

Table of Contents

Abstract	I
Acknowledgements	III
Table of Contents	VI
List of Tables	VIII
List of Figures	X
List of Abbreviations	XI
1 INTRODUCTION	1
1.1 Background	1
1.2 Problem Statement	2
1.3 Objective of the Study	3
1.4 Organization of the Study	4
2 LITERATURE REVIEW AND THEORITICAL FRAMEWORK	7
2.1 Introduction	7
2.2 Concept of Accessibility of Market	7
2.2.1 Transaction Cost Economics	7
2.2.2 Transaction Cost in Smallholder Farming	10
2.2.3. Definition of Accessibility of Market	17
2.3 The Concept of Agriculture Land and Land Use	18
2.3.1 Household and Agriculture Land	18
2.3.2 Location-specific Agricultural Land Use	18
2.4 Definition of the (Farm) Household	23
2.5 Review of Empirical Evidence on Influence of Market Access on Land Use	25
2.6 Conceptual Framework and Hypotheses	28
3 METHODOLOGY	31
3.1 Sampling Frame and Selection of Households	31
3.2 Data Collection	34
3.3 Data Entry and Cleaning	35
3.4 Methodology Applied in Descriptive Analyses	35
3.5 Methodology Applied in Causal Analyses	36
3.6 Model Estimation	38
3.6.1 The Influence of Market Access on Land Use	38
3.6.2 Impact of the Households' Market Access on Fertilizer Use	39
4. OVERVIEW OF RESEARCH AREA	43
4.1 Introduction	47
4.2 Central Sulawesi and the Lore Lindu National Park: An Overview	47
4.3 Geophysical and Climatic Conditions	52
4.4 The Economic Structure and Land Use Condition	52

5. DESCRIPTIVE ANALYSIS	55
5.1 Introduction	55
5.2 Descriptive Analysis of the Determinant Factors of Land Use and Market Condition	55
5.2.1 Socio-economic Characteristics of Sample Households	55
5.2.2 Social Capital	58
5.2.3 Access to Financial Market	60
5.2.4 Road Infrastructure	62
5.2.5 Accessibility and Condition of Market	63
5.2.6 Land Possession and Land Use	70
5.2.7 Classifying Household Access to Market with respect to Poverty	74
5.3 Relationship between Households' Access to Markets and Land Use	79
5.3.1 Share of Households Growing Crops	79
5.3.2 Area of Paddy Rice, Coffee and Cocoa Conditional on Cultivating According to Market Access	80
5.4 Discussion	81
6. ECONOMETRIC ANALYSIS	87
6.1 Introduction	87
6.2 Descriptive Statistics of Variables	87
6.3 Determinant of Household growing crops	90
6.3.1 Household Growing Paddy Rice	91
6.3.2 Household Growing Coffee	96
6.3.3 Household Growing Cocoa	99
6.4 Factors Influencing Households Using Fertilizers	102
6.5 Discussion	107
7. CONCLUSION AND SUGGESTIONS FOR POLICY IMPLICATION	107
7.1 Conclusion	108
7.2 Suggestions for Policy Implication	110
BIBLIOGRAPHY	113
APPENDIX	123