

GRATITUDE NOTE

The author would like to thank profusely to all parties who have helped work on this final project, either directly or indirectly

1. Tuhan Yesus Kristus, because He give me health and strength to finish this thesis.
2. My Mother, my Father, and my family that support me all the time and gave encouragement while doing this thesis.
3. Mr. Bambang Setia Nugroho, S.T., M.T., as the first supervisor and Mr. Edward, S.T., M.T., as the second supervisor who always provides input and support for me to do this final project very well.
4. Umar Muazzad, S.T. who helped me and gave knowledge to me so that i can complete my thesis well.
5. Mrs. Raditiana Patmasari, S.T., M.T., as my guardian lecturer.
6. Jeremy Gareda, Nandi Riyandani, Jeremy Matthew, Firman Manggasa, Petrik Sidauruk.