

PREFACE

Assalaamu'alaykum Wr Wb

Praise is to Allah the Almighty for the blessing, the power, and all good fortune that have been given to me so that this thesis can be completed. This thesis "MIMO MC-CDMA with Differential Unitary Space Time Frequency Modulation for High Mobility Scenario" is written as a part of requirements to complete the Master degree program of Telecommunication Engineering in Telkom University.

The aim of this thesis is to continue the research in wireless communication field in order to achieve good communication system in high mobility condition. In this thesis several transceiver models called non-coherent transmission are analysed in order to achieve the best communication system for high mobility scenario. As writer of this thesis, I hope my research can be continued in the future in order to achieve better transmission performance in high mobility.

Special thanks for all people that have supported so this thesis can be completed on time, my family, my supervisors, my lecturers and all my friends that could not be called one by one. Thank you for all suggestion, all contribution, and all guidance that have been given to me. May Allah also give a big blessing to all of you.

Wassalaamu'alaykum Wr Wb

Bandung, 31st of August 2016

Writer