ACKNOWLEDGEMENT

Alhamdulillahi Robbil 'Aalamiin, expresses my highest gratitude to Allah SWT for blessing, love, opportunity, health, and mercy to complete this thesis. This thesis entitled *"Improvement of Policy Charging Control Flow based on Internet Subscribers Behavior"* is submitted as the final requirement in accomplishing Master Degree at Electrical Engineering, Universitas Mercu Buana.

In arranging this thesis, a lot of peoples have provided motivation, advice, and support for the researcher. In this valuable chance, I intended to express my gratitude and appreciation to all of them. First, my deepest appreciation goes to my beloved parents, my mother Hj. Ayuhanis for the endless love, pray, and support, and my late father H. Muslim Bukhari, my wife Anita and my daughters Aci, Deby and Fia.

UNIVERSITAS

This thesis would not have been possible without the help, support and patience of my advisor Dr. Setiyo Budiyanto, ST, MT for his supervision, advice, and guidance. My sincere appreciation also goes to Prof. Dr. -Ing. Mudrik Alaydrus as Post Graduate Director and Prof. Dr. Andi Adriansyah, M.Eng as Head of Master Program.

My greatest appreciation also goes to Dr. Marza Ihsan, MT as his examiner advice, supervision, and crucial contribution in the improvement of the result of this thesis.

I gratefully thank to Universitas Mercu Buana for allowing me to conduct the research there.

Finally, I would like to thank everybody who was important to the successful realization of this thesis. This thesis is far from perfect, but it is

expected that it will be useful not only for the researcher, but also for the readers. For this reason, constructive thoughtful suggestion and critics are welcomed.

Jakarta, July 2020

Muhammad Gathmir

