## **PREFACE**

Gratitude and praise because of God's blessings and grace, the author completed this Final Project entitled, "IMPLEMENTATION OF REVERSE ENGINEERING IN PRE-TREATMENT AREA FOR DESIGNING JUG CLEANING WORKSPACE" to complete the fulfilment of undergraduate studies at the Industrial Engineering Study Program, Faculty of Industrial Engineering, Telkom University. The author recognizes that completing this final report would be near impossible without the assistance and guidance of various parties. Therefore, the author would like to thank:

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