VISAYAS STATE UNIVERSITY

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QUARTERLY RESEARCH PROGRESS REPORT
THIRD QUARTER (July – September 2022)

Research Title: Assessment of Climate Smart Agriculture in Hilly Upland Areas

I. Program/Project/Study Objectives

Objectives:

1. *To asses and evaluate the influence of the different double hedgerows combinations on the soil erodibility.*
2. *To assess the physico-chemical 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 & College's Thrust and Priorities:

III. Highlights of accomplishments within the quarter

A. Targets for the quarter

1. In-house review (RDE) presentation on August 2022.

2. Regular observation on the experimental site.

3. Double hedgerows maintenance.

4. Continue analysis for Nitrogen (N) and phosphorous (P) from final soil samples of (adlay cropping).

5. Preparation for hedgerow sample biomass collection and harvesting.

6. Furrowing and planting ginger, sweet potato and cassava in the upland flatland area for income generating (IGP) purposes.

B. Highlights of accomplishments

1. Presented CSA project (Assessment of Climate Smart Farming Scheme in Hilly Upland Areas) report in Adlay cropping on RDE In-house review.

2. Perform area maintenance and cleaning through weeding to the treatment plots, under brushing on fruits planted (i.e. mango and abyo), grass cutting the trail to project site and any other surroundings near the area.
3. Planting and replanting/replacement of dead hedgerows (i.e. Vetiver grass, Madre de Agua and Madre de Kakaw) are also done.

4. 78 of final soil N samples from adlay cropping were analyze. While soil P where delayed due to insufficient supply of filter papers.

5. Continue hedgerow biomass sampling and harvesting.

6. Maintenance through weeding, under brushing and fertilizer application on the IGP crops (i.e. ginger, sweet potato and cassava).

IV. Physical Report of Operation

A. Research Program

	Particulars/Name and Brief Description of Utilized/ Commercialized Technologies	Number
Outcome Indicator		
1. Number of research outputs utilized by the industry or by other beneficiaries	N/A	
Output Indicator		
1. Number of research outputs completed within the year	N/A	
2. Percentage of research outputs published in internationally-referred or CHED recognized journal within the year	N/A	

B. Technologies/Information patented and commercialized

Technology Invention(s) New Information	Invention Patent Number	Date of Issue	Utilization of Invention		Name of Commercial Product
			Development	Service	
A. Technology Invention(s)	NONE				
B. New Information	NONE				

C. Research papers published *(Identify if articles were for Research, Extension, Innovation or MSc/ PhD Studies)*

	Title	Author (s)	Date/Year/Publication/ Publisher	Remarks *(if Research, Extension, Innovation, Thesis, MSc/PhD*
a. Refereed Journal	NONE			
Institutional				
National				
International				
b. Semi-popular publ'n (newsletter, etc.)	NONE			
c. Popularized pub'ln (technoguides, etc.)	NONE			
d. Book Chapter/s	NONE			
e. Books	NONE			

D. Citation

Research Output as Cited by Other Researcher(s) in Journal Activities									
Title of Research Output/ Published Journal Articles/ Book	Title of Journal & Vol. Issue/ Year	Keywords	Researcher (s)	Citation Details					
				Author(s) Who Cited the Research Output	Title of Article Where the Research Output Was Cited	Title of Journal	Vol. / Issue / Page No.	City/ Year Published	Publisher
NONE									
NONE									

V. Issues, Problems, and Recommendations

1. Delayed delivery of laboratory chemicals and other materials to be used in analysis due to problems encountered in procurement process, such as; filter paper and sulfuric acid.

2. Unable to analyze Phosphorous (P) due to lack availability of filter papers.

3. Insufficient budget needed for purchasing raw materials for Bio-Organic Fertilizers (BOF's) production such as Effective Microorganism (EM) and Indigenous Microorganism 6 (IMO6).

Submitted by : DHENBER C. LUSANTA
Co-Study Leader

Endorsed by : DHENBER C. LUSANTA
OIC Director

Date Submitted: September 29, 2022

Received by OVPREI-RPO: _____

Date Received: _____