UNIVERSITAS
GADJAH MADA
Income and Welfare Level of Agroforestry Farm Households in Playen Sub-District Gunungkidul Regency
Farhan Mahfuzh, Anung Pranyoto, S.P., M.P.; Muh Amat Nasir, S.P.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

LIST OF CONTENTS

SUBMISSION FORM ii
VALIDITY SHEET iii
DECLARATION OF PLAGIARISM-FREE WORK iv
PREFACE v
LIST OF CONTENTS viii
LIST OF FIGURES xi
LIST OF TABLES xii
INTISARI xiv
ABSTRACT xv
I. INTRODUCTION 1
1.1 Background 1
1.2 Research Questions 3
1.3 Research Objectives 4
1.4 Research Benefits 4
II. LITERATURE REVIEW AND THEORETICAL BACKGROUND 6
2.1 Literature Review 6
2.1.1 Agroforestry Farm Household Income 6
2.1.2 Welfare Level of Agroforestry Households 8
2.1.3 Agroforestry Farm Households Income Determinants 11
2.1.4 The Determinants of Agroforestry Farm Households Welfare Level 12
2.2 Theoretical Framework 13
2.2.1 Social Forestry 13
2.2.2 Agroforestry System 14
2.2.3 Theory of Farmer Household Economics 15
2.2.4 Theory of Production 17
2.2.5 Income Theory 20
2.2.6 Welfare Theory 22
2.3 Research Framework 23
2.4 Hypotheses 24
III. RESEARCH METHODOLOGY 25
3.1 Basic Method 25
3.2 Research Location 25

UNIVERSITAS
GADJAH MADA
Income and Welfare Level of Agroforestry Farm Households in Playen Sub-District Gunungkidul Regency
Farhan Mahfuzh, Anung Pranyoto, S.P., M.P.; Muh Amat Nasir, S.P.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

3.3 Sampling Method 26
3.4 Data Type 26
3.5 Data Collection 27
3.6 Assumptions and Problem Limitations 28
3.7 Definition and Measurement of Variables 28
3.8 Analysis Method 29
3.8.1 First Hypothesis Testing 29
3.8.2 Second Hypothesis Testing 31
3.8.3 Third Hypothesis Testing 35
3.8.4 Fourth Hypothesis Testing 35
IV.GENERAL CONDITION OF THE AREA 40
4.1 Geographical Conditions 40
4.1.1 Land Use 41
4.1.2 Agricultural Production 42
4.2 Population Characteristics 44
4.2.1 Population Structure by Age 44
4.2.2 Population Structure by Gender 45
4.2.3 Population Density 45
V. CHARACTERISTICS OF FARM HOUSEHOLDS 47
5.1 Identity of Head of Farming Household 47
5.1.1 Identity of Head of Farming Household Based on Age and Gender 47
5.1.2 Identity of Head of Farming Household Based on Education Level 48
5.1.3 Identity of Head of Farming Household Based on Type of Work 49
5.2 Identity of Farmer Household Members 51
5.2.1 Identity of Farmer Household Members Based on Age and Gender 51
5.2.2 Identity of Farming Household Members Based on Education Level 52
5.2.3 Identity of Farming Household Members Based on Type of Work 54
5.3 Land Tenure 55
VI. RESULT AND DISCUSSION 57
6.1 Agroforestry Farm Income 57
6.1.1 Agroforestry Cropping Patterns and Combinations 57
6.1.2 Agroforestry Farm Revenue 59
6.1.3 Agroforestry Farm Costs 64

UNIVERSITAS
GADJAH MADA
Income and Welfare Level of Agroforestry Farm Households in Playen Sub-District Gunungkidul Regency
Farhan Mahfuzh, Anung Pranyoto, S.P., M.P.; Muh Amat Nasir, S.P.
Universitas Gadjah Mada, 2026 | Diunduh dari http://etd.repository.ugm.ac.id/

6.1.4 Agroforestry Farm Income 72
6.1.5 Agroforestry Farm Households Total Income 73
6.1.6 Agroforestry Farm Households Total Expenditures 77
6.2 Factors Affecting Total Income of Agroforestry Farm Households 79
6.2.1 Classical Assumption Test 80
6.2.2 Regression Analysis 82
6.3 Agroforestry Farm Households Welfare Level 88
6.4 Factors Affecting Welfare Level of Agroforestry Farm Households 89
6.4.1 Classical Assumption Test 89
6.4.2 Regression Analysis 92
VII. CONCLUSION AND RECOMMENDATIONS 98
7.1 Conclusion 98
7.2 Recommendations 98
BIBLIOGRAPHY 100
LIST OF APPENDICES 106