

Malabana, J., et al., *Yield and Growth of Snap Beans (Phaseolus vulgaris) Using Different Levels of Indigenous Microorganisms (IMO)* Research and Development. Diploma in Agricultural Technology. Quezon National Agricultural School. December 2022.

The study was conducted at Quezon National Agricultural School, Pagbilao, Quezon, from August to December 2022, to evaluate the effects of different levels of Indigenous Microorganisms (IMO) on the yield and growth performance of snap beans (*Phaseolus vulgaris*). The treatments included IMO levels of 15 ml, 20 ml, and 25 ml diluted in 1 liter of water, and a control group (no IMO application).

The findings revealed that the application of 25 ml of IMO resulted in the highest mean number of pods per plant (20.71) and exhibited significant effects on pod yield at a 5% level of significance. In terms of pod weight, 15 ml of IMO yielded the highest mean weight (116.28 g), though statistical analysis indicated no significant effects across treatments. Meanwhile, the control treatment showed the longest mean leaf length (7.08 cm). The results suggest that 25 ml of IMO is optimal for enhancing pod production, highlighting the potential benefits of IMO as an organic farming input.