



QUARTERLY RESEARCH PROGRESS REPORT
3rd Quarter (July – September 2022)

Research Title: VSU-IRRI Collaborative Project on Genetic Evaluation of Pre-Variety Breeding Rice Lines Through the ASEAN RiceNet

I. Project/Study Objectives:

1. Evaluate and select promising rice lines that are high yielding and adaptable to local conditions
2. Submit promising rice lines as entries to the National Cooperative Testing for Rice
3. Recommend high-yielding, climate-resilient, and with acceptable eating quality rice varieties to the National Seed Industry Council

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

The partnership between VSU and IRRI is a testimony of collaboration on an international scope through this project on Genetic Evaluation of Pre-Variety Breeding of Rice Lines involving the ASEAN RiceNet. This project responds to the priority thrust of reducing poverty and improving the livelihood of all Filipinos. This also aims to end hunger, achieve food security, improved nutrition, and promote sustainable agriculture in our country and other ASEAN countries as well.

III. Highlights of accomplishments within the quarter

A. Targets for the quarter:

Establish two rice trials; i.e., one preliminary and one advanced yield trial consisting of 52 and 36 rice lines as entries, respectively.

B. Highlights of accomplishments:

The project is composed of two field trials namely: preliminary and advanced yield trials which were initiated starting in July 2022. However, these undertakings were representative during the wet (May to October) cropping season. The protocol given by IRRI for conducting these trials was strictly followed. These include the proper seedbed preparation (one seedbed per rice line/entry), raising the growing seedlings to 21-day-olds before transplanting, and herbicide application in the rice field before crop establishment. Besides, proper care and management include correct fertilization, timely rotary and spot weeding operations, best preventive and control measures for insect pests and diseases, and correct harvesting within the required time of each rice line/entry concerned.