

**ASSESSING THE ROLE OF LANDCARE IN ENHANCING
ADAPTIVE CAPACITY OF THE COMMUNITIES IN CLAVERIA,
MISAMIS ORIENTAL TO CLIMATE VARIABILITY**

**A THESIS PRESENTED TO
THE DEPARTMENT OF GEOGRAPHY
COLLEGE OF SOCIAL SCIENCES AND PHILOSOPHY
UNIVERSITY OF THE PHILIPPINES
DILIMAN, QUEZON CITY**

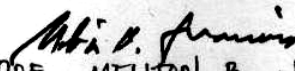
**IN PARTIAL FULFILLMENT
OF THE REQUIREMENTS FOR THE DEGREE
MASTER OF SCIENCE IN GEOGRAPHY**

JESSICA DENILA VILLANUEVA


NOVEMBER 2006

APPROVAL SHEET

The dissertation attached hereto, entitled Assessing the Role of Landcare in Enhancing the Adaptive Capacity of the Communities of Claveria, Misamis Oriental, prepared and submitted by Jessica D. Villanueva in partial fulfillment of the requirements for the degree of Master of Science in Geography, is accepted.

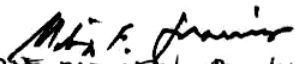

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Tinanggap ang tesis na kalakip nito, na may pamagat na Assessing the Role of Landcare in Enhancing the Adaptive Capacity of the Communities of Claveria, Misamis Oriental, na inihanda at iniharap ni Jessica D. Villanueva bilang pagpatupad sa huling pangangailangan para sa Masterado sa Geograpiya.


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The following make up the panel members for her thesis defense:

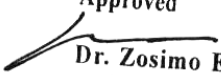
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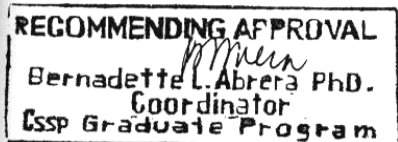
The panel size has also been increased to include Dr. Lasco of UPLB as he is very knowledgeable on the topic. Dr. Reyes' expertise is hazard mitigation while that of Dr. Perez is climate change – fields that are very relevant to the study.

Yours truly,


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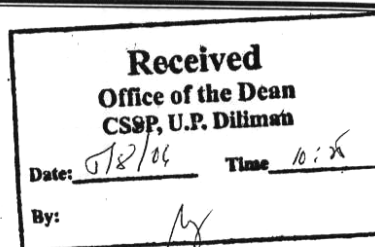




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Thank you very much.

Very truly yours,

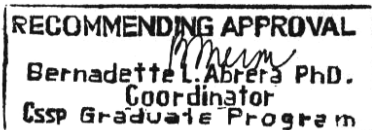
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Dear Dr. Lee:

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Thank you!

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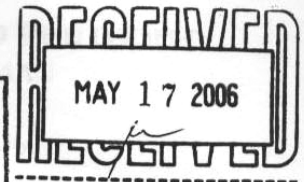
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JESSICA DENILA VILLANUEVA, University of the Philippines Diliman, November 2006. Assessing the Role of Landcare in Enhancing the Adaptive Capacity of the Communities in Claveria, Misamis Oriental to Climate Variability.

Abstract

The study aimed to assess the role of Landcare in enhancing the adaptive capacity of the communities of Claveria, Misamis Oriental to climate variability. Specifically the objectives are: (1) to identify the vulnerable areas/communities; (2) to assess the effects of Landcare as an approach on the adaptive capacity of upland farmers in Claveria to climate variability; (3) to evaluate the communities in terms of resilience; (4) to identify the role of Landcare with regards to resilience; and (5) to formulate/suggest things/ideas that will help the communities in terms of policy-making.

Interviews from 850 households were conducted. Each of the communities was assessed according to the social and economic aspects, the levels of food availability, water demand, livelihood situation, health condition and accessibility to different assistance areas. On the biophysical component, the soil quality, soil problems and water use were taken into consideration. The climate variability impacts, its level of awareness and their adaptive measures were also part of this assessment.

The study showed that Landcare helped in enhancing the adaptive capacity of the communities in Claveria by giving services and activities to control soil erosion and increase yields. The study presented that the adoption of Landcare technologies is the major factor in enhancing the resiliency. Resiliency came in, in terms of the coping mechanisms given by the adaptation measures the communities are employing. In general the communities of Claveria are in the moderate level of vulnerability to climate variability.