

Contents

Author Declaration of Originality	i
Acknowledgement	ii
Abstract	iii
Contents	iv
Tables	v
Figures	vi
Chapter I. Introduction	1
Chapter II. Literature Review	6
Production Function and Agricultural Productivity	7
Determinant of Paddy Productivity	9
Paddy Production Policy in Indonesia	13
Chapter III. Methodology and Data.....	20
Methodology	20
Data.....	24
Chapter IV. Result	26
Chapter V. Conclusion and Policy Implication	46
Conclusion	46
Policy Implication	49
References	52
Appendix	57

Tables

Table 3.1. List of Variables	25
Table 4.1. The Coefficients of the Aggregate Paddy Production Function at Provincial Levels in Indonesia, 2011 – 2015	26
Table 4.2. Coefficients of Regression (Elasticities)	27
Table 4.3. The Coefficients of the Aggregate Paddy Production Function at Provincial Levels in Indonesia, 2011 – 2015	32
Table 4.4. Comparison of Paddy Productivity, Harvested Area, Machinery Grants, Seed and Fertilizer Subsidies Among Regions in Indonesia	33
Table 4.5. Contribution of Input Factors Toward the Productivity Gap Among Regions in Indonesia	34
Table 4.6. Contribution of Input Factors Toward Growth Rate	36

Figures

Figure 2.1. The Percentages of Land Expansion During 2011 - 2015	15
Figure 4.1. Provincial Comparison of Paddy Production per Hectare and Paddy Production per Unit of Labor	38
Figure 4.2. Provincial Comparison of Paddy Production per Hectare and Paddy Seed	41
Figure 4.2. Provincial Comparison of Paddy Production per Hectare and Fertilizer Subsidy	43