



LAMPIRAN - LAMPIRAN

Data Packet

PERTAMA			
pukul	paket	Byte	bit
08.05	5.438.881	3.366.667.374	26.933.338.992
08.10	10.832.835	6.662.193.426	53.297.547.408
08.15	7.236.604	4.645.900.030	37.167.200.240
08.20	10.147.624	6.535.069.757	52.280.558.056
08.25	11.028.882	6.848.935.530	54.791.484.240
08.30	4.061.216	2.591.056.056	20.728.448.448
08.35	7.799.076	4.890.020.395	39.120.163.160
08.40	10.591.591	6.587.969.534	52.703.756.272
08.45	4.512.224	2.815.627.478	22.525.019.824
08.50	7.045.196	4.410.292.536	35.282.340.288
08.55	6.255.477	4.053.548.790	32.428.390.320
09.00	10.193.156	6.309.563.424	50.476.507.392
Σ	95.142.762	59.716.844.330	477.734.754.640
09.05	8.299.830	5.378.290.067	43.026.320.536
09.10	11.569.625	7.497.116.691	59.976.933.528
09.15	8.651.447	5.623.440.677	44.987.525.416
09.20	11.706.966	7.328.560.824	58.628.486.592
09.25	4.484.798	2.758.151.057	22.065.208.456
09.30	6.977.189	4.493.309.658	35.946.477.264
09.35	9.672.168	6.199.859.524	49.598.876.192
09.40	13.474.950	8.462.268.814	67.698.150.512

KEDUA			
Pukul	Packet	byte	bit
08.05	3.739.646	2.408.332.251	19.266.658.008
08.10	4.676.233	2.908.617.221	23.268.937.768
08.15	11.235.016	7.123.000.064	56.984.000.512
08.20	12.758.091	8.101.387.850	64.811.102.800
08.25	13.355.957	8.294.049.138	66.352.393.104
08.30	7.485.359	4.648.407.726	37.187.261.808
08.35	9.057.116	5.805.611.109	46.444.888.872
08.40	11.313.677	7.319.949.334	58.559.594.672
08.45	13.251.331	8.454.349.078	67.634.792.624
08.50	7.150.690	4.576.441.877	36.611.535.016
08.55	12.631.284	8.084.021.827	64.672.174.616
09.00	13.409.344	8.367.430.836	66.939.446.688
Σ	120.063.744	76.091.598.311	608.732.786.488
09.05	11.212.046	7.231.769.899	57.854.159.192
09.10	9.772.646	6.254.493.432	50.035.947.456
09.15	11.174.610	7.095.877.125	56.767.017.000
09.20	5.212.063	3.346.144.379	26.769.155.032
09.25	8.196.119	5.270.104.383	42.160.835.064
09.30	13.421.061	8.388.162.967	67.105.303.736
09.35	11.437.395	7.102.622.435	56.820.979.480
09.40	6.290.823	4.063.871.870	32.510.974.960

09.45	11.846.581	7.487.039.331	59.896.314.648
09.50	10.769.940	6.817.371.849	54.538.974.792
09.55	10.141.122	6.490.318.169	51.922.545.352
10.00	10.972.237	6.890.564.550	55.124.516.400
Σ	118.566.853	75.426.291.211	603.410.329.688
10.05	12.513.167	7.820.729.523	62.565.836.184
10.10	7.649.273	4.926.132.066	39.409.056.528
10.15	4.779.995	3.033.689.774	24.269.518.192
10.20	11.792.164	7.535.192.879	60.281.543.032
10.25	9.512.209	6.133.444.038	49.067.552.304
10.30	11.598.653	7.237.559.667	57.900.477.336
10.35	5.751.398	3.721.154.679	29.769.237.432
10.40	7.096.418	4.399.779.266	35.198.234.128
10.45	11.731.997	7.438.085.974	59.504.687.792
10.50	6.068.962	3.878.066.804	31.024.534.432
10.55	10.248.918	6.620.800.754	52.966.406.032
11.00	5.393.361	3.478.717.900	27.829.743.200
Σ	104.136.515	66.223.353.324	529.786.826.592
11.05	8.133.272	5.115.828.096	40.926.624.768
11.10	7.832.541	5.036.323.752	40.290.590.016
11.15	7.886.845	5.102.788.771	40.822.310.168
11.20	6.900.265	4.436.870.539	35.494.964.312
11.25	5.241.017	3.322.804.570	26.582.436.560
11.30	11.306.644	7.258.865.565	58.070.924.520
11.35	11.493.031	7.390.019.146	59.120.153.168

09.45	5.827.065	3.764.284.288	30.114.274.304
09.50	6.583.951	4.200.560.735	33.604.485.880
09.55	13.029.955	8.274.021.583	66.192.172.664
10.00	8.419.507	5.447.421.200	43.579.369.600
Σ	110.577.241	70.439.334.296	563.514.674.368
10.05	11.356.195	7.381.526.910	59.052.215.280
10.10	11.871.841	7.597.978.096	60.783.824.768
10.15	12.646.686	8.169.758.859	65.358.070.872
10.20	9.205.493	5.781.049.292	46.248.394.336
10.25	11.864.723	7.462.910.960	59.703.287.680
10.30	10.662.651	6.696.145.106	53.569.160.848
10.35	9.064.274	5.764.878.051	46.119.024.408
10.40	11.025.927	6.902.230.178	55.217.841.424
10.45	5.076.694	3.233.853.825	25.870.830.600
10.50	8.340.485	5.387.953.414	43.103.627.312
10.55	6.341.391	3.982.393.634	31.859.149.072
11.00	10.082.882	6.271.552.389	50.172.419.112
Σ	117.539.242	74.632.230.714	597.057.845.712
11.05	9.230.789	5.732.319.787	45.858.558.296
11.10	6.055.543	3.925.569.159	31.404.553.272
11.15	13.324.293	8.407.628.827	67.261.030.616
11.20	8.982.723	5.632.167.488	45.057.339.904
11.25	5.359.184	3.381.644.805	27.053.158.440
11.30	9.772.653	6.117.680.643	48.941.445.144
11.35	4.197.958	2.606.931.621	20.855.452.968

