

***Dose Test of Cow Stall Fertilizer and Interval of Giving Local Microorganisms  
(MOL) of Banana Weevil for Plant Production  
Cowpeas (*Vigna unguiculata*)***

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**ABSTRACT**

*Increased production of cowpea that is tolerant of marginal soils can be used as a substitute for food staples. By giving a dose of cow manure combined with banana weevil mole, it is expected to increase the yield of cowpea. This study aims to determine the effect of cow manure dose and interval of application of banana weevil local microorganism for cowpea production. This research was carried out for 5 months from October 2020 to February 2021. The entire series of research activities was carried out in Sumberkalong Village, Wonosari District, Bondowoso Regency. This study used a factorial randomized block design (RBD) with 2 factors, namely the dose of manure and the interval of application of local banana weevil microorganisms with 9 combinations of treatments and 3 replications. The dose factor of cow manure consists of 3 levels, namely 0 Ton/ha, 15 Ton/ha, and 30 Ton/ha. While the banana weevil mole interval factor consisted of no application, every 7 days, and once every 14 days. The results showed that the dose of cow manure was not significantly different (NS) on all observation parameters. While the interval of banana weevil local microorganism showed no significant difference (NS) on all observation parameters. The interaction of the manure dose test and the interval of application of banana weevil local microorganism showed no significant difference (NS) on all parameters observed.*

**Keywords:** *Cowpea, Local Microorganism, Manure*