

## PREFACE

*Assalamu'alaikum Warahmatulloh Wabarakaatuh*

This book is intended for partial fulfillment of the requirements for the degree of Bachelor of Engineering in the Program of Telecommunication Engineering at Telkom University, entitled “Design and Testing of Speech Recognition Implementation in House Appliances Controlling System Using K-Nearest Neighbor on BeagleBoard”.

The main goal of the book is to design and implement the designed speech recognition system and analyze the result to see the robustness of the system.

The writer realizes that this Final Project is truthfully imperfect. Thus, every critic and suggestion is humbly accepted for the next improvement in the future. Last, the writer wants to thank all of the readers and hopefully this Final Project enhanced the knowledge of readers, especially for audio signal processing using K-NN classification on BeagleBoard.

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