



## NATIONAL ABACA RESEARCH CENTER

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## VSU RESEARCH QUARTERLY REPORT OF ACCOMPLISHMENT FORM

[April to June, 2022]

## I. Program/Project/Study Objectives

**Program Title:** 

Project Title: Field Evaluation of Bio-hardened Abaca with Plant Growth

Promoting Microorganisms (PGPM) as Biofertilizers

#### **Objectives**

- 1. To evaluate the growth and yield performance of bio-hardened tissue-cultured abaca plantlets under field condition;
- 2. To assess the diversity of microbial population in the rhizosphere of field grown tissue-cultured abaca plantlets;
- 3. To determine the nutrient uptake of field grown abaca applied with PGPM;
- 4. To document the farmers acceptability of the field evaluation trial

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

# III. Highlights of accomplishments within the quarter

- A. Targets for the quarter
  - Regular observation of abaca plants
  - Six (6) growth parameters gathered
  - Weeding operations on the treatment plots
  - One (1) soil chemical properties analyzed
  - One hundred eighty (180) plant tissue samples collected
  - Encode data

#### B. Highlights of accomplishments

- Observed and documented the performance of abaca on the pot and
- Gathered monthly data: plant height (cm), number of leaves, leaf length (cm), leaf width (cm), base circumference (cm), and number of suckers of abaca on the pot and field
- Performed weeding operations on treatments plots, and ring weeding on farmers practice treatment
- Nitrogen (N) analysis of initial soil samples
- Collected plant tissue sample of abaca
- Encode and arrange the data of abaca



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.

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