

ACKNOWLEDGEMENTS

With heartfelt appreciation, the author would like to express profound thanks to all those who contributed to the successful completion of this thesis:

1. Allah SWT, for the endless mercy, strength, and guidance that have supported the author throughout this journey, especially during the most challenging moments.
2. My dearest father, dr. Yourdan Aswin Purimahua, M.M.Kes., and my beloved mother, dr. Prima Roosandris, M.M.Kes., Sp.PA, whose unconditional love, unceasing prayers, and unwavering belief in the author's potential have been the foundation of every achievement. Their encouragement and wisdom have been invaluable throughout this journey.
3. My younger sister, Amanda Augre Maharani Purimahua, for being a constant source of support, joy, and strength. Her presence has always brought comfort and motivation in the midst of pressure and fatigue.
4. Mr. Suryo Adhi Wibowo, Ph.D., the author's thesis supervisor, for his generous mentorship, insightful suggestions, and continuous guidance that have helped shape the quality and direction of this research.
5. Dr. Yudha Purwanto, M.T., for his technical support, critical input, and valuable feedback in the development of the research methodology.
6. Dr. Inung Wijayanto, S.T., M.T., for the results of the revision as a thesis examiner, because the revision was significant and helped the results of my thesis to be much better.
7. Dr. Muhammad Imam Nashiruddin, S.T., M.T. for the results of the revision as a thesis examiner, because the revision was significant and helped the results of my thesis to be much better.
8. All lecturers and academic staff of Telkom University, whose dedication to teaching and academic excellence created an environment that allowed the author to grow intellectually and personally.

May all the support, time, and knowledge shared be rewarded by the Almighty. This thesis is dedicated to everyone who stood by the author—your contributions have made this achievement possible.