



NATIONAL ABACA RESEARCH CENTER

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VSU RESEARCH QUARTERLY REPORT OF ACCOMPLISHMENT

[October to December, 2022]

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.
- 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



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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