

## GRATITUDE NOTE

In the present study, the author acknowledges the indispensable role played by several parties in facilitating the successful completion of this final assignment. The author recognizes that the direct and indirect support, assistance, direction, and prayers received from various individuals were crucial in the preparation and execution of this final assignment. In this instance, the author extends genuine and heartfelt gratitude to:

1. Allah SWT, for all of His guidance, bounties, and inexhaustible outpouring of His mercy, the author truly appreciates the blessings He has bestowed.
2. Rasulullah Muhammad SAW, who serves as a model for navigating the universe.
3. The esteemed parents, Mr. Supandi, S.H., and Mrs. Marfuah, exhibit unwavering dedication in nurturing, instructing, and offering daily prayers for their two offspring. They consistently bestow affection, motivation, and educational guidance upon their children.
4. The author's elder sibling, Gifari Ahmad Pangestu, LL.B., consistently fulfills the role of the author's elder sibling and serves as a reminder for the author to fulfill their last task.
5. The entire family of (the late) Mr. H. Atim, who always prayed for and supported the author.
6. Mr. Dhoni Putra Setiawan, S.T. M.T. Ph.D., has played a dual role as both the supervisor and the supervisor of TT-42-INT. Throughout the completion of this final work, he has imparted knowledge, offered feedback, given constructive criticism, offered motivation, and demonstrated patience in guiding the author.
7. Mrs. Dr. Levy Olivia Nur, S.T. M.T., has served as the co-supervisor, offering extensive expertise, valuable input, constructive criticism, motivation, and patient guidance along the author's journey in completing this final work.
8. Mrs. R. Yunendah Nur Fuadah, S.T. M.T., who serves as the supervising instructor for the TT-42-INT course, for imparting a wealth of knowledge,

offering valuable insights, constructive criticism, motivation, guidance, and demonstrating remarkable patience towards the author.

9. Adiesta Indriyani, S.T., who has consistently offered support and companionship to the author throughout both joyous and challenging moments, has provided invaluable encouragement, prayers, and motivation, which have been crucial in the successful completion of this thesis.
10. Alfarabi Ivandi Noor has played a significant role in providing support and companionship to the writer during the arduous journey of completing this thesis, both during moments of triumph and through challenging periods.
11. TT-42-INT friends, with whom the author studied and processed for four years.
12. The Ultramilk Corporate family, known for its inclusive environment fostering collaboration and growth among writers, has emerged as a prominent platform for engagement and development in conjunction with Telkom University.
13. The Continental family, To Aegidius Dharmayana, Hafiz Reyhan, and the entire extended family, including those who cannot be individually named, who express their desire to support the writer in their academic pursuits, providing a nurturing environment for personal development and motivation to successfully complete this thesis.
14. The big family of the Telecommunications Engineering Student Association (HMTT), being one of the big HMTT families, can grow together while at Telkom University.
15. The family of HASTJA (Telkom Jakarta Vocational High School Alumni Association) became co-workers together while studying in Bandung.
16. The extended family of the 2018 Telkom Jakarta Vocational School Class Representative Council (MPK) serves as a source of entertainment and a platform for storytelling upon the author's return home.
17. Muhammad Rafly Rizky F., S.T., and Mohd Hilmuna, S.T., for their invaluable assistance in the successful completion of this final assignment.
18. The author's colleagues, whom he cannot name individually, have provided positive encouragement and prayers for the author.