



QUARTERLY RESEARCH PROGRESS REPORT

QUARTER: 4th

October – December 2022

Research Title: STANDARDIZATION, REFORMULATION, AND UTILIZATION OF ORGANIC FERTILIZERS IN VSU (ORP04 - EFS 3.1418-1)

I. Program/Project/Study Objectives

Project Objectives:

The overall objective of this project is to produce an effective organic fertilizer products in VSU that has the potential for commercialization.

Specifically this project aims to:

- a. Standardize and improve the quality of organic fertilizer produced at the EcoFARMI vermicomposting facility with the use of locally available wastes;
- b. Assess the growth and yield performance of organically grown crops through the application of improved organic fertilizer products;
- c. 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. Collection of the raw materials (mudpress, kakawate, rice straw and carabao manure) needed for the set-up.
2. Air drying of the collected samples.
3. Preparation of the experimental site.
4. Preparation of materials (sacks, trays, plastic mulch)

B. Highlights of accomplishments

1. Collected and air-dried the following raw materials:

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.

- 80 kgs of kakawate leaves within VSU vicinity
 - 80 kgs of rice straw from Brgy. Patag
 - 80 kgs mudpress from HISUMCO, Kananga, Leyte.
 - 80 kgs of carabao manure form Philippine Carabao Center
2. Fixed and prepared the experimental site.
3. Procured the following materials need for the set-up:
- 36 plastic trays
 - 1 roll of plastic mulch
 - 30 sacks

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 collection and drying of the raw materials due to unfavorable weather condition.

Submitted by : SUZETTE B. LINA
Study Leader

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

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