

TABLE OF CONTENTS

TITLE.....	i
APPROVAL OF THE ADVISOR TEAM.....	ii
COLLABORATION STATEMENT.....	iii
AUTENTICITY STATEMENT.....	iv
ACKNOWLEDGMENTS.....	v
ABSTRACT.....	vi
INTISARI.....	vii
TABLE OF CONTENTS.....	viii
LIST OF FIGURES.....	x
LIST OF TABLES.....	xi
CHAPTER I: INTRODUCTION.....	1
1.1 Research Background.....	1
1.2 Problem Statement.....	8
1.3 Research Objectives.....	9
1.4 Research Questions.....	10
1.5 Research Hypothesis.....	10
1.6 Importance of Study.....	10
1.7 Research Originality.....	11
CHAPTER II: LITERATURE REVIEW.....	12
2.1 Definition of Economic Loss and Damage.....	12
2.2 Household's Responses Due to Flood.....	14
2.3 Economic Loss and Damage Assesment.....	14
2.4 Theoretical Framework.....	17
CHAPTER III: RESEARCH METHODS.....	20
3.1 Research Approach.....	20
3.2 Research Preparation.....	20
3.3 Research Implementation.....	21
3.4 Sampling Method.....	21
3.5 Data Analysis Method.....	22
3.5.1 Analysis of Differences of Household's Economic Loss and Damage Between Farm and Non-Farm Household Due to 2014 Flood Event ...	22
3.5.2 Analysis of Differences of Household's Responses Between Farm and Non-Farm Household Due to 2014 Flood Event.....	23
3.5.3 Analysis of Relationship Between Household's Responses, Including Inundation Characteristics and Economic Loss and Damage.....	23
3.6 Research Framework.....	23
3.7 Research Parameter and Variables.....	24
CHAPTER IV: STUDY AREA.....	27
4.1 Physical Characteristic of Study Area.....	27

4.2 Household's Characteristic in Study Area	29
4.2.1 Education	30
4.2.2 Income Diversity	31
4.2.3 Dwelling Characteristics.....	34
4.2.4 Inundation Characteristics	3
6	6
CHAPTER V: RESULTS AND ANALYSIS	38
5.1 Differences of Household's Economic Loss and Damage Between Farm and Non-Farm Household Due to 2014 Flood Event	38
5.1.1 Asset Damage	38
5.1.1.1 Structural Damage	38
5.1.1.1.1 Dwelling Damage	38
5.1.1.1.2 Farm Field Damage.....	43
5.1.1.2 Asset Content Damage	46
5.1.2 Opportunity Loss.....	49
5.1.3 Total Economic Loss and damage	51
5.2 Differences of Household's Responses Between Farm and Non-Farm Households Due to 2014 Flood Event	53
5.2.1 Responses to Asset Damage	54
5.2.1.1 Responses to Dwelling Damage	54
5.2.1.2 Responses to Asset Content Damage	59
5.2.2 Responses to Opportunity Loss.....	62
5.3 Relationship Between Household's Responses and Economic Loss and Damage Due to 2014 Flood Event.....	67
5.3.1 Household's Responses to Dwelling Damage and Average of Dwelling Cost Damage.....	68
5.3.2 Household's Responses to Asset Content Cost Damage and Average of Dwelling Cost Damage.....	69
5.3.3 Household's Responses to Income Loss and Average of Income Loss	71
5.4 Comprehensive Discussion	73
CHAPTER VI: CONCLUSION AND RECOMMENDATION.....	77
6.1. Conclusion	77
6.2. Recommendation	77
References	79
Appendix 1	82
Appendix 2	89