

PREFACE

Bismillahirrahmanirrahim. This was a humbling, character-building journey to finish what the writer started. As an undergraduate student in telecommunications engineering at Telkom University, the writer proposes a limited representation of all the knowledge that the writer acquired in the last seven years.

The writer would not have accomplished this work without valuable support from the people who supported and assisted during this journey. The writer wants to thank everyone who helped prepare this undergraduate thesis.

The writer knows his limited understanding. Any constructive suggestions and criticisms from readers are wholeheartedly expected. The writer hopes this could further the advancement of digital signal processing, specifically in the healthcare industry.

Bandung, August 2022

A handwritten signature in black ink, appearing to read 'Reynandra Ariyoputraka', written over a light blue rectangular background.

Reynandra Ariyoputraka