

TABLE OF CONTENTS

SELF DECLARATION AGAINST PLAGIARISM.....	i
APPROVAL PAGE	ii
ABSTRACT.....	iii
ACKNOWLEDGMENTS.....	iv
PREFACE	v
TABLE OF CONTENTS.....	vi
LIST OF FIGURE.....	viii
LIST OF TABLE	ix
1.1. Background.....	1
1.2. Problem Identification	2
1.3. Objective.....	3
1.4. Scope of Work	3
1.5. Hypothesis	3
1.6. Research Methodology	4
1.7. Methodology.....	4
CHAPTER II.....	6
2.1. Satellite Communication System	6
2.2. Satellite Service	6
2.3. Satellite Orbit.....	7
2.4. Two Line Element.....	7
2.5. Frequency Spectrum.....	8
2.6. GSO	11
2.7. Non-GSO.....	12
2.8. Technical Aspects.....	13

2.9.	Interference	24
2.10	. Capacity Analysis	30
2.11.	Cumulative Distribution Function (CDF)	31
2.12.	Equivalent Power Flux Density (EPFD).....	31
2.13.	Economy Value of GSO and non-GSO Satellite	34
2.14.	Regulatory of non-GSO and GSO Satellite	38
CHAPTER III.....		40
3.1.	Research Framework	40
3.2.	Related Information Data	41
3.3.	Technical Analysis of Telkom 3S	47
3.4.	Technical Analysis of Starlink	47
3.5.	Economic Analysis	48
3.6.	Regulatory Analysis	48
CHAPTER IV		49
4.1.	Technical Analysis Result	49
4.2.	Economic Analysis Result.....	61
4.3.	Regulatory Analysis Result	63
CHAPTER V.....		65
5.1.	Conclusion	65
5.2.	Recommendation	66
5.3.	Future Works	66
REFERENCES.....		68