

**Pengaruh Cara Pemupukan dan Penambahan Pupuk MKP Terhadap Produksi dan Mutu Benih Kacang Hijau (*Vigna radiata* L.).** (*The Effect of Fertilization Methods and Addition of MKP Fertilizer on the Production and Quality of Mung Bean Seeds*) Supervised by Ir. M. Bintoro, MP.

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***ABSTRACT***

*The research aims to determine the effect of fertilisation methods and the addition of Mono Kalium Phosphate (MKP) fertiliser on the production and quality of mung bean seeds (*Vigna radiata* L.) was carried out in September-December 2023, at the research field in Gunungsari Village, Umbulsari District, Jember Regency and Seed Laboratory of Jember State Polytechnic. This study used a factorial Randomised Block Design (RBD) consisting of two factors and repeated 4 times. The first factor is the fertiliser method (C) which consists of spraying (C1) and dribbling (C2). The second factor was MKP fertiliser concentration (K) consisting of 3 g/l (K1), 4.5 g/l (K2), and 6 g/l (K3). Data were analysed using ANOVA (Analysis of Variance) and further tested using DMRT. The results showed that the interaction of leaked fertiliser with MKP concentration of 6 g/l (C2K3) gave the highest results in the number of productive branches of (8.2 branches).*

***Key words: Mung Beans, Fertilizer Methods, MKP Fertilizer***