



## NATIONAL ABACA RESEARCH CENTER

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### VSU RESEARCH QUARTERLY REPORT OF ACCOMPLISHMENT

[July to September, 2022]

Study 2:

Design, Fabrication, and Evaluation of a Light and Lowcost Trailer-Mounted Abaca Spindle Stripping Machine (TTASM)

I. Program/Project/Study Objectives (Please specify if it is a program/ project/study):

Project Title: Improvement of Abaca Fiber Extraction and Processing Machines (Phase 3)

## **Objectives**

# General:

To design, fabricate, and evaluate a prototype of a light and low-cost trailermounted abaca spindle stripping machine.

### Specifically

- 1. To design a lighter and low-cost trailer-mounted abaca spindle stripping machine.
- 2. To fabricate a working prototype of a trailer-mounted abaca stripping machine,
- 3. To evaluate the technical performance of the developed machine prototype,
- 4. To evaluate other machine features such as: maximum towing and turning speeds, ease in mounting and dismounting of engine, and ease in transporting,
- 5. To determine the cost and return analysis of the prototype, and
- To promote the developed machine prototypes to potential end-users.
- II. Relevance to VSU & College's Thrust and Priorities: Relevant
- III. Highlights of accomplishments within the quarter
  - A. Targets for the quarter
    - a. Mobile stability test of Trailer-type Abaca Spindle Stripping Machine (TTASSM)



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