

# NILO LASQUITE LEORNA

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## OBJECTIVE

I am a dedicated and output-oriented researcher in AB Processing and Renewable Energy, committed to supporting the university's vision and mission.

## EDUCATION

- Master of Science (Agricultural Engineering), Visayas State University, 2021
- Bachelor of Science in Agricultural Engineering, Visayas State University (formerly ViSCA), 2000.
- Cristo Rey Regional High School (CRRHS), 1993
- Mahayahay Elementary School, 1989

## PROFESSIONAL EXPERIENCE

### **Director, Renewable Energy Research Center, Sept 2024 - present**

- Provide overall leadership in running the internal and external affairs of the Center in support to the vision, mission, and quality policy of the university
- Source out funds for the implementation of the different research and extension activities of the Center
- Establish sustainable linkages with industries, private companies, foundations, academic institutions, and other agencies involved in the promotion and utilization of new and renewable energy technologies
- Spearhead the conduct of research, development, promotion, and utilization of emerging new and renewable technologies for agri-industrial application and climate change mitigation in Eastern Visayas
- Support the different academic programs of the College of Engineering and Technology and other allied degree programs, including Senior School, in their lecture and laboratory classes through the establishment of a Renewable Energy Park that showcase working models of existing and new renewable energy technologies.

### **VSU-TVET Program Coordinator, 2012-2024**

- Coordinate the implementation of Technical Vocational Education and Training (TVET) of the University
- Focal person to all TESDA related transactions

### **Science Research Specialist (SRS), Protos Plant Oil Stove Project, 2004 – 2011**

- Conduct laboratory testing, evaluation and improvement of protos plant oil stove
- Supervise the laboratory and stove production activities
- Purchase materials needed in the production of stove part and accessories
- Conduct training and support services of protos project in other countries (Tanzania and Indonesia).

### **Science Research Assistant (SRA), National Coconut Research Center-Visayas, 2002 – 2004.**

- Make farm development plans for the farmers cooperators
- Organized farmer cooperative in Burabod, Biliran, Biliran, Philippines
- Conduct farm surveys
- Produced a "Sustainable Coconut Enterprise Development (SCED) Plan for the recipient farmers and cooperative.

### **Supervising Engineer, GUARTECH Agri-Industrial Enterprise, 2000 – 2002.**

- Make design and fabrication drawings of dryers for Dried Mango Production
- Supervise the fabrication and testing of the dryer
- Purchase materials needed for the fabrication of different Food Processing tools, equipment and machines

## **RESEARCH INVOLVEMENT**

- Co-Study Leader of research entitled “Development and Process Optimization of Dried and Baked Coconut Food Products (2015 -December 2020), National Coconut Research Center-Visayas
- Co-Project Leader of the research entitled” Development of Processing Equipment for Food and Non-Food Coconut Products (January 2023 – present), National Coconut Research Center-Visayas
- Project Leader of the research entitled “*Bioenergy Generation from Agricultural Wastes, Seaweeds, Algae, Cellulosic Materials, and Plant Oils for Climate Change Mitigation and Food Security*, Renewable Energy Research Center
- Extension Coordinator, Renewable Energy Research Center

## **ACADEMIC INVOLVEMENT**

- Affiliate Faculty, Department of Agricultural and Biosystems Engineering
  - Subject Taught: AB Electrification and Control Systems, Hydrometeorology, Pre-calculus, Properties of AB Materials, Introduction to ABE and Differential Equations.
  - Undergraduate Thesis Advising in the field of Food Processing, Renewable Energy, and Instrumentation and Control.

## **SKILLS**

- Basic Instrumentation and Control Systems for AB Applications
- Electrical Installation and Maintenance
- Solar PV Installation and Maintenance
- Sketchup CAD software
- Statistical analysis using Statisca Software