11.40	5.179.450	3.231.976.601	25.855.812.808
11.45	5.338.746	3.384.765.075	27.078.120.600
11.50	10.696.015	6.877.537.530	55.020.300.240
11.55	7.673.043	4.841.690.417	38.733.523.336
12.00	12.867.477	8.119.377.991	64.955.023.928
Σ	100.548.346	64.118.848.053	512.950.784.424
12.05	9.178.596	5.819.229.582	46.553.836.656
12.10	10.621.987	6.840.559.489	54.724.475.912
12.15	13.121.191	8.226.986.563	65.815.892.504
12.20	10.398.721	6.499.200.419	51.993.603.352
12.25	13.159.113	8.434.991.523	67.479.932.184
12.30	7.615.884	4.881.781.542	39.054.252.336
12.35	10.688.047	6.669.341.505	53.354.732.040
12.40	4.689.667	2.954.490.003	23.635.920.024
12.45	4.267.399	2.709.798.565	21.678.388.520
12.50	6.261.878	4.007.601.601	32.060.812.808
12.55	3.826.778	2.407.043.572	19.256.348.576
13.00	13.390.080	8.315.239.640	66.521.917.120
Σ	107.219.341	67.766.264.004	542.130.112.032
13.05	6.003.980	3.842.547.075	30.740.376.600
13.10	9.762.570	6.335.907.642	50.687.261.136
13.15	12.266.290	7.825.893.177	62.607.145.416
13.20	9.067.632	5.767.013.813	46.136.110.504
13.25	10.843.946	6.961.813.338	55.694.506.704
13.30	9.901.835	6.109.432.231	48.875.457.848

11.40	12.895.555	8.227.364.241	65.818.913.928
11.45	13.334.854	8.307.613.948	66.460.911.584
11.50	7.984.722	4.966.497.340	39.731.978.720
11.55	5.306.414	3.427.943.513	27.423.548.104
12.00	3.761.064	2.395.797.767	19.166.382.136
Σ	100.205.752	63.129.159.139	505.033.273.112
12.05	6.407.596	4.113.676.444	32.909.411.552
12.10	7.057.522	4.495.641.285	35.965.130.280
12.15	12.873.210	8.174.488.056	65.395.904.448
12.20	12.847.390	8.132.397.969	65.059.183.752
12.25	11.986.244	7.767.086.167	62.136.689.336
12.30	12.040.981	7.730.309.584	61.842.476.672
12.35	10.958.902	6.926.025.834	55.408.206.672
12.40	12.283.988	7.616.072.572	60.928.580.576
12.45	5.958.585	3.712.198.739	29.697.589.912
12.50	6.120.858	3.978.557.890	31.828.463.120
12.55	5.697.562	3.583.766.359	28.670.130.872
13.00	11.704.488	7.408.940.691	59.271.525.528
Σ	115.937.326	73.639.161.590	589.113.292.720
13.05	11.865.378	7.498.919.050	59.991.352.400
13.10	11.307.307	7.247.983.780	57.983.870.240
13.15	12.626.138	8.080.728.537	64.645.828.296
13.20	10.354.404	6.606.109.893	52.848.879.144
13.25	9.970.808	6.391.288.112	51.130.304.896
13.30	9.163.550	5.855.508.458	46.844.067.664

13.35	12.394.396	8.019.174.510	64.153.396.080
13.40	10.043.789	6.518.418.958	52.147.351.664
13.45	11.329.266	6.967.498.857	55.739.990.856
13.50	5.239.466	3.264.187.585	26.113.500.680
13.55	4.085.040	2.622.595.974	20.980.767.792
14.00	9.013.814	5.768.841.201	46.150.729.608
Σ	109.952.024	70.003.324.361	560.026.594.888
14.05	4.529.443	2.799.196.014	22.393.568.112
14.10	7.964.267	5.001.559.884	40.012.479.072
14.15	4.740.384	2.943.778.707	23.550.229.656
14.20	7.841.865	4.838.430.980	38.707.447.840
14.25	4.568.665	2.942.220.037	23.537.760.296
14.30	10.758.038	6.938.934.811	55.511.478.488
14.35	12.219.820	7.661.827.317	61.294.618.536
14.40	8.149.459	5.207.504.551	41.660.036.408
14.45	11.263.942	7.130.075.271	57.040.602.168
14.50	7.116.010	4.596.942.733	36.775.541.864
14.55	13.311.225	8.465.939.274	67.727.514.192
15.00	8.796.738	5.550.741.431	44.405.931.448
Σ	101.259.856	64.077.151.010	512.617.208.080
15.05	13.049.445	8.456.040.246	67.648.321.968
15.10	12.581.571	8.039.623.848	64.316.990.784
15.15	9.767.353	6.114.362.723	48.914.901.784
15.20	4.009.171	2.497.713.354	19.981.706.832
15.25	11.710.141	7.494.490.174	59.955.921.392

