.00%	4.02
Satpam. HBB - Siang - Download	508,420,000	542915	100.00%	694.2647	782	5,201,228	1.4404	0.00%	1.28
Satpam. HBB - Siang - Upload & Download	291,740,000	320989	100.00%	583.6164	550	4,243,491	1.7135	0.00%	1.82
Satpam. HBB - Siang - Skype	378,600,000	378606	100.00%	588.8118	643	4,710,420	1.6983	0.00%	1.56
Satpam. HBB - Siang - Whatsapp Video Call	437,890,000	446890	100.00%	622.4095	718	4,878,997	1.6067	0.00%	1.39
Satpam. HBB - Sore - Upload	102,620,000	119381	100.00%	373.0656	320	2,565,500	2.6805	0.00%	3.13
Satpam. HBB - Sore - Download	324,790,000	353199	100.00%	559.7448	631	4,117,781	1.7865	0.00%	1.58
Satpam. HBB - Sore - Upload & Download	215,270,000	244268	100.00%	498.5061	490	3,514,612	2.0060	0.00%	2.04

Satpam. HBB - Sore - Skype	266,900,000	289805	100.00%	554.1205	523	4,082,600	1.8047	0.00%	1.91
Satpam. HBB - Sore - Whatsapp Video Call	308,970,000	313650	100.00%	534.3271	587	4,210,835	1.8715	0.00%	1.70

Tabel QOS Menggunakan Metode HTB

Wireshark									
Lokasi	Avg. bytes/sec	Packets	Packet (%)	Avg. PPS	Time span	Throughput	Delay	Packet Loss	Jitter
B. Elektro 1 - Pagi - Upload	72,000	100461	100.00%	87.92	1142.598	576,000	11.374	0.00%	0.88
B. Elektro 1 - Pagi - Download	164,000	281053	100.00%	177.72	1581.421	1,312,000	5.627	0.00%	0.63
B. Elektro 1 - Pagi - Upload & Download	120,000	180212	100.00%	136.43	1320.943	960,000	7.330	0.00%	0.76
B. Elektro 1 - Pagi - Skype	142,000	217606	100.00%	148.50	1465.36	1,136,000	6.734	0.00%	0.68
B. Elektro 1 - Pagi - Whatsapp Video Call	138,000	238810	100.00%	152.80	1562.892	1,104,000	6.544	0.00%	0.64
B. Elektro 1 - Siang - Upload	5,200	58932	100.00%	89.70	656.989	41,600	11.148	0.00%	1.52
B. Elektro 1 - Siang - Download	112,000	124967	100.00%	144.55	864.552	896,000	6.918	0.00%	1.16
B. Elektro 1 - Siang - Upload & Download	73,000	75772	100.00%	104.74	723.452	584,000	9.548	0.00%	1.38
B. Elektro 1 - Siang - Skype	88,000	89529	100.00%	97.30	920.133	704,000	10.277	0.00%	1.09
B. Elektro 1 - Siang - Whatsapp Video Call	82,000	83904	100.00%	86.20	973.364	656,000	11.601	0.00%	1.03
B. Elektro 1 - Sore - Upload	42,000	42425	100.00%	66.64	636.601	336,000	15.005	0.00%	1.57
B. Elektro 1 - Sore - Download	102,000	128054	100.00%	133.98	955.8	816,000	7.464	0.00%	1.05
B. Elektro 1 - Sore - Upload & Download	61,000	74926	100.00%	90.56	827.328	488,000	11.042	0.00%	1.21
B. Elektro 1 - Sore - Skype	87,000	104927	100.00%	124.90	840.088	696,000	8.006	0.00%	1.19
B. Elektro 1 - Sore - Whatsapp Video Call	81,000	93978	100.00%	108.50	866.156	648,000	9.217	0.00%	1.15
B. Elektro 2 - Pagi - Upload	141,000	111900	100.00%	195.10	573.551	1,128,000	5.126	0.00%	1.74

B. Elektro 2 - Pagi - Download	439,000	475996	100.00%	464.71	1024.287	3,512,000	2.152	0.00%	0.98
B. Elektro 2 - Pagi - Upload & Download	372,000	341195	100.00%	411.98	828.182	2,976,000	2.427	0.00%	1.21
