VISAYAS STATE UNIVERSITY

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QUARTERLY RESEARCH PROGRESS REPORT
1st Quarter (January – March 2024)

Research Title: VSU-IRRI Project entitled OneRicePH "Development of Product Concepts for Target Rice Market Segments and Establishment of the National Breeding Network

I. Project Objectives:

1. To evaluate and select promising early and mid-maturing rice lines developed from IRRI, PhilRice, and UPLB that are high-yielding, climate-resilient, and adaptable to local conditions
2. To recommend promising rice lines as entries to the National Cooperative Testing (NCT) Nationwide
3. To facilitate the submission and recommendation of high-yielding, climate-resilient, and acceptable eating quality rice lines to the National Seed Industry Council for variety approval
4. To assess the development of product concepts for target rice market segments and establishment of the national breeding network

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

Through this project, "OneRicePH: Development of Product Concepts for Target Rice Market Segments and Establishment of the National Breeding Network," VSU and IRRI are collaborating on research that demonstrates global collaboration. The International Rice Research Institute (IRRI), the Philippine Rice Research Center (PhilRice), and the University of the Philippines (UP) in Los Baũos, Laguna, Philippines formed a unified collaborative breeding network with this project. Together, they started creating breeding lines of rice that would be tested across the country, submitted to the National Seed Industry Council (NSIC) for varietal approval, and tested for NCT. These breeding lines are best-eating quality, high-yielding, resilient to climate change, and flexible enough to adjust to the current harsh effects of climate change on local conditions.

The primary goal of this initiative is to increase rice farmers' income and reduce advanced sustainable agriculture across the nation, enhance nutrition, and ensure food security.

III. Highlights of accomplishments within the quarter

A. Targets for the quarter:

Established one trial under stage 2 during the dry season (November to April cropping) that started the first week of February 2024 at the experimental fields of the Visayas State University main campus. The stage 2 trial implementation has a total of 60 breeding rice lines, from the three breeding institutions; 12 from IRRI, 10 from PhilRice, and 28 from UPLB, and with the addition of 10 various check varieties, totaling 60 entries for this research undertaking.