ACKNOWLEDGEMENTS

This thesis is compiled with the effort, help, and support from all supporting elements. The author would like to express the deepest gratitude and thanks to:

- 1. Allah SWT, for all the love, guidance and forgiveness in every mistake that the author has ever done and Rasulullah SAW, as role model who inspire writer in living life and trying to be better.
- 2. To my beloved parents, for their unconditional love, endless support, and sincere prayers. Their guidance has been my strength throughout this journey, and I am forever grateful for their encouragement in every step I take.
- 3. To my thesis advisors, Dr. Gelar Budiman, S.T., M.T. and Dr. Inung Wijayanto, S.T.,M.T., for their invaluable guidance, patience, and insightful feedback throughout this research. Their support and expertise have played a crucial role in shaping this work, and I deeply appreciate their dedication in helping me achieve this milestone.