

## GRATITUDE LETTER

The author would like to thank profusely to all those who have helped work on this Final Project, both directly and indirectly.

1. Allah SWT because of His grace and blessing, the author is given the ease and fortitude in completing this Thesis.
2. Rasulullah SAW, as a role model who encourages writers to live better life.
3. My father, Prinsen Purwanto Nasibu S.E., my mother, Neny Widiarty S.E., and my young brother, Mochammad Zaky Defrian, for their support and encouragements.
4. My friends from the TA group, namely Liyana and Lulud, who had been working together, accompanied me in my panic, and helped me in all conditions.
5. Suryo Adhi Wibowo, S.T., M.T., Ph.D., As the first supervisor and Unang Sunarya, S.T., M.T., as the second supervisor who always offers guidance and help for me to complete this thesis very well.
6. To all Telkom University lecturers in the faculty who have provided me with important knowledge during my years of education.
7. To the entire assistant of Daskom Laboratory, especially Fakhri, Ben, Sofi, Kemal, and Iga that has inspired me a lot and made this journey more enjoyable.
8. To my colleagues in the TT-41-INT class, especially Holi, Nofal, Wawan, Salsa, Deriel, Moza, and Nandi who have provided me with great emotional support and friendship throughout the educational process.
9. The author's closest friends who always support the author, namely Fadli, Reza, Devan, Nando, Rifki, and Fadel.
10. To my friends from Olympus Discord who always support the author, namely Rudi, Daffa, Dini, Pido, Deka, Namira, and Puspa.

11. All parties that the author cannot mention one by one. Thank you for all the kindness and assistance given to the author. May all kindness be rewarded by Allah SWT.