

PREFACE

Praise to the almighty Allah SWT that gave me enormous blessing to accomplish this thesis entitled "LTE Network Base Station Optimization with Modified Grey Wolf Optimizer". This thesis was made for the requirement to obtain Master Degree of Electro-Telecommunication Engineering in School of Electrical Engineering, Telkom University, Bandung, Indonesia.

My deepest gratitude for all who have provided help and simultaneous support for me to finish this thesis especially for:

1. Dr. Ida Wahidah, ST. MT. as thesis supervisor I, who has provided guidance, advice, suggestion, patient, and encouragement, which are very helpful in finishing this thesis.
2. Istikmal, ST, MT. as thesis supervisor II, who has provided all the guidance, advice, support, encouragement and patient during the preparation of this thesis.
3. All Lecturer and Staff of Telkom Engineering School, in Telkom University, who have transferred and shared so much knowledge and help to me during study at the Telkom University.
4. The writer's beloved family: dearest Mom and Dad, supportive husband and children. Thank you so much for your love, prayer, support, affection, advices, guidance, patience, and help along the way.
5. To all of students fellow of Electro-Telecommunication Engineering Graduate Program in School of Electrical Engineering, Telkom University, who has always given me the spirit to the completion of this thesis.

Bandung, August, 2017

Mira Komala Dewi