13.35	10.410.206	6.568.839.964	52.550.719.712
13.40	9.407.796	5.964.542.905	47.716.343.240
13.45	8.394.416	5.254.904.494	42.039.235.952
13.50	4.174.082	2.600.453.173	20.803.625.384
13.55	12.580.181	7.837.452.987	62.699.623.896
14.00	6.060.159	3.848.201.107	30.785.608.856
Σ	116.314.425	73.754.932.460	590.039.459.680
14.05	10.460.387	6.673.726.752	53.389.814.016
14.10	9.250.133	5.994.086.326	47.952.690.608
14.15	5.416.170	3.515.094.130	28.120.753.040
14.20	6.802.563	4.292.417.199	34.339.337.592
14.25	6.190.282	4.017.492.988	32.139.943.904
14.30	5.195.518	3.283.567.384	26.268.539.072
14.35	6.762.148	4.280.439.986	34.243.519.888
14.40	11.455.909	7.263.046.449	58.104.371.592
14.45	3.920.751	2.462.231.737	19.697.853.896
14.50	5.396.920	3.405.456.303	27.243.650.424
14.55	9.566.242	6.045.865.230	48.366.921.840
15.00	12.613.374	8.186.080.008	65.488.640.064
Σ	93.030.397	59.419.504.492	475.356.035.936
15.05	12.896.890	8.279.803.674	66.238.429.392
15.10	4.973.677	3.123.469.020	24.987.752.160
15.15	5.359.878	3.419.602.129	27.356.817.032
15.20	8.047.298	5.198.554.562	41.588.436.496
15.25	12.552.048	7.857.582.181	62.860.657.448

15.30	7.431.441	4.644.650.860	37.157.206.880
15.35	8.043.712	5.131.888.262	41.055.106.096
15.40	4.862.196	2.995.112.558	23.960.900.464
15.45	9.130.845	5.816.348.209	46.530.785.672
15.50	9.396.663	5.929.294.058	47.434.352.464
15.55	8.203.953	5.102.859.045	40.822.872.360
16.00	5.913.801	3.761.177.671	30.089.421.368
Σ	104.100.292	65.983.561.008	527.868.488.064

15.30	4.807.741	3.048.107.484	24.384.859.872
15.35	8.543.403	5.425.060.828	43.400.486.624
15.40	7.146.019	4.594.890.001	36.759.120.008
15.45	6.541.891	4.219.519.408	33.756.155.264
15.50	6.466.461	4.177.333.721	33.418.669.768
15.55	10.556.569	6.618.968.708	52.951.749.664
16.00	11.605.111	7.462.086.349	59.696.690.792
Σ	99.496.986	63.424.978.065	507.399.824.520

KETIGA			
pukul	packet	byte	bit
08.05	3.972.064	2.558.009.153	20.464.073.224
08.10	4.994.267	3.121.416.888	24.971.335.104
08.15	7.893.536	4.949.246.911	39.593.975.288
08.20	6.551.098	4.146.845.012	33.174.760.096
08.25	5.571.287	3.454.197.837	27.633.582.696
08.30	12.393.318	8.043.263.591	64.346.108.728
08.35	12.336.300	7.895.231.937	63.161.855.496
08.40	13.524.491	8.470.165.974	67.761.327.792
08.45	5.004.370	3.127.731.048	25.021.848.384
08.50	9.239.025	5.931.453.770	47.451.630.160
08.55	8.096.582	5.036.074.188	40.288.593.504
09.00	11.313.113	7.025.443.063	56.203.544.504
Σ	100.889.451	63.759.079.372	510.072.634.976

09.05	7.512.495	4.747.896.593	37.983.172.744
09.10	6.775.256	4.397.141.045	35.177.128.360
09.15	13.106.257	8.165.198.003	65.321.584.024
09.20	6.360.181	4.070.515.735	32.564.125.880
09.25	11.511.506	7.252.248.656	58.017.989.248
09.30	5.497.483	3.479.906.706	27.839.253.648
09.35	6.010.252	3.774.438.492	30.195.507.936
09.40	10.738.229	6.668.440.519	53.347.524.152
09.45	10.748.794	6.889.976.852	55.119.814.816
09.50	12.627.843	8.157.586.687	65.260.693.496
09.55	6.343.712	4.047.288.342	32.378.306.736
10.00	4.274.073	2.705.488.030	21.643.904.240
Σ	101.506.081	64.356.125.660	514.849.005.280
10.05	13.099.764	8.121.853.389	64.974.827.112
10.10	8.921.352	5.620.451.854	44.963.614.832
10.15	12.399.836	7.849.096.112	62.792.768.896
10.20	10.737.752	6.839.947.882	54.719.583.056
10.25	10.709.820	6.918.543.960	55.348.351.680
10.30	7.619.671	4.724.195.835	37.793.566.680
10.35	7.556.401	4.775.645.730	38.205.165.840
10.40	6.159.444	3.985.160.153	31.881.281.224
10.45	6.348.573	4.063.086.744	32.504.693.952
10.50	7.335.363	4.606.607.926	36.852.863.408
10.55	9.085.635	5.660.350.682	45.282.805.456
11.00	8.536.771	5.335.481.759	42.683.854.072

