

Aplikasi Urine Kelinci dan Waktu Panen Terhadap Hasil dan Mutu Benih Kacang Panjang (*Vigna sinensis* L.) *The Application of Rabbit Urine and Harvesting Time on the Yield to result and Quality of long Bean Seeds (*Vigna sinensis* L.)* Supervisor: Ir. Sri Rahayu, MP.

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ABSTRACT

Long beans are one of the common vegetables found in Indonesia and have been cultivated by farmers for a long time. One of the challenges faced by farmers is the lack of interest in using organic materials. Currently, the application of organic farming is still limited to horticultural crops, including long beans. The production of long beans has increased recently, and therefore, the cultivation techniques applied to achieve good yields cannot be separated from proper cultivation practices. This study aims to determine the interaction between the application of rabbit urine and harvesting time on the yield and quality of long bean seeds. The study adopts a randomized complete block design (RCBD) factorial. The first factor is the treatment of rabbit urine application with 2 levels, and the second factor is the harvesting time with 3 levels. Each treatment is replicated 4 times, resulting in a total of 24 experimental units. The results of this study, based on the analysis and discussion, indicate that the application of rabbit urine at a rate of 100 ml/l significantly affects the pod length with an average of 56.67 cm and the number of pods per plant with an average of 5.19 pods. The harvesting time at 44 days after planting (DAP) significantly influences the seed weight per pod (1.31 grams) and germination percentage with an average of 85.88%. It also significantly affects the seed weight per plant (6.62 grams), production per hectare with an average of 220.58 kg, and 1000-seed weight with an average of 139.67 grams. There was no interaction between the application of rabbit urine and harvesting time. Observation parameters showing significant differences were further tested using the DMRT Test with an of 5% level.

Keywords : *Long Beans, Application of Rabbit Urine, Harvesting Time*