B. Elektro 2 - Pagi - Skype	391,000	379287	100.00%	422.78	897.123	3,128,000	2.365	0.00%	1.11
B. Elektro 2 - Pagi - Whatsapp Video Call	409,000	428290	100.00%	443.82	965.009	3,272,000	2.253	0.00%	1.04
B. Elektro 2 - Siang - Upload	121,000	48770	100.00%	140.64	346.776	968,000	7.110	0.00%	2.88
B. Elektro 2 - Siang - Download	447,000	431738	100.00%	457.60	943.483	3,576,000	2.185	0.00%	1.06
B. Elektro 2 - Siang - Upload & Download	367,000	286726	100.00%	384.58	745.55	2,936,000	2.600	0.00%	1.34
B. Elektro 2 - Siang - Skype	392,000	319820	100.00%	399.16	801.23	3,136,000	2.505	0.00%	1.25
B. Elektro 2 - Siang - Whatsapp Video Call	417,000	398266	100.00%	448.94	887.13	3,336,000	2.227	0.00%	1.13
B. Elektro 2 - Sore - Upload	135,000	75087	100.00%	154.02	487.515	1,080,000	6.493	0.00%	2.05
B. Elektro 2 - Sore - Download	279,000	348193	100.00%	290.08	1200.355	2,232,000	3.447	0.00%	0.83
B. Elektro 2 - Sore - Upload & Download	201,000	224479	100.00%	212.72	1055.287	1,608,000	4.701	0.00%	0.95
B. Elektro 2 - Sore - Skype	249,000	269278	100.00%	236.83	1137.008	1,992,000	4.222	0.00%	0.88
B. Elektro 2 - Sore - Whatsaapp Video Call	268,000	320934	100.00%	270.70	1185.562	2,144,000	3.694	0.00%	0.84
B. Elektro 3 - Pagi - Upload	129,000	79067	100.00%	164.24	481.411	1,032,000	6.089	0.00%	2.08
B. Elektro 3 - Pagi - Download	309,000	275541	100.00%	358.33	768.96	2,472,000	2.791	0.00%	1.30
B. Elektro 3 - Pagi - Upload & Download	191,000	148369	100.00%	240.28	617.483	1,528,000	4.162	0.00%	1.62
B. Elektro 3 - Pagi - Skype	249,000	187630	100.00%	276.98	677.423	1,992,000	3.610	0.00%	1.48
B. Elektro 3 - Pagi - Whatsapp Video Call	287,000	249827	100.00%	341.25	732.092	2,296,000	2.930	0.00%	1.37
B. Elektro 3 - Siang - Upload	108,000	54690	100.00%	153.09	357.231	864,000	6.532	0.00%	2.80
B. Elektro 3 - Siang - Download	420,000	383287	100.00%	491.87	779.241	3,360,000	2.033	0.00%	1.28
B. Elektro 3 - Siang - Upload & Download	239,000	180719	100.00%	310.20	582.589	1,912,000	3.224	0.00%	1.72
B. Elektro 3 - Siang - Skype	272,000	257529	100.00%	403.00	639.033	2,176,000	2.481	0.00%	1.56
B. Elektro 3 - Siang - Whatsapp Video	354,000	319820	100.00%	455.59	701.989	2,832,000	2.195	0.00%	1.42

Call									
B. Elektro 3 - Sore - Upload	106,000	84380	100.00%	149.70	563.644	848,000	6.680	0.00%	1.77
B. Elektro 3 - Sore - Download	318,000	331831	100.00%	375.45	883.833	2,544,000	2.664	0.00%	1.13
B. Elektro 3 - Sore - Upload & Download	225,000	201458	100.00%	284.20	708.858	1,800,000	3.519	0.00%	1.41
B. Elektro 3 - Sore - Skype	259,000	265879	100.00%	347.56	764.983	2,072,000	2.877	0.00%	1.31
B. Elektro 3 - Sore - Whatsaapp Video Call	296,000	290289	100.00%	348.97	831.837	2,368,000	2.866	0.00%	1.20
B. Mesin - Pagi - Upload	316,000	289012	100.00%	323.64	893.007	2,528,000	3.090	0.00%	1.12