Σ	108.510.382	68.500.422.026	548.003.376.208
11.05	4.937.034	3.090.583.101	24.724.664.808
11.10	7.281.865	4.682.239.026	37.457.912.208
11.15	4.618.170	2.983.338.134	23.866.705.072
11.20	9.511.373	5.963.631.135	47.709.049.080
11.25	11.703.517	7.478.547.144	59.828.377.152
11.30	8.116.207	5.170.023.711	41.360.189.688
11.35	7.112.714	4.409.882.719	35.279.061.752
11.40	4.997.592	3.143.485.070	25.147.880.560
11.45	9.744.759	6.265.880.141	50.127.041.128
11.50	10.324.683	6.556.173.802	52.449.390.416
11.55	3.969.236	2.504.587.824	20.036.702.592
12.00	4.858.892	3.065.960.695	24.527.685.560
Σ	87.176.042	55.314.332.502	442.514.660.016
12.05	8.537.838	5.361.762.481	42.894.099.848
12.10	9.199.055	5.868.997.133	46.951.977.064
12.15	7.212.032	4.673.396.929	37.387.175.432
12.20	11.339.391	7.064.440.538	56.515.524.304
12.25	10.295.214	6.650.708.280	53.205.666.240
12.30	12.956.823	8.305.323.590	66.442.588.720
12.35	4.913.429	3.090.546.857	24.724.374.856
12.40	11.523.090	7.443.915.914	59.551.327.312
12.45	3.834.161	2.411.686.968	19.293.495.744
12.50	13.038.840	8.305.741.128	66.445.929.024
12.55	9.978.351	6.465.971.313	51.727.770.504

13.00	6.346.749	4.030.185.836	32.241.486.688
Σ	109.174.973	69.672.676.967	557.381.415.736
13.05	10.423.693	6.525.232.067	52.201.856.536
13.10	9.887.794	6.169.983.572	49.359.868.576
13.15	10.122.605	6.559.448.080	52.475.584.640
13.20	12.410.471	7.905.470.109	63.243.760.872
13.25	7.699.407	4.927.620.407	39.420.963.256
13.30	11.362.207	7.226.363.865	57.810.910.920
13.35	10.524.694	6.830.526.674	54.644.213.392
13.40	9.936.820	6.429.122.449	51.432.979.592
13.45	6.412.579	4.142.526.158	33.140.209.264
13.50	5.409.150	3.499.720.026	27.997.760.208
13.55	3.995.571	2.477.254.271	19.818.034.168
14.00	7.860.684	5.015.116.343	40.120.930.744
Σ	106.045.675	67.708.384.021	541.667.072.168
14.05	4.625.126	2.923.079.537	23.384.636.296
14.10	11.438.499	7.320.639.443	58.565.115.544
14.15	12.489.202	7.830.729.341	62.645.834.728
14.20	3.978.025	2.502.177.604	20.017.420.832
14.25	5.504.700	3.456.951.358	27.655.610.864
14.30	9.865.632	6.392.929.307	51.143.434.456
14.35	4.740.998	2.982.087.559	23.856.700.472
14.40	6.421.683	4.084.190.080	32.673.520.640
14.45	8.358.524	5.407.965.308	43.263.722.464
14.50	8.745.146	5.483.206.756	43.865.654.048

14.55	6.811.107	4.331.864.110	34.654.912.880
15.00	11.223.487	7.003.455.926	56.027.647.408
Σ	94.202.129	59.719.276.329	477.754.210.632
15.05	12.927.589	8.377.077.890	67.016.623.120
15.10	4.482.765	2.900.348.835	23.202.790.680
15.15	3.909.322	2.427.688.807	19.421.510.456
15.20	12.434.695	7.746.815.142	61.974.521.136
15.25	10.444.762	6.548.865.931	52.390.927.448
15.30	7.342.748	4.625.931.417	37.007.451.336
15.35	11.223.379	7.104.399.199	56.835.193.592
15.40	9.273.589	5.805.266.487	46.442.131.896
15.45	3.750.658	2.422.925.199	19.383.401.592
15.50	8.443.722	5.361.763.603	42.894.108.824
15.55	3.989.442	2.561.221.892	20.489.775.136
16.00	5.241.548	3.407.006.325	27.256.050.600
Σ	93.464.219	59.289.310.727	474.314.485.816

KEEMPAT			
pukul	Paket	byte	bit
08.05	7.721.010	4.887.399.299	39.099.194.392
08.10	10.831.367	7.029.557.310	56.236.458.480
08.15	12.036.374	7.763.461.210	62.107.689.680
08.20	11.465.861	7.384.014.211	59.072.113.688
08.25	11.731.599	7.650.781.600	61.206.252.800

KELIMA			
pukul	paket	byte	bit
08.05	7.579.031	4.918.791.115	39.350.328.920
08.10	8.299.939	5.228.961.431	41.831.691.448
08.15	4.819.865	3.132.912.458	25.063.299.664
08.20	7.870.333	4.911.087.955	39.288.703.640
08.25	4.867.604	3.159.075.316	25.272.602.528

08.30	9.866.511	6.206.035.333	49.648.282.664
08.35	3.739.646	2.408.332.251	19.266.658.008
08.40	4.920.414	3.075.258.690	24.602.069.520
08.45	5.783.479	3.603.107.569	28.824.860.552
08.50	8.647.714	5.436.822.786	43.494.582.288
08.55	4.676.233	2.908.617.221	23.268.937.768
09.00	4.994.267	3.121.416.888	24.971.335.104
Σ	96.414.475	61.474.804.368	491.798.434.944
09.05	7.450.734	4.813.173.880	38.505.391.040
09.10	5.178.435	3.309.019.976	26.472.159.808
09.15	10.034.021	6.421.773.372	51.374.186.976
09.20	6.451.295	4.019.156.626	32.153.253.008
09.25	4.623.421	3.005.223.691	24.041.789.528
09.30	9.446.830	6.055.418.131	48.443.345.048
09.35	10.275.864	6.576.553.154	52.612.425.232
09.40	3.856.925	2.260.826.987	18.086.615.896
09.45	9.375.037	5.812.522.873	46.500.182.984
09.50	8.969.971	5.740.781.553	45.926.252.424
09.55	12.750.948	8.033.097.080	64.264.776.640
10.00	10.730.462	6.738.730.365	53.909.842.920
Σ	99.143.943	62.786.277.688	502.290.221.504
10.05	6.399.988	4.044.792.399	32.358.339.192
10.10	9.974.480	6.383.667.162	51.069.337.296
10.15	9.599.672	5.970.995.954	47.767.967.632
10.20	7.363.392	4.786.204.864	38.289.638.912

