

## FOREWORD

*Alhamdulillah*, praise, and gratitude to God Almighty. This Final Project is a trip in the last year of my undergraduate studies at the Information Systems bachelor's degree Study Program, Faculty of Industrial Engineering, Telkom University.

My thanks go out to:

1. My Final Project Supervisor, Nia Ambarsari, S.Si., M.T. and Dr. Hanif Fakhurroja, S.Si., M.T. for their direction and guidance during my work on this research.
2. Rivaldi Abdul Jabbar, Muhammad Zuhdi Zain, Yaseer Ibdattullah, and Daniel Alexander Polii as final project partners who have together faced difficulties and pleasure in doing this final project.
3. Both my parents, Mr. Afrizal, S.H. and Mrs. Yuni Sri Widiarti S.E., M.E., thank you very much for their moral support and prayers during the implementation of this Final Project and during the education period in general.

I would also like to thank all parties who indirectly contributed to the completion of this Final Project.