

DEDICATION

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

All praise belongs to Allah SWT. who has given mercy and guidance and His gift, so that with His permission the author is given the opportunity to be able to complete the final project with the title "Scalable Modular Antenna Array For Massive MIMO Antenna" smoothly without any obstacles. Sholawat and greetings may always be bestowed upon the Prophet Muhammad SAW. who is a role model for mankind.

As for the preparation of this final project as one of the requirements to obtain a Master of Engineering (M.T) degree in Graduate Program of Electrical Engineering, The School of Electrical Engineering, Telkom University.

For the sake of perfecting the writing of this thesis, with all humility the author accepts constructive criticism, suggestions and responses as a guide in further writing to make it better. Hopefully this final assignment can be used as a form of application of knowledge that has been obtained during the learning process and can be used as a reference by future researchers.

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Author