PREFACE

Praise the author turning to the presence of God for His abundance of grace and guidance I can finish his thesis titled "**Comparative Analysis of the FTTH Design Optimization using Genetic Algorithm and Ant Colony Algorithm**". The purpose of writing this thesis is to meet one of the requirements of graduation education S-2 Electrical Engineering Program, Telkom University - Bandung.

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The author realizes that the writing of a thesis is still far from perfection, with all humility, the authors hope that all the existing shortcomings in this thesis can be used as learning materials for better research in the future.

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