

Aplikasi Dosis dan Interval Pupuk NPK Terhadap Produksi dan Mutu Benih Sawi (*Brassica juncea* L.) *Application of NPK Fertilizer Dosage and Interval on Production and Quality of Mustard Seed (*Brassica juncea* L).* Supervisor Ir. Sri Rahayu, MP.

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ABSTRACT

Mustard plants are short-lived vegetables and are widely consumed, so to produce mustard plants, quality seeds are needed. Efforts to produce superior seeds, with the right dose and time of fertilization. The purpose of this study was to determine the dose of NPK fertilizer with time intervals on the production and quality of mustard seeds. The research was carried out from March 2021 to May 2021 in Sukorambi Village, Sukorambi District, Jember Regency. Using factorial Randomized Block Design (RAK) with 3 replications. The first factor is the dose of NPK fertilizer consisting of 4.5gr, 7gr, and 9.5gr. The second factor is the interval consisting of 14 DAP, 19 DAP, and 24 DAP. The data were analyzed using the F test (ANOVA) and continued with the DMRT test with an error rate of 5%. The results showed that the dose of NPK fertilizer gave very significantly different results, the parameter of the number of stalks per treatment plant was 7gr with the highest average of 6.44 pieces, 7gr treatment germination parameter with the highest average of 87.64%, 7gr treatment growth speed parameter with the highest average of 10.96%, the simultaneous growth parameter of 7gr treatment with the highest average 87.03%. The interval treatment gave results that were not significantly different (ns) for all observation parameters. The two treatments gave insignificantly different results (ns) for all observation parameters.

Key word: *Fertilizer, Mustard, Intervals*