

**SUSTAINABILITY OF UPLAND FARMING SYSTEM IN BARANGAY
GANDUZ, PANTABANGAN NUEVA ECIJA**

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An Undergraduate Thesis Submitted to the Faculty of the Department of Environmental
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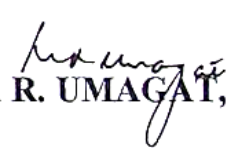
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SUSTAINABILITY OF UPLAND FARMING SYSTEM IN BARANGAY GANDUZ PANTABANGAN, NUEVA ECIJA¹

MELVIN N. GARCIA

ABSTRACT

Background: Sustainability of upland farming system in many areas of the world is influenced by rapid changes of social aspects and improper use of natural resources in the environment. This study was conducted to examine the sustainability of upland farming system in barangay Ganduz, Pantabangan, Nueva Ecija using three indicators which is ecological soundness, economic viability and social acceptability. **Methods:** Ecological soundness was assessed using soil quality assessment and evaluation of soil fertility management. Physico-chemical properties of the soil were assessed in the laboratory; Economic viability such as productivity and net income; Social acceptability like environment-friendly farming practices and evaluation of soil fertility management was assessed with the use of survey questionnaires and interviews of the farmer respondents. **Results:** The sustainability of upland farming system in the study area was evaluated with low level of sustainability. It is due to improper use of natural resources, extensive use of agrochemicals and accumulation of pest and diseases and occurrence of typhoon that damage the crops. **Conclusions:** The results indicate that use of extensive agrochemicals, improper use of natural resources, and lack of sufficient capital for farming, affect the production of crops in the study area. Therefore, this kind of practices and problems influence the sustainability of upland farming system in Brgy. Ganduz Pantabangan, Nueva Ecija.

Keywords: Sustainability, indicators, upland farming system

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