TABLE OF FIGURE

Figure 2.1.	Neuron Model	5
Figure 2.2.	ANN Structure	7
Figure 2.3.	Architecture of Single Layer Network	9
Figure 2.4.	Architecture of Multi Layer Network	9
Figure 2.5.	Architecture of Competitive Layer Network	10
Figure 2.6.	Binary Threshold Function	11
Figure 2.7.	Bipolar Threshold Function	11
Figure 2.8.	Piecewise Linear Function	12
Figure 2.9.	Binary Sigmoid Fuction	13
Figure 2.10.	Bipolar Sigmoid Fuction	14
Figure 2.11.	Topology of RBFNN	16
Figure 2.12.	Topology of LAN	21
Figure 2.13.	Traffic Flow	23
Figure 2.14.	Variations of Traffic Month by Month	24
Figure 2.15.	Variations of traffic week by week	24
Figure 2.16.	Variations of traffic hour by hour	24
Figure 2.17.	Grafic Shown on MRTG	26
Figure 3.1.	Flowchart of Research	27
Figure 3.2.	Network Topology of Indonesia University - Telkomnet Cloud .	28
Figure. 3.3.	Flowchart System Design Radial Basis Function	29
Figure. 3.4.	Neuron Model as Training Process in Matlab	33
Figure. 3.5.	Graphic Of Radial Basis Function as Training Process in Matlab	33
Figure. 3.6.	Network Architecture as Training Process in Matlab	34

Figure 3.7.	Prediction Process in Matlab for Inboud Traffic of Monday35
Figure 3.8.	Prediction Process in Matlab for Inboud Traffic of Monday35
Figure 3.7.	Prediction Process in Matlab for January 201537
Figure 4.1.	RBFNN Network System as Training Result40
Figure 4.2.	Graph of Inbound Trafic Prediction Result for Monday, 8 December 2014
Figure 4.3.	Graph of Inbound Trafic Prediction Result for Tuesday, 9 December 2014
Figure 4.4.	Graph of Inbound Trafic Prediction Result for Wedding, 10 December 2014
Figure 4.5.	Graph of Inbound Trafic Prediction Result for Thursday, 11 December 2014
Figure 4.6.	Graph of Inbound Trafic Prediction Result for Friday, 12 December 2014
Figure 4.7.	Graph of Inbound Trafic Prediction Result for Saturday, 9 December 2014
Figure 4.8.	Graph of Inbound Trafic Prediction Result for Sunday, 14 December 2014
Figure 4.9.	Graph of Outbound Trafic Prediction Result for Monday, 8 December 2014
Figure 4.10.	Graph of Outbound Trafic Prediction Result for Tuesday, 9 December 2014
Figure 4.11.	Graph of Outbound Trafic Prediction Result for Wednesday, 10 December 2014

Figure 4.12.	Graph of Outbound Trafic Prediction Result for Thursday, 11
	December 201453
Figure 4.13.	Graph of Outbound Trafic Prediction Result for Friday, 12
	December 2014
Figure 4.14.	Graph of Outbound Trafic Prediction Result for Saturday, 13
	December 201455
Figure 4.15.	Graph of Outbound Trafic Prediction Result for Sunday, 14
	December 2014
Figure 4.16.	Graph of Reggression Analysis for Inbound Trafic Prediction
	Result58
Figure 4.17.	Graph of Reggression Analysis for Outbound Trafic Prediction
	Result59
Figure 4.18.	Graph of Internet Traffic Prediction Result for 2nd week of January
	201560
Figure 4.19.	Graph of Internet Traffic Prediction Result for 2nd week of
	February 2015
Figure 4.20.	Graph of Internet Traffic Prediction Result for 2nd week of March
	201562