

PREFACE

I present to you the thesis “Spectrum Sensing in Cognitive Radio using Combined Sequential Energy Detector and Cyclostationary Feature Detector”, the basis of which is to address the problem of spectrum sensing in cognitive radio. It has been written to fulfill the graduation requirements at Graduate School of Electrical Engineering, Telkom University. I have been involved and engaged in researching and writing this thesis from February to November, 2015.

The topic for the thesis was chosen after going through available literature and discussions with my supervisors. The writing and research has been difficult but has taught me a great deal about the field while also instilling the research habit on me.

I would like to thank my supervisors, Dr. Heroe Wijanto and Dr. Fiky Y. Suratman. Without their continuous support and excellent guidance I would not have been able to complete my thesis. I would also like to thank other lecturers and administrative staffs who have helped me in one way or another, directly or indirectly.

My friends in Indonesia and Nepal also deserve my gratitude. My parents, family and relatives deserve very special note of thanks.

I hope you will thoroughly enjoy reading this thesis.

Bandung, November, 2015

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