B. Mesin - Pagi - Download	554,000	619014	100.00%	527.42	1173.659	4,432,000	1.896	0.00%	0.85
B. Mesin - Pagi - Upload & Download	467,000	475037	100.00%	466.20	1018.947	3,736,000	2.145	0.00%	0.98
B. Mesin - Pagi - Skype	489,000	529701	100.00%	497.37	1065.002	3,912,000	2.011	0.00%	0.94
B. Mesin - Pagi - Whatsapp Video Call	521,000	588700	100.00%	519.65	1132.87	4,168,000	1.924	0.00%	0.88
B. Mesin - Siang - Upload	219,000	1182386	100.00%	6.47	182,811	1,752,000	154.612	0.00%	0.01
B. Mesin - Siang - Download	270,000	138284	100.00%	121.66	1136.653	2,160,000	8.220	0.00%	0.88
B. Mesin - Siang - Upload & Download	256,000	270880	100.00%	281.93	960.805	2,048,000	3.547	0.00%	1.04
B. Mesin - Siang - Skype	264,000	29305	100.00%	29.34	998.723	2,112,000	34.080	0.00%	1.00
B. Mesin - Siang - Whatsapp Video Call	267,000	31980	100.00%	30.19	1059.238	2,136,000	33.122	0.00%	0.94
B. Mesin - Sore - Upload	52,000	31558	100.00%	75.14	420.013	416,000	13.309	0.00%	2.38
B. Mesin - Sore - Download	99,000	113735	100.00%	118.07	963.314	792,000	8.470	0.00%	1.04
B. Mesin - Sore - Upload & Download	69,000	60149	100.00%	86.97	691.623	552,000	11.498	0.00%	1.45
B. Mesin - Sore - Skype	73,000	82003	100.00%	104.73	783.02	584,000	9.549	0.00%	1.28
B. Mesin - Sore - Whatsaapp Video Call	8,600	94029	100.00%	111.83	840.82	68,800	8.942	0.00%	1.19
B. Sipil - Pagi - Upload	96,000	54014	100.00%	116.90	462.052	768,000	8.554	0.00%	2.16
B. Sipil - Pagi - Download	261,000	200759	100.00%	277.45	723.578	2,088,000	3.604	0.00%	1.38
B. Sipil - Pagi - Upload & Download	233,000	154251	100.00%	254.83	605.302	1,864,000	3.924	0.00%	1.65
B. Sipil - Pagi - Skype	249,000	173093	100.00%	264.62	654.13	1,992,000	3.779	0.00%	1.53
B. Sipil - Pagi - Whatsapp Video Call	256,000	198345	100.00%	280.96	705.943	2,048,000	3.559	0.00%	1.42

B. Sipil - Siang - Upload	143,000	33433	100.00%	173.34	192.878	1,144,000	5.769	0.00%	5.18
B. Sipil - Siang - Download	294,000	172441	100.00%	303.36	568.436	2,352,000	3.296	0.00%	1.76
B. Sipil - Siang - Upload & Download	226,000	99745	100.00%	248.22	401.846	1,808,000	4.029	0.00%	2.49
B. Sipil - Siang - Skype	259,000	103444	100.00%	216.89	476.949	2,072,000	4.611	0.00%	2.10
B. Sipil - Siang - Whatsapp Video Call	282,000	149495	100.00%	297.77	502.045	2,256,000	3.358	0.00%	1.99
B. Sipil - Sore - Upload	101,000	70028	100.00%	120.65	580.416	808,000	8.288	0.00%	1.72
B. Sipil - Sore - Download	239,000	22045	100.00%	26.21	840.95	1,912,000	38.147	0.00%	1.19
B. Sipil - Sore - Upload & Download	186,000	150539	100.00%	205.05	734.163	1,488,000	4.877	0.00%	1.36
B. Sipil - Sore - Skype	196,000	170334	100.00%	218.50	779.553	1,568,000	4.577	0.00%	1.28
B. Sipil - Sore - Whatsaapp Video Call	210,000	198040	100.00%	240.50	823.459	1,680,000	4.158	0.00%	1.21
B. KIMIA - Pagi - Upload	215,000	60731	100.00%	240.99	252.005	1,720,000	4.150	0.00%	3.97
