



## **VSU RESEARCH QUARTERLY REPORT OF ACCOMPLISHMENT**

### **Farming System Section October - December 31, 2021**

**Project Title: *Collection and characterization of local and introduced coconut cultivars/ hybrids (2 studies)***

#### **Study 1. Conservation of coconut germplasm in VSU**

- 1) Continued the maintenance activities of the NCRC-V coconut genebank such as ringweeding, underbrushing and grasscutting.
- 2) Harvested and set matured nuts of TAC, ALD, BNV, CRN, PDN and SGD for replacement/replanting on the vacant hills of different accessions
- 3) Monitored pest and disease incidence on the different coconut populations of the germplasm collection.
- 4) Hauling of sands and gravel, concreted the flooring of the shed house processing area and installation of water at hybridization area (Pangasugan).

#### **Study 2. Characterization of local and introduced coconut cultivars/hybrids**

- 1) Continued observation on the flowering characteristics of newly-bearing dwarf and tall coconut accessions at hybridization area (Pangasugan), below NSDV and below Kamaybag area at Brgy. Marcos.
- 2) Gathered yield data on the different coconut accessions in the germplasm collection.
- 3) Gathered nut component characteristic data of newly-bearing coconut accessions at hybridization area (Brgy. Pangasugan) and Brgy. Marcos area.
- 4) Gathered husk, meat and shell thickness, polar and equatorial diameter of nut of the newly-bearing coconut accessions.
- 5) Prepared screen boxes for drying of meat samples.
- 6) Fat content analysis of fresh dried meat of newly-bearing coconut accessions.
- 7) Encoded set of data gathered from the different coconut accessions.
- 8) Prepared and submitted quarterly, semi-annual and annual progress reports.