



## ACCOMPLISHMENT REPORT

October 1 to December 31, 2021

### I. Program/Project/Study Objectives

Project Title: **Integrated Nutrient Management for Horticultural Crops (Vegetables, Fruits and Herbs)**

#### Objectives

1. To determine nutrient, microbial activity and carbon stocks of the area identified for the edible landscape production system.
2. To assess the soil quality of the pre-identified production area.
3. To evaluate the effectiveness of BOF application on the growth and yield performance of the different horticultural crops grown in an edible landscape production system.
4. To develop and establish a nutrient management strategy for the edible landscape vegetable production area.

### II. Relevance to VSU & College's Trust and Priorities:

### III. Highlights of accomplishments within the quarter

1. Phosphorus (P) analysis of initial soil samples from alugbati (upland area)
2. Soil organic matter (SOM) and phosphorus (P) analysis of final soil samples from alugbati (upland area)
3. Soil pH, soil organic matter (SOM), and phosphorus (P) analysis of initial and final soil samples from alugbati (lowland area)
4. Phosphorus (P) analysis of the tissue samples from alugbati (upland and lowland area)
5. Preparation of bio-organic fertilizers (EM and IMO6).
6. Secured planting materials (arugula) to be used for the new set-up.
7. Encode and arrange the data of alugbati.

### IV. Issues, Problems and Recommendation

1. Pending nitrogen analysis due to insufficient sulfuric acid.



Submitted By:

**DHENBER C. LUSANTA**

Project Leader

Recommending Approval

**DHENBER C. LUSANTA**

OIC, Eco-FARMI

Approved

**ROSA OPHELIA D. VELARDE**

Director for Research

**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.