

# ADVANCED RESEARCH AND INNOVATION CENTER

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## VSU RESEARCH QUARTERLY REPORT OF ACCOMPLISHMENT FORM

#### [October 1- December 31, 2021]

- 1. Quarterly meeting with research staff;
- 2. Collected plant samples;
- 3. Prepared plant samples, e.g., oven-drying and freeze-drying;
- 4. Performed alpha-glucosidase and alpha-amylase inhibition assay of plant extracts (screening);
- 5. Performed IC50 alpha-glucosidase and alpha-amylase inhibition assay of plant extracts;
- 6. Essential oil extraction of collected plant samples;
- 7. Performed alpha-glucosidase inhibition assay hydrolysate extracts; and
- 8. Analyzed alpha-amylase and alpha-glucosidase data;
- 9. Prepared progress reports.

Submitted By:

### **EDGARDO E. TULIN**

Project Leader, VSU-IP-2021-6

Recommending Approval

#### MA. THERESA P. LORETO

Director

Vision:

Mission:

Advanced Research and Innovation Center

Approved

MARIA JULIET C. CENIZA

VP for Research, Extension, and Innovation



A globally competitive university for science, technology, and environmental conservation. Development of a highly competitive human resource, cutting-edge scientific knowledge and innovative technologies for sustainable communities and environment.