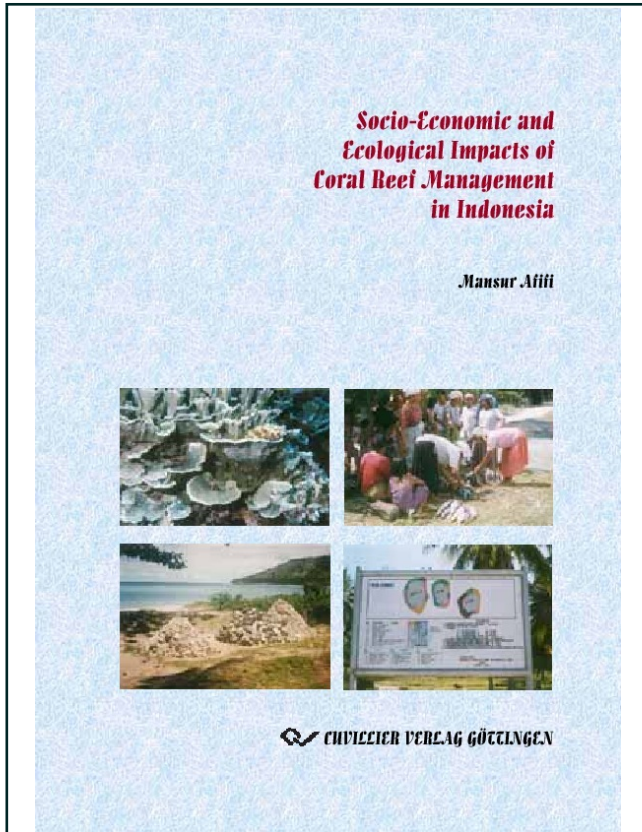




Mansur Afifi (Autor)

Socio-Economic and Ecological Impacts of Coral Reef Management in Indonesia



<https://cuvillier.de/de/shop/publications/3277>

Copyright:

Cuvillier Verlag, Inhaberin Annette Jentsch-Cuvillier, Nonnenstieg 8, 37075 Göttingen, Germany

Telefon: +49 (0)551 54724-0, E-Mail: info@cuvillier.de, Website: <https://cuvillier.de>

CONTENTS

Acknowledgement	iii
Contents	v
List of Tables	viii
List of Figure	xi
List of Annexes	xi
Abstract	xii
Zusammenfassung	xiv
Abbreviations and Glossary	xvii
1 Introduction.....	1
1.1 Background of the Study.....	1
1.2 Objectives of the Study.....	2
1.3 Organization of the Thesis.....	2
2 Coral Reefs: Indispensable Resources and Challenge.....	5
2.1 Understanding Coral Reefs.....	5
2.1.1 Ecosystem of Coral Reefs.....	6
2.1.2 Value of Coral Reefs.....	8
2.1.3 Threats to Coral Reefs.....	10
2.2 International Coral Reef Ecosystem Management.....	12
2.2.1 Integrated Coastal Zone Management: A Tool for Sustainable Development.....	12
2.2.2 Capacity Building.....	15
2.2.3 Research and Monitoring.....	16
2.2.4 Community-Based Management.....	17
2.2.5 Performance Indicators of ICZM.....	18
2.3 Coral Reef Management Policies and Implementation in Indonesia.....	21
2.3.1 National and Regional Policy Frameworks.....	21
2.3.1.1 Legislation for the Use of Natural Resources.....	21
2.3.1.2 Organizations.....	23
2.3.1.3 Strategies, Policies, and Programs of Coral Reef Management.....	25
2.3.2 Coral Reef Rehabilitation and Management Program (COREMAP)....	26
2.3.3 COREMAP on the Gili Islands of Lombok NTB (West Nusa Tenggara).....	29
2.4 Consequence for the Study, Leading Hypotheses.....	33
3 Research Methodology.....	37
3.1 Research Location and General Considerations.....	37
3.2 Type of Data and their Source.....	38
3.3 Households as Units of Analysis.....	39
3.4 Data Collection.....	39
3.5 Sample Respondent.....	41
3.6 Selection of Variables Used in the Analysis.....	42

3.7 Data Analysis.....	43
3.7.1 Analysis of Current Condition and Dynamic of Households during 1996-1999.....	43
3.7.2 Analysis of Socio-Economic Structure of Households ('S').....	44
3.7.3 Impact Analysis of the COREMAP Program on Household Welfare...	44
3.7.4 Impact Analysis of the COREMAP Program on the Natural Ecology of Coral Reef.....	47
4 Socio-Economic Condition of the Research Area.....	49
4.1 Geographic and Demographic Situation of West Nusa Tenggara	49
4.1.1 Area and Population.....	49
4.1.2 Marine and Coastal Resources Potential	51
4.1.3 Gross Regional Domestic Product (GRDP).....	53
4.1.4 Per Capita GRDP and Poverty	55
4.2 Socio-Economic Condition of Gili Air.....	56
4.2.1 Gili Air, its Vicinity and Natural Potentials.....	56
4.2.2 Economic Activities of Local People	63
4.3 Portraits of Five Local People.....	70
4.4 Summary and Concluding Remarks.....	96
5 Living Conditions of Households.....	99
5.1 Survey Data	99
5.1.1 Current Socio-Economic Conditions and Dynamics of Households ...	100
5.1.2 Households' Relationship to Coral Reef Management	121
5.1.3 Knowledge, Attitude, and Practice (KAP)	123
5.1.4 Participation of Households in COREMAP Program	128
5.2 Panel Household Data Analysis	131
5.3 Comparison Between Survey and Panel Data.....	141
5.4 Towards an Understanding of the Household Structure... ..	150
5.4.1 Correlation Between Socio-Economic Variables	150
5.4.2 Household Cluster Based on Socio-Economic and Demographic Variables.....	155
5.4.3 Factors Characterising the Condition of Households	158
5.5 Summary	160
6 Factors Affecting Household Participation in COREMAP.....	165
6.1 Chi-square Analysis.....	165
6.1.1 Economic Aspects	165
6.1.2 Demographic Aspects	172
6.1.3 Social Aspects	175
6.2 "Heckman" First Stage.....	178
6.3 Summary.....	181
7 Analysis of the Impact of COREMAP.....	183
7.1 COREMAP's Impact on Human Factors.....	183
7.1.1 Impact on Assets.....	183

7.1.2 Impact on KAP (Knowledge, Attitude, and Practice).....	193
7.2 Impact on Natural Ecology: Trends of Ecological Dynamics.....	195
7.3 Summary.....	200
8 Conclusions and Policy Implications.....	205
8.1 Implementation of COREMAP Program in Gili Air.....	205
8.2 Socio-Economic Dynamics of the Households and the Program's Impacts..	208
8.3 Policy Implications.....	211
9 References.....	215
10 Annexes.....	229