B. KIMIA - Pagi - Download	197,000	118695	100.00%	137.11	865.712	1,576,000	7.294	0.00%	1.16
B. KIMIA - Pagi - Upload & Download	116,000	100348	100.00%	224.65	446.691	928,000	4.451	0.00%	2.24
B. KIMIA - Pagi - Skype	127,000	103840	100.00%	176.84	587.209	1,016,000	5.655	0.00%	1.70
B. KIMIA - Pagi - Whatsapp Video Call	134,000	114947	100.00%	161.28	712.729	1,072,000	6.201	0.00%	1.40
B. KIMIA - Siang - Upload	765,000	118266	100.00%	825.49	143.267	6,120,000	1.211	0.00%	6.98
B. KIMIA - Siang - Download	908,000	375476	100.00%	910.47	412.396	7,264,000	1.098	0.00%	2.42
B. KIMIA - Siang - Upload & Download	814,000	276203	100.00%	852.61	323.95	6,512,000	1.173	0.00%	3.09
B. KIMIA - Siang - Skype	833,000	308392	100.00%	836.23	368.789	6,664,000	1.196	0.00%	2.71
B. KIMIA - Siang - Whatsapp Video Call	870,000	349182	100.00%	895.96	389.73	6,960,000	1.116	0.00%	2.57
B. KIMIA - Sore - Upload	27,000	38384	100.00%	42.14	910.962	216,000	23.733	0.00%	1.10
B. KIMIA - Sore - Download	77,000	147889	100.00%	100.56	1470.674	616,000	9.944	0.00%	0.68
B. KIMIA - Sore - Upload & Download	52,000	98151	100.00%	73.06	1343.365	416,000	13.687	0.00%	0.74
B. KIMIA - Sore - Skype	601,000	102849	100.00%	74.63	1378.039	4,808,000	13.399	0.00%	0.73
B. KIMIA - Sore - Whatsaapp Video Call	640,000	127487	100.00%	90.93	1401.983	5,120,000	10.997	0.00%	0.71
B. KIMIA 2 - Pagi - Upload	28,000	16993	100.00%	50.36	337.423	224,000	19.857	0.00%	2.96
B. KIMIA 2 - Pagi - Download	139,000	117068	100.00%	175.15	668.375	1,112,000	5.709	0.00%	1.50



B. KIMIA 2 - Pagi - Upload & Download	89,000	67271	100.00%	124.20	541.626	712,000	8.051	0.00%	1.85
B. KIMIA 2 - Pagi - Skype	103,000	82900	100.00%	140.01	592.092	824,000	7.142	0.00%	1.69
B. KIMIA 2 - Pagi - Whatsapp Video Call	120,000	92873	100.00%	144.94	640.762	960,000	6.899	0.00%	1.56
B. KIMIA 2 - Siang - Upload	178,000	62190	100.00%	202.08	307.754	1,424,000	4.949	0.00%	3.25
B. KIMIA 2 - Siang - Download	113,000	111290	100.00%	143.53	775.396	904,000	6.967	0.00%	1.29
B. KIMIA 2 - Siang - Upload & Download	72,000	63010	100.00%	102.15	616.849	576,000	9.790	0.00%	1.62
B. KIMIA 2 - Siang - Skype	88,000	87402	100.00%	127.05	687.938	704,000	7.871	0.00%	1.45
B. KIMIA 2 - Siang - Whatsapp Video Call	94,000	10938	100.00%	14.99	729.736	752,000	66.716	0.00%	1.37
B. KIMIA 2 - Sore - Upload	106,000	52258	100.00%	133.33	391.95	848,000	7.500	0.00%	2.55
B. KIMIA 2 - Sore - Download	160,000	166789	100.00%	194.39	857.995	1,280,000	5.144	0.00%	1.17
B. KIMIA 2 - Sore - Upload & Download	129,000	115876	100.00%	165.06	702.036	1,032,000	6.059	0.00%	1.42
B. KIMIA 2 - Sore - Skype	142,000	138003	100.00%	180.87	762.982	1,136,000	5.529	0.00%	1.31
B. KIMIA 2 - Sore - Whatsaapp Video Call	15,100	147839	100.00%	181.62	813.987	120,800	5.506	0.00%	1.23
L. Kimia - Pagi - Upload	97,000	48985	100.00%	120.55	406.337	776,000	8.295	0.00%	2.46
