



## TABLE OF CONTENT

TITLE.....	i
LEMBAR PENGESAHAN .....	ii
STATEMENT .....	iv
ACKNOWLEDGEMENTS .....	v
ABSTRACT .....	vi
INTISARI.....	vii
TABLE OF CONTENT .....	viii
LIST OF TABLES .....	ix
LIST OF FIGURES .....	x
CHAPTER I INTRODUCTION .....	1
1.1. Background.....	1
1.2. Research Problem .....	3
1.3. Research Questions.....	4
1.4. Research Objectives.....	5
1.5. Research Benefits .....	5
1.6. Research Limitation.....	6
1.7. Originality of the Research.....	6
1.8. Thesis Structure .....	9
CHAPTER II LITERATURE REVIEW .....	10
2.1. Concept of Hazard and Disaster .....	10
2.2. Floods and Their Impact.....	11
2.3. Urban Development and Land-use Change.....	13
2.4. Flood Risk Perception .....	15
2.5. Floods Coping Strategies.....	16
2.6. Influencing Factors on Coping Mechanism.....	17
CHAPTER III RESEARCH METHODS .....	19
3.1. Research Approach.....	19
3.2. Scope.....	19
3.3. Data Collection .....	20
3.3.1. Primary Data Collection.....	20
3.3.2. Secondary Data Collection.....	21
3.4. Variable.....	22
3.5. Data Analysis.....	23
3.5.1. Identification Cause of Floods .....	24
3.5.2. Identification People's Perception and Coping Strategies .....	25
CHAPTER IV GENERAL DESCRIPTION OF RESEARCH LOCATION .....	26
4.1. General Information of Tangerang City .....	26
4.2. Flood Prone Area.....	29
4.3. General Information of Pedurenan Village.....	32
4.4. Flood Occurrence in Pedurenan Village.....	35



CHAPTER V RESULTS AND DISCUSSION .....	37
5.1. Socioeconomic Characteristics of Respondents in Pedurenan Village .....	37
5.2. Analysis of Factors Behind Flooding in Tangerang City .....	40
5.2.1. Topography and Hydrology .....	41
5.2.2. Climate .....	44
5.2.3. Land Cover .....	47
5.3. People Perception of Floods in Pedurenan Village .....	52
5.3.1. Information about Flood History.....	52
5.3.2. Information about Causes of Floods .....	53
5.3.3. Information about Awareness of Floods .....	54
5.4. People's Coping Strategies toward Flooding in Pedurenan Village.....	55
5.4.1. Information about Reasons to Stay in Flood Prone Area.....	60
5.4.2. Local Government Strategy .....	62
5.5. Theoretical Discussion.....	64
CHAPTER VI CONCLUSION AND RECOMMENDATION .....	67
6.1. Conclusion .....	67
6.2. Recommendation .....	68
6.3. Weakness of The Research.....	68
6.4. Suggestions for Future Studies .....	69
REFERENCES.....	70
APPENDIX .....	74



## LIST OF TABLES

Table 1.1 The List of Related Research .....	7
Table 3.1 Kind of Data and Data Source .....	22
Table 3.2 Variable .....	22
Table 5.1 Topographical Conditions in Tangerang City.....	42
Table 5.2 Climatic conditions in Tangerang city 2013–2017 .....	45
Table 5.3 Rainfall Forecast of Banten and Jakarta .....	46
Table 5.4 Land Cover Changes in Tangerang City 2005-2015 .....	47
Table 5.5 Matrix of changes in land cover in Tangerang City in 2010-2015 .....	50
Table 5.6 Awareness and Risk Crosstabulation.....	55
Table 5.7 Income and Coping Strategy Crosstabulation.....	57
Table 5.8 Type of Coping Strategies in Pedurenan Village.....	60
Table 5.9 Income and Moving out Crosstabulation.....	60



## LIST OF FIGURES

Figure 2.1 Theoretical Framework.....	18
Figure 4.1 The location of Research .....	26
Figure 4.2 Administrative Map of Tangerang City.....	28
Figure 4.3 Flood Prone Area in Tangerang City.....	31
Figure 4.4 Location of Pedurenan Village, Tangerang.....	32
Figure 4.5 Ciledug Indah housing form .....	33
Figure 4.6 Ciledug Indah housing form II .....	34
Figure 4.7 Flooding in Pedurenan Village .....	36
Figure 5.1 Occupation of Respondents .....	38
Figure 5.2 Income of Respondents.....	39
Figure 5.3 Distribution of Respondents in Pedurenan Village .....	40
Figure 5.4 Elevation map of Banten and Jakarta .....	41
Figure 5.5 Condition of the river basin in Tangerang city.....	43
Figure 5.6 Rainfall forecast of Banten and Jakarta .....	46
Figure 5.7 Land Cover of Tangerang City 2005-2015.....	49
Figure 5.8 Land Cover Change of Tangerang City in 2010-2015 .....	51
Figure 5.9 Causes of Floods.....	53
Figure 5.10 People's Perception of Flood.....	54
Figure 5.11 Strategies for Reducing Impact .....	56
Figure 5.12 People's Strategies to Cope with Floods .....	58
Figure 5.13 Strategies for Facing Floods .....	59
Figure 5.14 Government Effort to Combat Flooding.....	62
Figure 5.15 People Satisfaction on Government Role to Flood Management.....	64