# QUARTERLY RESEARCH PROGRESS REPORT
## QUARTER: 3rd

**Research Title:** Adlay Production: A Climate Change Adaptation and Mitigation Strategy for Marginal Lands

## I. Program Objectives:

a. Evaluate the growth and yield of adlay cultivars raised in various marginal lands.
b. Determine the climate change adaptation and mitigation capacity of adlay cultivars under different cultural management practices grown in various marginal lands.
c. Assess the profitability of raising adlay cultivars in various marginal lands.

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

This project is in line with the University's and College's goals and priorities to address the problem of food security in the country and worldwide affected by climate change. The production of staple crops (rice and corn) may no longer be able to meet the food and feed requirements in the coming years as the area of prime agricultural lands have been decreasing due to conversion into residential, commercial and industrial areas. Thus, the utilization of marginal lands may be an option to offset the impact of reduced farmlands.

The project also responds to the priority thrust of the institution by reducing poverty and improving the livelihood of farmers living in the marginal uplands and address the problems of marginal uplands by adopting different cropping management strategies.

## III. Highlights of accomplishments within the quarter

### A. Targets for the quarter

Conducted study 2 (Comparative Trial of Different Adlay Cultivars) of the six studies in the program.

### B. Highlights of accomplishments

Completed key project activities from field lay-outing, land preparation, planting and crop care and management

## IV. Physical Report of Operation

**DEPARTMENT OF AGRONOMY**
Visayas State University, PQUV+97H Baybay City, Leyte
Email: agronomy@vsu.edu.ph
Website: www.vsu.edu.ph
Phone: +63 53 565 0600 Local 1013

# QUARTERLY RESEARCH PROGRESS REPORT
## QUARTER: 4th

**Research Title:** Adlay Production: A Climate Change Adaptation and Mitigation Strategy for Marginal Lands

## I. Program Objectives:

a. Evaluate the growth and yield of adlay cultivars raised in various marginal lands.
b. Determine the climate change adaptation and mitigation capacity of adlay cultivars under different cultural management practices grown in various marginal lands.
c. Assess the profitability of raising adlay cultivars in various marginal lands.

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

This project is in line with the University's and College's goals and priorities to address the problem of food security in the country and worldwide affected by climate change. The production of staple crops (rice and corn) may no longer be able to meet the food and feed requirements in the coming years as the area of prime agricultural lands have been decreasing due to conversion into residential, commercial and industrial areas. Thus, the utilization of marginal lands may be an option to offset the impact of reduced farmlands.

The project also responds to the priority thrust of the institution by reducing poverty and improving the livelihood of farmers living in the marginal uplands and address the problems of marginal uplands by adopting different cropping management strategies.

## III. Highlights of accomplishments within the quarter

### A. Targets for the quarter

Gather the necessary data

### B. Highlights of accomplishments

Conducted the necessary crop care and management practices such as weeding, insect pest control and harvesting. Agronomic and yield and yield parameters were collected.

## IV. Physical Report of Operation