## **PREFACE**

Alhamdulillahi rabbil 'alamin, all praise be to Allah SWT, the Most Gracious, the Most Merciful. By His mercy and guidance, I have been able to complete this thesis entitled "Development of Human Activity Recognition (HAR) for Health Rehabilitation Using MMWAVE Radar with 3D Point Cloud Data." This thesis is submitted as a partial requirement for the completion of the Master's Program in Electrical-Telecommunication Engineering, School of Electrical Engineering, Telkom University.

Part of the research presented in this thesis has also been submitted to **JEEEMI** and will undergo a second publication, serving as an academic platform to share findings and receive valuable feedback for further development.

I am fully aware that the completion of this thesis would not have been possible without the help, support, and prayers from many parties. Therefore, I would like to express my deepest gratitude to:

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- My supervisors and lecturers, for their invaluable guidance, constructive feedback, and encouragement during the preparation of this thesis.
- My friends and fellow researchers, for the moral support, insightful discussions, and continuous motivation.

I warmly welcome constructive suggestions and criticisms for the improvement of this work. I hope that this thesis can be further developed and contribute meaningfully, particularly in advancing education, research, and innovation in the field of electrical engineering.

Bandung, 4th June, 2025

Rma

Raden Rofiq Yudha Setyawan