



VSU RESEARCH QUARTERLY REPORT OF ACCOMPLISHMENT

[October to December, 2022]

I. Program/Project/Study Objectives

Program Title:

Project Title: Low cost options for the *in vitro* propagation of abaca

Objectives

General: To formulate low cost *in vitro* techniques for the mass propagation of abaca planting materials.

Specific:

1. To determine alternative chemicals (usually imported and expensive) for the formulation of low cost media for the *in vitro* propagation of abaca
2. To determine low cost procedures/techniques through the use of locally available materials for the *in vitro* propagation of abaca.
3. To formulate low cost techniques in hardening of *in vitro* cultured abaca.
4. To conduct cost analysis of low cost procedure /technique in the *in vitro* mass propagation of abaca planting materials

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

III. Highlights of accomplishments within the quarter

A. Targets for the quarter

- Maintenance and care of plants at the screenhouse
- Monthly transfer of cultures to fresh medium
- Monthly data gathering
- Conduct of experiment on macro propagation and micro propagation of abaca
- Construction of humidity chamber for macro propagation