Journal of Research in Ecology

An International Scientific Research Journal

ISSN No: Print: 2319 –1546; Online: 2319-1554

Assessing the sustainability of agricultural water management of Upper Pampanga River Integrated Irrigation System (UPRIIS) in Nueva Ecija in the Philippines

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ABSTRACT:

A sustainable agricultural water management system is the key to agricultural productivity. The New Public Administration Model focuses on the performance measure of government institutions. This study is a measure of performance of Upper Pampanga River Integrated Irrigation System (UPRIIS) Division II in Talavera, Nueva Ecija in the Philippines. The study used a mixture of qualitative and quantitative methods of research. A researcher-made sustainability scaling, and paradigm was also used. The results of the study found that the management of agricultural water system of UPRIIS is: a) highly sustainable; b) the weighted mean scores in the four areas of organizational development border from high to very high sustainability; and c) farmers are very satisfied with the management of the system. The data were gathered using survey questionnaires filled out by 450 participants from 50 Irrigators' Associations. It is also recommended that other areas of agricultural water management such as the presence or absence of corruption, co-management and financial management should be studied in the future to determine the financial sustainability of agricultural water management completely.

Keywords:

Sustainable management of irrigation, Agricultural productivity, organization and management.

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