

## **ACKNOWLEDGEMENTS**

All praise and gratitude to Allah SWT that has given all of his favor and grace, and with his guidance also the author can resolve this thesis. This thesis “Analysis of Performance Improvement on TCP/IP Network with Active Queue Management Controlled Delay” is written as a part of requirement to complete the master degree program Telecommunication of Engineering in Telkom University.

There are several people that i would like to thank upon the completion of this research, first of all is for my supervisors, Dr. Basuki Rahmat, IR., MT. and Dr. Ida Wahidah, ST., MT. that give their straightforward guidance during the research.

I also want to thanks my father, mother, sister and brother which provide unparalleled support and encouragement for me in order to face my fears during the research, and financial support which without both of them, this research will not be completed.

I hope my research will give interesting insight on how spam being processed in the future and this research will push forward knowledge as it is intended to be.

To the infinity, and beyond

**Ichwan Nul Ichsan**