

Kitay, M. A. R., et al., *Growth and Yield of Yardlong Beans (Vigna unguiculata spp. Sesquipedalis) Using Different Organic Fertilizers*. Research and Development. Diploma in Agricultural Technology. Quezon National Agricultural School. December 2022.

The study was conducted at Brgy. Silangang Malicboy, Pagbilao, Quezon, from August to December 2022, to evaluate the effects of different organic fertilizers on the growth and yield of yardlong beans (*Vigna unguiculata* spp. *Sesquipedalis*). The treatments included Fermented Plant Juice (FPJ), Fermented Fruit Juice (FFJ), Fish Amino Acid (FAA), and a control group (no fertilizer application).

The results revealed that FPJ exhibited the highest mean weight of harvested pods (33.57 g), while FFJ showed the highest mean number of pods per plant (2.09). In terms of leaf growth, the control group demonstrated the highest means for weekly leaf increments, final leaf length, and width. Statistical analysis indicated significant effects at a 5% level for initial leaf length but not for other parameters. These findings suggest that while FPJ and FFJ have distinct advantages in pod weight and number, further research is required to determine the optimal organic fertilizer for improving the growth and yield of yardlong beans.