



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; and
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 field
- 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