

PREFACE

Alhamdulillah Praise be to Allah Subhanahu wa Ta'ala for all his blessings and gifts so that researchers can complete the Final Project that has been compiled with the title “*THE MODIFICATION OF A CRUSHER MACHINE USING RATIONAL PRODUCT DESIGN APPORACH IN PT.XYZ TO IMPROVE THE QUALITY OF RUBBER GRANULES*”. This Thesis is structured to fulfill one of the requirements for graduation from Industrial Engineering, Faculty of Industrial Engineering, Telkom University. Complementing the gratitude of researchers, thank you as much as possible researchers say to:

1. Both authors parents who have provided support and prayers so that the writer can complete this Final Project.
2. Mrs. Mira Rahayu, S.T., M.T. as First Advisor who always guides researchers throughout the final project work process.
3. Mr. Yusuf Nugroho Doyo Yekti, S.T., M.T. as Second Advisor who always guides and gives constructive criticism.
4. PT.XYZ as a company that has allowed to do research
5. Mr. R. Hadiwidjaja as Head of R&D Team from PT.XYZ who guides and give advice to designing this tool
6. Mr. P. Waras Handoko as R&D Team who guides and give advice to designing this tool especially for machining
7. Mr. Djoko Ridwan as R&D Team who guides and give advice to designing this tool

Researchers hope that this Final Project can be useful for all parties. Constructive criticism and suggestions are highly expected by researchers because researchers realize that this Final Project is still far from perfection. Finally, may Allah Subhanahu wa Ta'ala bestow His mercy and grace upon us all.

Bandung, June 2020

Researcher