08.30	8.215.693	5.249.827.533	41.998.620.264
08.35	10.044.535	6.348.145.859	50.785.166.872
08.40	6.166.922	3.860.493.341	30.883.946.728
08.45	12.544.761	7.759.370.735	62.074.965.880
08.50	7.513.905	4.838.954.563	38.711.636.504
08.55	11.570.342	7.347.167.222	58.777.337.776
09.00	6.577.205	4.123.907.747	32.991.261.976
Σ	96.070.135	60.878.695.275	487.029.562.200
09.05	10.508.683	6.546.909.297	52.375.274.376
09.10	8.650.337	5.380.509.659	43.044.077.272
09.15	5.423.177	3.525.065.012	28.200.520.096
09.20	9.383.298	5.817.644.711	46.541.157.688
09.25	10.042.311	6.246.317.716	49.970.541.728
09.30	7.947.645	4.967.278.207	39.738.225.656
09.35	10.793.037	6.810.406.640	54.483.253.120
09.40	8.853.707	5.560.128.108	44.481.024.864
09.45	6.808.738	4.255.461.110	34.043.688.880
09.50	8.773.488	5.465.882.878	43.727.063.024
09.55	10.918.893	7.086.361.766	56.690.894.128
10.00	4.714.116	2.988.749.553	23.909.996.424
Σ	102.817.430	64.650.714.657	517.205.717.256
10.05	5.683.834	3.529.660.950	28.237.287.600
10.10	11.423.518	7.219.663.285	57.757.306.280
10.15	3.887.680	2.441.463.281	19.531.706.248
10.20	4.514.438	2.853.124.806	22.824.998.448

10.25	3.482.354	2.265.127.886	18.121.023.088
10.30	8.890.450	5.778.792.207	46.230.337.656
10.35	10.896.850	6.930.396.589	55.443.172.712
10.40	12.382.882	7.813.598.347	62.508.786.776
10.45	5.866.956	3.655.113.318	29.240.906.544
10.50	5.485.547	3.412.010.198	27.296.081.584
10.55	6.686.422	4.179.013.878	33.432.111.024
11.00	5.652.891	3.566.613.240	28.532.905.920
Σ	92.681.884	58.786.326.042	470.290.608.336
11.05	4.577.803	2.902.327.293	23.218.618.344
11.10	11.680.917	7.592.596.115	60.740.768.920
11.15	3.579.711	2.316.072.888	18.528.583.104
11.20	7.204.648	4.502.905.211	36.023.241.688
11.25	4.785.068	3.014.592.822	24.116.742.576
11.30	10.373.332	6.535.199.379	52.281.595.032
11.35	10.159.797	6.390.512.294	51.124.098.352
11.40	12.411.198	7.930.755.236	63.446.041.888
11.45	4.025.986	2.516.241.461	20.129.931.688
11.50	13.576.905	8.417.680.870	67.341.446.960
11.55	6.941.394	4.324.488.265	34.595.906.120
12.00	6.760.230	4.258.945.048	34.071.560.384
Σ	96.076.989	60.702.316.882	485.618.535.056
12.05	6.053.968	3.862.431.444	30.899.451.552
12.10	5.587.473	3.559.220.377	28.473.763.016
12.15	7.706.636	4.778.114.314	38.224.914.512

10.25	12.213.171	7.669.871.106	61.358.968.848
10.30	3.948.091	2.530.726.560	20.245.812.480
10.35	7.955.138	5.019.691.947	40.157.535.576
10.40	12.251.802	7.792.145.828	62.337.166.624
10.45	9.002.220	5.689.403.216	45.515.225.728
10.50	6.978.808	4.424.564.060	35.396.512.480
10.55	8.864.800	5.664.607.411	45.316.859.288
11.00	6.959.301	4.363.481.988	34.907.855.904
Σ	93.682.801	59.198.404.438	473.587.235.504
11.05	5.472.752	3.453.306.404	27.626.451.232
11.10	12.222.310	7.907.834.552	63.262.676.416
11.15	6.635.620	4.167.169.156	33.337.353.248
11.20	5.657.860	3.621.030.507	28.968.244.056
11.25	8.392.257	5.303.906.383	42.431.251.064
11.30	10.486.790	6.543.757.150	52.350.057.200
11.35	10.134.174	6.455.468.842	51.643.750.736
11.40	10.845.806	6.876.241.063	55.009.928.504
11.45	9.398.730	6.099.775.502	48.798.204.016
11.50	9.078.187	5.828.195.849	46.625.566.792
11.55	4.769.984	3.100.489.877	24.803.919.016
12.00	12.607.248	8.005.602.774	64.044.822.192
Σ	105.701.718	67.362.778.059	538.902.224.472
12.05	5.251.944	3.403.259.998	27.226.079.984
12.10	6.681.923	4.329.885.810	34.639.086.480
12.15	9.531.066	6.080.820.137	48.646.561.096

