

**RESPONSE OF GROWTH AND YIELD ON PAGODA MUSTARD PLANT
(*Brassica Narinosa* L.) WITH VARIOUS DOSES OF EGGSHELL
POWDER AND FREQUENCY OF RABBIT URINE LIQUID ORGANIC
FERTILIZER**

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ABSTRACT

Pagoda mustard greens are a variety of mustard greens that have a unique and beautiful shape, besides that it tastes crunchy and is rich in nutrition. This research aims to determine the best dose of eggshell powder and rabbit urine LOF concentration for the growth and yield of pagoda mustard greens. Factorial (3 x 3) + 1 research method, prepared using a Complete Randomized Block Design (RAKL). The first factor is the dose of eggshell powder 20 g/plant, 40 g/plant, 60 g/plant. The second factor is the rabbit urine LOF concentration of 10 ml/L, 20 ml/L, and 30 ml/L. The analysis used a 5% level of variance and was further tested by the Duncan Multiple Range Test (DMRT) at a 5% level. To compare the treatment with the control, an orthogonal contrast test was carried out. The results of the research showed that there was an interaction between the dose of eggshell powder of 60 g/plant and the rabbit urine LOF concentration of 30 ml/L on the parameters of plant height at 35 DAT, plant fresh weight, and economic weight. Giving eggshell powder 60 g/plant gave the best results in the parameters of plant height (14, 21, 28 DAP), number of leaves (14, 21, 28 DAP), leaf area, leaf growth rate 21 - 28 DAP and 28 - 35 DAP, crop diameter and root length. Treatment with a rabbit urine LOF concentration of 30 ml/L gave significantly better results in the parameters of plant height (14, 21, and 28 DAP), number of leaves (14, 21, and 28 DAT), leaf area, crop diameter, and root length.

Key words: Egg shell powder, Rabbit urine liquid organic fertilizer, Pagoda mustard greens.