

PREFACE



Alhamdulillahirabbil 'alamin. Praise got to Allah Almighty, for the presence of plenty of mercy and His grace, so that the writer completes this Thesis as requirements to finish the Master's Study Program of Electrical Engineering, Faculty of Electrical Engineering, Telkom University with the title “**Beamforming Using Substrate Integrated Waveguide (SIW) Technique On 24 GHz FMCW Radar For Breath Detection**”.

The writer gets a lot of help and advice from several people during the process of completing this Thesis. Therefore, the writer wants to give appreciation to people who sincerely support, guide, and help the writer.

In writing this Thesis, the writer realizes that there are still many shortcomings in writing due to the limitations of the writer. Therefore, the evaluation, suggestions from readers, and further improvements are needed for the continuation of this research. With all due respect, the writer hopes this Thesis will be a benefit for the communities, especially those working in the microwave and telecommunications field.

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