12.20	9.886.092	6.356.756.900	50.854.055.200
12.25	6.549.621	4.191.757.135	33.534.057.080
12.30	11.256.769	7.136.791.328	57.094.330.624
12.35	10.316.087	6.602.295.966	52.818.367.728
12.40	4.690.074	2.996.957.455	23.975.659.640
12.45	3.956.807	2.461.134.104	19.689.072.832
12.50	12.124.741	7.626.461.909	61.011.695.272
12.55	12.957.721	8.292.941.171	66.343.529.368
13.00	9.741.878	6.059.448.103	48.475.584.824
∑	100.827.867	63.924.310.206	511.394.481.648
13.05	12.505.086	8.078.285.746	64.626.285.968
13.10	11.280.904	7.264.902.398	58.119.219.184
13.15	8.073.069	5.190.983.681	41.527.869.448
13.20	8.178.369	5.201.442.817	41.611.542.536
13.25	12.343.614	8.023.349.148	64.186.793.184
13.30	5.916.569	3.674.189.652	29.393.517.216
13.35	6.198.431	3.861.622.782	30.892.982.256
13.40	4.341.409	2.743.770.785	21.950.166.280
13.45	4.497.347	2.896.291.595	23.170.332.760
13.50	8.429.712	5.470.883.259	43.767.066.072
13.55	7.339.988	4.550.792.271	36.406.338.168
14.00	5.420.024	3.365.834.634	26.926.677.072
∑	94.524.522	60.322.348.768	482.578.790.144
14.05	4.294.515	2.679.777.294	21.438.218.352
14.10	6.806.478	4.390.178.618	35.121.428.944

12.20	10.013.130	6.368.350.555	50.946.804.440
12.25	5.759.593	3.663.101.091	29.304.808.728
12.30	8.414.508	5.250.653.082	42.005.224.656
12.35	4.768.159	2.980.099.207	23.840.793.656
12.40	5.307.472	3.295.939.965	26.367.519.720
12.45	11.262.073	7.230.250.981	57.842.007.848
12.50	3.794.771	2.383.116.235	19.064.929.880
12.55	4.529.915	2.840.256.533	22.722.052.264
13.00	4.004.838	2.495.014.253	19.960.114.024
∑	79.319.392	50.320.747.847	402.565.982.776
13.05	7.799.424	4.983.832.203	39.870.657.624
13.10	5.658.903	3.542.473.334	28.339.786.672
13.15	8.770.196	5.463.831.818	43.710.654.544
13.20	5.930.659	3.789.691.300	30.317.530.400
13.25	6.634.886	4.179.978.328	33.439.826.624
13.30	9.734.813	6.240.015.449	49.920.123.592
13.35	13.327.442	8.316.323.710	66.530.589.680
13.40	6.152.316	3.839.045.255	30.712.362.040
13.45	4.889.032	3.065.423.037	24.523.384.296
13.50	3.669.027	2.351.846.181	18.814.769.448
13.55	10.910.343	6.829.874.851	54.638.998.808
14.00	11.827.103	7.545.691.591	60.365.532.728
∑	95.304.144	60.148.027.057	481.184.216.456
14.05	5.978.543	3.874.095.885	30.992.767.080
14.10	13.294.747	8.402.280.352	67.218.242.816

14.15	6.040.402	3.835.655.517	30.685.244.136
14.20	4.925.950	3.123.052.491	24.984.419.928
14.25	11.642.995	7.230.299.713	57.842.397.704
14.30	13.289.623	8.359.172.660	66.873.381.280
14.35	7.652.360	4.667.694.612	37.341.556.896
14.40	10.947.429	7.115.828.807	56.926.630.456
14.45	7.345.990	4.613.281.619	36.906.252.952
14.50	4.728.975	3.002.898.898	24.023.191.184
14.55	6.707.852	4.259.486.051	34.075.888.408
15.00	4.136.701	2.610.258.373	20.882.066.984
Σ	88.519.270	55.887.584.653	447.100.677.224
15.05	6.711.085	4.274.961.223	34.199.689.784
15.10	10.976.133	7.090.582.179	56.724.657.432
15.15	10.534.168	6.762.936.099	54.103.488.792
15.20	6.433.127	4.181.532.237	33.452.257.896
15.25	10.967.307	6.975.207.183	55.801.657.464
15.30	9.791.329	6.344.781.079	50.758.248.632
15.35	8.500.518	5.465.833.363	43.726.666.904
15.40	9.527.724	6.011.994.133	48.095.953.064
15.45	10.401.119	6.698.320.592	53.586.564.736
15.50	9.544.785	5.917.766.841	47.342.134.728
15.55	10.794.096	6.919.015.813	55.352.126.504
16.00	9.444.543	6.016.173.698	48.129.389.584
Σ	113.625.934	72.659.104.440	581.272.835.520

14.15	10.155.002	6.448.426.094	51.587.408.752
14.20	4.111.861	2.557.577.679	20.460.621.432
14.25	9.508.552	5.961.861.924	47.694.895.392
14.30	12.125.938	7.578.711.140	60.629.689.120
14.35	5.076.062	3.228.375.470	25.827.003.760
14.40	3.752.754	2.413.021.098	19.304.168.784
14.45	9.992.292	6.425.043.924	51.400.351.392
14.50	7.900.725	5.064.364.868	40.514.918.944
14.55	12.156.108	7.646.192.092	61.169.536.736
15.00	4.572.017	2.866.654.350	22.933.234.800
Σ	98.624.601	62.466.604.876	499.732.839.008
15.05	11.400.854	7.307.947.540	58.463.580.320
15.10	4.599.570	2.971.322.408	23.770.579.264
15.15	9.818.376	6.323.033.824	50.584.270.592
15.20	12.123.202	7.807.342.085	62.458.736.680
15.25	5.372.067	3.448.867.011	27.590.936.088
15.30	5.547.830	3.506.228.395	28.049.827.160
15.35	13.089.892	8.403.710.776	67.229.686.208
15.40	9.230.937	5.963.185.281	47.705.482.248
15.45	10.104.273	6.527.360.413	52.218.883.304
15.50	6.222.363	3.888.976.933	31.111.815.464
15.55	7.413.978	4.648.564.277	37.188.514.216
16.00	9.951.274	6.179.741.361	49.437.930.888
Σ	104.874.616	66.976.280.304	535.810.242.432

