



**QUARTERLY RESEARCH PROGRESS REPORT
QUARTER: THIRD QUARTER (July - September 2022)**

**Research Title: STANDARDIZATION, REFORMULATION AND UTILIZATION OF
ORGANIC FERTILIZERS IN VSU (ORPO4 - EFS 3. 1418-1)**

I. Program/Project/Study Objectives

Project Objectives:

1. Standardize and improve the quality of organic fertilizer produced at the Eco- FARMI vermicomposting facility with the use of locally available wastes;
2. Assess the growth and yield performance of organically grown crops through the application of improved organic fertilizer products;
3. Develop IEC materials and disseminate information related to the reformulated organic fertilizer products.

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

III. Highlights of accomplishments within the quarter

A. Targets for the quarter

1. Prepare plastic trays for the experiment
2. Mix and pre-decompose raw materials for the experiment
3. Collect samples of raw materials for moisture content determination and initial chemical analysis
4. Establish one (1) experiment
5. Regular monitoring and maintenance of the experiment
6. Terminate the experiment and collect samples from each experimental unit for analysis.

B. Highlights of accomplishments

1. Thirty six (36) plastic trays were prepared for the experiment
2. Thirty six (36) raw material combination were mixed and were allowed to pre-decompose
3. Samples of cow manure, mudpress, kakawate, rice straw, vegetable waste, and jackfruit were collected (in triplicate) and brought to the laboratory
4. One experiment was established
5. The experiment was regularly monitored and maintained

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				

Vision: A globally competitive university for science, technology, and environmental conservation.
Mission: Development of a highly competitive human resource, cutting-edge scientific knowledge and innovative technologies for sustainable communities and environment.

International				
b. Semi-popular publ'n (newsletter, etc.)	NONE			
c. Popularized pub'n (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									

V. Issues, Problems, and Recommendations

1. No research assistant was able to fully monitor the experiment hence at the later part of the experiment, african nightcrawler worms died due to insufficient moisture.
2. Difficulty in securing the raw material such as mudpress resulted to the delayed establishment of the experiment.

Submitted by : SUZETTE B. LINA
Study Leader

Endorsed by : DHENBER C. LUSANTA
OIC-Director, Eco-FARMI

Date Submitted : _____

Received by OVPREI-RPO: _____

Date Received : _____