

## **PREFACE**

Alhamdulillahirabbil ‘alamin, praise and deep gratitude for Allah SWT for the abundance of grace, and guidance of Him given to the writer that made this thesis can be completed properly. Greetings and salawat may always be devoted to the Prophet Muhammad SAW.

The thesis entitled "Superposed IR-HARQ based on QC-LDPC Codes for 5G Low Latency Communications" is structured to meet the requirements for accomplishing Master Degree in The Graduate Program of Electrical-Telecommunication Engineering, The School of Electrical Engineering, Telkom University.

For me, this thesis is a long history of processes, not only for contributing to science but also the process of self-development. By writing this thesis, I appreciate the heroes of science, such that people can now live in peace and comfortable ways.

The author realizes that this thesis has not been perfect, both in terms of material or presentation. The suggestions and constructive criticisms are expected in the completion of this thesis.

Recently authors hope that this thesis can provide things that are useful and add insight to the reader, and especially for the writer as well.

Bandung, 27 January 2020

Yoga Julian