L. Kimia - Pagi - Download	183,000	169387	100.00%	212.35	797.69	1,464,000	4.709	0.00%	1.25
L. Kimia - Pagi - Upload & Download	117,000	86795	100.00%	144.44	600.918	936,000	6.923	0.00%	1.66
L. Kimia - Pagi - Skype	134,000	110393	100.00%	171.97	641.939	1,072,000	5.815	0.00%	1.56
L. Kimia - Pagi - Whatsapp Video Call	158,000	139400	100.00%	198.31	702.938	1,264,000	5.043	0.00%	1.42
L. Kimia - Siang - Upload	82,000	45976	100.00%	111.19	413.504	656,000	8.994	0.00%	2.42
L. Kimia - Siang - Download	174,000	184588	100.00%	217.83	847.379	1,392,000	4.591	0.00%	1.18
L. Kimia - Siang - Upload & Download	484,000	218080	100.00%	487.39	447.442	3,872,000	2.052	0.00%	2.23
L. Kimia - Siang - Skype	394,000	196837	100.00%	333.66	589.93	3,152,000	2.997	0.00%	1.70
L. Kimia - Siang - Whatsapp Video Call	425,000	209380	100.00%	330.30	633.9	3,400,000	3.028	0.00%	1.58
L. Kimia - Sore - Upload	74,000	42930	100.00%	95.60	449.067	592,000	10.460	0.00%	2.23
L. Kimia - Sore - Download	182,000	183423	100.00%	213.37	859.635	1,456,000	4.687	0.00%	1.16
L. Kimia - Sore - Upload & Download	177,000	77938	100.00%	206.00	378.346	1,416,000	4.854	0.00%	2.64

L. Kimia - Sore - Skype	179,000	99203	100.00%	189.38	523.842	1,432,000	5.281	0.00%	1.91
L. Kimia - Sore - Whatsapp Video Call	181,000	143736	100.00%	187.91	764.903	1,448,000	5.322	0.00%	1.31
Satpam. HBB - Pagi - Upload	46,000	52893	100.00%	64.26	823.093	368,000	15.561	0.00%	1.21
Satpam. HBB - Pagi - Download	105,000	155942	100.00%	123.18	1265.933	840,000	8.118	0.00%	0.79
Satpam. HBB - Pagi - Upload & Download	73,000	94070	100.00%	91.75	1025.266	584,000	10.899	0.00%	0.98
Satpam. HBB - Pagi - Skype	81,000	111982	100.00%	94.51	1184.893	648,000	10.581	0.00%	0.84
Satpam. HBB - Pagi - Whatsapp Video Call	94,000	142948	100.00%	118.86	1202.653	752,000	8.413	0.00%	0.83
Satpam. HBB - Siang - Upload	229,000	824	100.00%	18.16	45.385	1,832,000	55.079	0.00%	22.06
Satpam. HBB - Siang - Download	838,000	388901	100.00%	854.27	455.246	6,704,000	1.171	0.00%	2.20
Satpam. HBB - Siang - Upload & Download	872,000	279375	100.00%	897.69	311.214	6,976,000	1.114	0.00%	3.21
Satpam. HBB - Siang - Skype	859,000	309380	100.00%	776.12	398.625	6,872,000	1.288	0.00%	2.51
Satpam. HBB - Siang - Whatsapp Video Call	865,000	359300	100.00%	849.76	422.827	6,920,000	1.177	0.00%	2.37
Satpam. HBB - Sore - Upload	343,000	110325	100.00%	387.33	284.834	2,744,000	2.582	0.00%	3.51
Satpam. HBB - Sore - Download	603,000	363854	100.00%	621.17	585.754	4,824,000	1.610	0.00%	1.71
Satpam. HBB - Sore - Upload & Download	616,000	294175	100.00%	646.64	454.926	4,928,000	1.546	0.00%	2.20
Satpam. HBB - Sore - Skype	607,000	301988	100.00%	631.52	478.192	4,856,000	1.583	0.00%	2.09
Satpam. HBB - Sore - Whatsapp Video Call	612,000	339300	100.00%	630.62	538.039	4,896,000	1.586	0.00%	1.86