VISAYAS STATE UNIVERSITY

ECOLOGICAL FARM AND RESOURCE MANAGEMENT INSTITUTE
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ACCOMPLISHMENT REPORT

October 1 to December 31, 2021

I. Program/Project/Study Objectives

Project Title: **Assessment of Climate Smart Farming Scheme in Hilly Upland Areas**

Objectives:

1. *To asses and evaluate the influence of the different double hedgerows combinations on the soil erodibility.*
2. *To assess the physico-chemical and biological properties of the soil on the influence of IMO6, EM, and Vermicast application in the contour hedgerows on the degraded upland.*

II. Relevance to VSU and College's Thrust and Priorities: Relevant

III. Highlights of accomplishments within the quarter

1. Done end/final analysis on soil pH, EC, and OM from previous crop (peanut) and continue end/final analysis for its soil P and N. Analyses on peanut tissue samples will be followed after soil P and N.
2. Done initial analysis on soil pH, EC and OM for Adlay cropping. Continue initial analysis for soil P and N.
3. Continue area maintenance through weeding and under brushing in the contour plots for present Adlay cropping.
4. Continue data gathering on soil metal stakes for soil erodibility and monthly Agro-climatic data were acquired at VSU PAG-ASA system.
5. Continue data gathering for adlay growth and yield parameters.
6. Collection and processing of Adlay plant samples, subjected to air drying followed by oven drying and grinding for tissue analyses.
7. Established bamboo sticks and plastic straws to colligate adlay (stem lodging) as plant support due to damaged caused by bad weather conditions such as heavy rains and strong winds.
8. Photo documentation in the contour areas for Adlay plants.
9. Data encoding of end/final analysis (peanut cropping), initial analysis (Adlay cropping) and some growth parameters of adlay plants.

IV. Issues, Problems and Recommendations

- Due to COVID-19 pandemic, our research staff was scheduled to report on skeletal schedule thus laboratory activities were hampered/ restricted.

- At present cropping (Adlay Plants) were damaged caused by unfavorable weather conditions such as heavy rains and strong winds which resulted to plant stem lodging.

Submitted By:

DHENBER C. LUSANTA

Recommending Approval

DHENBER C. LUSANTA
OIC, Eco-FARMI

Approved

ROSA OPHELIA D. VELARDE
Director for Research