# *RESPONSE OF GROWTH AND PRODUCTION OF GREEN NUTS (Vigna radiata L.) TO CONCENTRATION AND INTERVAL OF POC APPLICATION OF PINEAPPLE SKIN*

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## *ABSTRACT*

*Green bean production in Indonesia from year to year continues to fluctuate. This is due to low production and productivity that has not been maximized. Therefore, it is necessary to increase the growth and yield of green beans by fertilization using POC from pineapple peel with attention to concentration and interval. This study aims to assess the growth and production of green beans to the concentration and interval of pineapple peel POC. The research was carried out on the Land of Lake Toba Road 7, Sumbersari District, Jember Regency from September to January 2023. The experiment was designed using a randomized design of factorial groups consisting of 2 factors and 3 replications. The concentration factor consists of 4 levels, namely control, 75 ml/water, 150 ml/water, and 225 ml/water, while the interval factor consists of 3 levels, namely 5 days, 10 days, and 15 days. Based on the research that has been carried out, it was found that there was no interaction in the treatment of concentration and interval in all observation variables. Interval treatment is also not significantly different in all observation variables. Concentration treatment significantly different to the variable plant height, number of pods per plant, dry pod weight per plant and plot, dry seed weight per plant and plot. Thus, significantly the concentration of 150 ml / water is able to optimize the growth and production of green beans.*

***Keywords****: concentration, green beans, interval, search for organic fertilize*