Screenshot pada aplikasi Wireshark

Wireshark - Capture File Properties - 12 desember_00026_20191212102000

Details

File

Name: F:\kartini\kartini\kamis\12 desember_00026_20191212102000
 Length: 2382 MB
 Hash (SHA256): 10a1690fc22f8a9b13a0f059e25bd64eb50a751e3776841c2fab301af70fa0e5
 Hash (RIPEMD 160): a7286c36e91c27ae271567a64dbc82ab488d32cb
 Hash (SHA1): 63f99c80e628e051fabde0d03eb7978574450e40
 Format: Wireshark/... - pcapng
 Encapsulation: Ethernet

Time

First packet: 2019-12-12 10:19:59
 Last packet: 2019-12-12 10:25:00
 Elapsed: 00:05:00

Capture

Hardware: Intel(R) Core(TM) i3-3220 CPU @ 3.30GHz (with SSE4.2)
 OS: 64-bit Windows 7 Service Pack 1, build 7601
 Application: Dumpcap (Wireshark) 3.0.6 (v3.0.6-0-g908c8e357d0f)

Interfaces

Interface	Dropped packets	Capture filter	Link type	Packet size limit
Local Area Connection	Unknown	none	Ethernet	262144 bytes

Statistics

Measurement	Captured	Displayed	Marked
Packets	3482354	3482354 (100.0%)	—
Time span, s	300.153	300.153	—
Average pps	11601.9	11601.9	—
Average packet size, B	650	650	—
Bytes	2265127886	2265127886 (100.0%)	0
Average bytes/s	7546 k	7546 k	—
Average bits/s	60 M	60 M	—

Details

File

Name: F:\kartini\kartini\jumat\13 desember_00009_20191213084000
 Length: 8184 MB
 Hash (SHA256): 809ffdc9a9f3cb2f5440c8c926b668f03779bb9a399d7b09f42b8f63bc7dd636
 Hash (RIPEMD160): 81037b9c726985e9ea1f0d5a80bdad6cc77dd12b
 Hash (SHA1): bc18d7191b43c4e2040ac9a28d09cf552d74bd4b
 Format: Wireshark/... - pcapng
 Encapsulation: Ethernet

Time

First packet: 2019-12-13 08:40:00
 Last packet: 2019-12-13 08:45:00
 Elapsed: 00:05:00

Capture

Hardware: Intel(R) Core(TM) i3-3220 CPU @ 3.30GHz (with SSE4.2)
 OS: 64-bit Windows 7 Service Pack 1, build 7601
 Application: Dumpcap (Wireshark) 3.0.6 (v3.0.6-0-g908c8e357d0f)

Interfaces

<u>Interface</u>	<u>Dropped packets</u>	<u>Capture filter</u>	<u>Link type</u>	<u>Packet size limit</u>
Local Area Connection		none	Ethernet	262144 bytes

Statistics

<u>Measurement</u>	<u>Captured</u>	<u>Displayed</u>	<u>Marked</u>
Packets	12544761	12544761 (100.0%)	—
Time span, s	300.124	300.124	—
Average pps	41798.5	41798.5	—
Average packet size, B	619	619	—
Bytes	7759370735	7759370735 (100.0%)	0
Average bytes/s	25 M	25 M	—
Average bits/s	206 M	206 M	—



udp.dstport in {1725 3478 4379 4380 27000..27050 28999}

No.	Time	Source	Destination	Protocol	Length	Info
7740	0.556796	10.50.214.12	157.240.24.52	UDP	171	48418 → 3478 Len=53
9685	0.617417	10.50.214.12	157.240.24.52	UDP	169	48418 → 3478 Len=51
9686	0.617418	10.50.214.12	157.240.24.52	UDP	169	48418 → 3478 Len=51
10587	0.642387	172.37.9.118	52.87.201.4	STUN	138	Binding Request
10588	0.642387	172.37.9.118	52.87.201.4	STUN	138	Binding Request
10591	0.642472	172.37.9.118	52.87.201.4	STUN	138	Binding Request
10592	0.642473	172.37.9.118	52.87.201.4	STUN	138	Binding Request
11029	0.653392	172.37.9.118	52.87.201.4	STUN	138	Binding Request
11030	0.653393	172.37.9.118	52.87.201.4	STUN	138	Binding Request
11973	0.677322	10.50.214.12	157.240.24.52	UDP	175	48418 → 3478 Len=57
11974	0.677323	10.50.214.12	157.240.24.52	UDP	175	48418 → 3478 Len=57
15215	0.737120	10.50.214.12	157.240.24.52	UDP	169	48418 → 3478 Len=51
15216	0.737121	10.50.214.12	157.240.24.52	UDP	169	48418 → 3478 Len=51
16242	0.798868	10.50.214.12	157.240.24.52	UDP	170	48418 → 3478 Len=52
16243	0.798869	10.50.214.12	157.240.24.52	UDP	144	48418 → 3478 Len=26

