

TABLE OF CONTENTS

ABSTRAKSI	iii
ABSTRACT	iv
DEDICATION	v
ACKNOWLEDGMENT	vi
TABLE OF CONTENTS	vii
LIST OF TABLES	ix
LIST OF FIGURE.....	x
CHAPTER	
1. INTRODUCTION	1
1.1. Background	1
1.2. Formulation of the problem.....	2
1.3. Research purposes.....	2
1.4. Hypothesis.....	2
1.5. Methodology	2
1.6. Research Methods	3
CHAPTER	
2. LITERATURE REVIEW.....	5
2.1. Previous Research	5
2.2. RIP	7
2.3. Split Horizon Strategy.....	9
2.4. RIPng	10
2.5. Metric.....	10
2.6. IPv6.....	11

2.7. IEEE 802.11ax	13
2.8. Enterprise Private Network (EPN)	15
2.9. Network Simulator 3 (NS-3)	21
CHAPTER	
3. RESEARCH DESIGN	23
3.1. Routing Algorithms.....	23
3.2. Simulation Scenario	24
3.3. Validation Scenario.....	29
3.4. Performance Parameters.....	30
CHAPTER	
4. DATA AND ANALYSIS	33
4.1. Test And Analyze Data	33
4.2. Performance INDEX (TIPHON).....	42
CHAPTER	
5. CONCLUSIONS AND RECOMMENDATIONS	44
5.1. Conclusion	44
5.2. Recommendation.....	44
REFERENCES	45
APPENDICES	49
DATA RELATIVE TO CHAPTER 1	50
DATA RELATIVE TO CHAPTER 3	51