PREFACE

I would like to express my gratitude to Allah SWT, because of His grace I can finish this thesis entitled "Improvement Branch Line Coupler Isolation in S Band Frequency". This thesis is submitted as a partial fulfillment of requirements for the Degree of Master of Electro-Telecommunication in School of Electrical Engineering, Telkom University, Bandung.

I realize that without the help and the guidance of the various parties, it is difficult for me to complete master's program. Thus, I would like to thank:

- 1. DR. Bambang Setia Nugroho, as my 1st advisor who have provided his time and energy to steer me in the preparation of this thesis.
- 2. Dr. Yuyu Wahyu, MT as my 2nd advisor who always giving me chances, time, and guidance to complete this thesis.
- 3. Both my beloved my wife Tuti Herawati who always giving me inspiration, support, and motivation.
- 4. All my friends in Graduate School of Telkom University.

Moreover I wish nothing but the best hope for them, and I hope this thesis would bring benefits to the development of science.

Bandung, 14th of September 2016

Yudi Barnadi