

LIST OF CONTENTS

THESIS.....	i
ORIGINALITY STATEMENT PAGE	ii
APPROVAL PAGE.....	iii
ABSTRACT.....	iv
FOREWORD	v
LIST OF CONTENTS	vii
LIST OF FIGURES.....	ix
LIST OF TABLE	x
CHAPTER I INTRODUCTION	11
1.1. Background	11
1.2. Formulation of the problem.....	13
1.3. Research Objectives	14
1.4. Scope of problem.....	14
1.5. Hypothesis	14
1.6. Research Method.....	15
CHAPTER II LITERATURE REVIEW	16
2.1. 5G TECHNOLOGY	16
2.2. 5G Technology Performance	17
2.3. Technology Adoption Theory	19
2.3.1 Everett M. Rogers' theory	19
2.3.2 Levels of 5G Adoption: High and Low	20
2.4. Factors Influencing the Adoption of 5G Technology	21
2.4.1 Infrastructure Availability	21
2.4.2 Technology Awareness and Knowledge.....	22

2.4.3 Network Service Quality	23
2.4.4 Service and Device Cost.....	24
2.4.5 Perception of Security and Privacy.....	24
2.4.6 Potential and Benefits Offered by 5G.....	25
2.4.7 User Experience.....	26
2.4.8 Social influence	26
2.5. Test Assumptions Analysis.....	26
2.5.1 Multicollinearity Test.....	27
2.5.2 Test of Parallel Lines	27
2.6. Ordinal Logistic Regression Analysis.....	28
2.7. Goodness of Fit Test.....	29
2.8. Model Fitting Information	30
2.9. Model Determination Coefficient	30
2.10. 5G Performance Analysis	31
CHAPTER III RESEARCH METHODOLOGY.....	33
3.1. Research Design	33
3.2. Conceptual Framework.	34
3.2.1 Approach and Framework	35
3.2.2 Hypotheses Testing	35
3.3. Population and Sample	36
3.3.2 Sampling Technique and Sample Size.....	36
3.4. Instrumentation and Data Collection	37
3.4.2 Variables and Operational Definitions.....	37
3.5. Data Analysis Techniques	37
3.5.1 Respondent Description.....	37

3.5.2 Test assumptions	38
3.5.3 Ordinal Logistic Regression Analysis	38
3.5.4 Performance Analysis.....	39
CHAPTER IV RESULT AND ANALYSIS	40
4.1. Respondent Description.....	40
4.2. Ordinal Logistic Regression Assumption Test	41
4.3. Ordinal Logistic Regression Analysis Results	43
4.4. Goodness of Fit Test.....	44
4.5. Model Fitting Information Test	44
4.6. Model Determination Coefficient.....	45
4.7. Predicted Response Category	45
4.8. 5G Performance Analysis.....	46
4.9. Recommendation	48
CHAPTER V CONCLUSION.....	50
5.1. Conclusion.....	50
5.2. Suggestion	50
BIBLIOGRAPHY	52
APPENDIX.....	57