- > Frame 366: 169 bytes on wire (1352 bits), 169 bytes captured (1352 bits) on interface 0
- > Ethernet II, Src: Cisco_f5:81:98 (00:5d:73:f5:81:98), Dst: Cisco_d1:47:59 (50:f7:22:d1:47:59)
- > Internet Protocol Version 4, Src: 10.153.0.9, Dst: 172.32.0.2
- > User Datagram Protocol, Src Port: 5248, Dst Port: 5247
- > Control And Provisioning of Wireless Access Points - Data
- > IEEE 802.11 Data, Flags:T
- > Logical-Link Control

```
0000 50 f7 22 d1 47 59 00 5d 73 f5 81 98 08 00 45 28 P...GY] s.....E(
0010 00 9b 1f 64 40 00 fa 11 aa 01 0a 99 00 09 ac 20 ...d@... ..
0020 00 02 14 80 14 7f 00 87 00 00 00 20 03 20 00 00 .....
0030 00 00 04 00 00 00 00 00 00 01 08 00 00 b4 de .....
0040 31 c0 dd c0 70 dd a8 53 e6 fa 74 4d 28 3d 77 ec 1...p.S...tM(=w
0050 50 d1 aa aa 03 00 00 00 08 00 45 c0 00 4f 6b b2 P.....E..Ok
0060 40 00 40 11 37 c9 0a 32 d6 0c 9d f0 18 34 bd 22 @.@.7..2....4."
0070 0d 96 00 3b e5 fd 80 78 15 af 00 86 b1 40 35 b3 ...;...x....@5
0080 a1 8e 17 4c 05 d5 ee bf 9c 49 80 7c 1d 33 b6 c3 ...L....I|.3..
0090 23 d7 71 c8 94 ec 0d 47 14 16 b1 33 f7 67 9d ce #.q....G...3.g..
00a0 84 af c1 ba 9d e7 e8 ea 3d ..... =
```

The screenshot displays the Wireshark 'Capture File Properties' window for a capture file named '11 desember_00008_20191211083500'. The interface is divided into several sections:

- File:** Details the file's name, length (8927 MB), and various hashes (SHA256, RIPEMD160, SHA1).
- Time:** Shows the first and last packet timestamps and the elapsed time.
- Capture:** Provides information about the hardware (Intel Core i3), OS (Windows 7), and application (Wireshark).
- Interfaces:** Lists the interface used for capture (Local Area Connection) and shows that no packets were dropped.
- Statistics:** A table summarizing the capture data, with a red box highlighting the 'Displayed' column.

Measurement	Captured	Displayed	Marked
Packets	13524491	569999 (4.2%)	1 (0.0%)
Time span, s	299.609	299.568	—
Average pps	45140.4	1902.7	—
Average packet size, B	626	628	134
Bytes	8470165974	357701284 (4.2%)	134 (0.0%)
Average bytes/s	28 M	1194 k	—
Average bits/s	226 M	9552 k	—
- Packet List:** Shows a list of captured packets with a red box highlighting the 'tcp.srcport in (80)' filter. The list includes source and destination IP addresses and ports.
- Packet Bytes:** Displays the raw hexadecimal and ASCII data of the selected packet.



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UNIVERSITAS NEGERI JAKARTA

BIRO AKADEMIK KEMAHASISWAAN DAN HUBUNGAN MASYARAKAT

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Nomor : 8020/UN39.12/KM/2019
Lamp. :-
Hal : Permohonan Izin Mengadakan Penelitian
untuk Penulisan Skripsi

21 Juni 2019

Yth. Kepala Unit Pelayanan Teknis TIK
Universitas Negeri Jakarta
Gd. D Kampus A UNJ Jl. Rawamangun Muka, Rawamangun,
Pulogadung, Jakarta Timur

Kami mohon kesediaan Saudara untuk dapat menerima Mahasiswa Universitas Negeri Jakarta :

Nama : **Tuti Auliyani**
Nomor Registrasi : 5235150935
Program Studi : Pendidikan Teknik Informatika dan Komputer
Fakultas : Teknik Universitas Negeri Jakarta
No. Telp/HP : 089653215093

Untuk dapat mengadakan penelitian guna mendapatkan data yang diperlukan dalam rangka penulisan skripsi dengan judul :

“Analisis Packet Traffic Pada Jaringan Komputer UNJ Dengan Menggunakan Perangkat Lunak Solarwinds Netflow Traffic Analyzer”

Atas perhatian dan kerjasama Saudara, kami sampaikan terima kasih.

a.n. Kepala Biro Akademik, Kemahasiswaan,
dan Hubungan Masyarakat
Kabag Akademik dan Kerjasama


Dra. Tri Suparmiyati, M.Si.
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1. Dekan Fakultas Teknik
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Laman : www.unj.ac.id

Nomor : 3 /UN.39.17/Penelitian/TU/19
Lamp : -
Hal : Surat persetujuan izin mengadakan penelitian untuk penulisan skripsi

Dengan hormat,

Sehubungan dengan surat Dengan Nomor 8020/UN39.12/KM/2019 pada tanggal 21 Juni 2019 perihal permohonan izin mengadakan Penelitian untuk penulisan skripsi.

Saya yang bertanda tangan dibawah ini :

Nama : M. Ficky Duskarnaen, M.Sc.
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Menerangkan bahwa,

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Telah kami setuju untuk mengadakan penelitian di UPT TIK UNJ dengan permasalahan dan judul:

“ANALISIS PACKET TRAFFIC PADA JARINGAN KOMPUTER DI GEDUNG R.A KARTINI UNIVERSITAS NEGERI JAKARTA ”

Demikian surat ini kami sampaikan, dan atas kerjasamanya kami mengucapkan terima kasih.

Jakarta, 24 Oktober 2019
Kepala UPT TIK UNJ

M. Ficky Duskarnaen, M.Sc.
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Nama lengkap Tuti Auliyani, lahir di Jakarta pada tanggal 19 September 1996. Merupakan anak ketiga dari tiga bersaudara dari pasangan Bapak Tisin dan Ibu Ratnasih. Penulis berkebangsaan Indonesia dan tinggal di Jalan Kapuk Kamal Rawa Melati No.66 RT 006/01. Kelurahan Tegal Alur, Kecamatan Kalideres, Jakarta Barat.

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