

***EFFECT OF QUAIL DROPPINGS BOKASHI FERTILIZER AND  
NPK FERTILIZER DOSAGE ON THE GROWTH AND  
PRODUCTION OF PEANUT PLANTS (*Arachis hypogaea* L.)***

*Supervised by Andarula Galushasti, S.ST., M.Tr.P.*

**Rina Dwi Cahyani**

*Study Program Food Crop Production Technology  
Department of Agricultural Production*

***ABSTRACT***

*Peanut productivity is still low due to improper fertilization and dependence on inorganic fertilizers that reduce soil quality. Quail droppings bokashi fertilizer improves soil conditions, and NPK fertilizer provides nutrients. This study was conducted to determine the effect of the application of bokashi fertilizer of quail manure and the dose of NPK fertilizer on the growth and production of peanut plants. The research was carried out from July to September 2025 in rice fields in Krajan Village, Slawu, Patrang District, Jember Regency. The experiment was designed using a factorial RAK consisting of two factors and three replicas. The first factor is quail droppings bokashi fertilizer consisting of 5 tons/ha, 10 tons/ha and 15 tons/ha, while the second factor is the dose of NPK fertilizer of 150 kg/ha, 200 kg/ha, and 250 kg/ha. The results showed that there was a treatment interaction between 5 tons/ha of quail manure bokashi fertilizer and a dose of NPK fertilizer of 150 kg/ha which had a significant effect on the weight of dry pods per sample (81.4 g), while the 5 tons/ha quail manure bokashi fertilizer with a dose of NPK fertilizer of 200 kg/ha on the weight of seeds per plot (986.33 g). The treatment of bokashi fertilizer of quail manure of 15 tons/ha had a significant effect on the weight of dry biomass (49.16 g), while the dose of 5 tons/ha had a significant effect on the weight of dry pods per plot (78.37 g). The treatment dose of NPK fertilizer of 150 kg/ha had a very noticeable effect on the height of plants aged 28 HST (12.29 cm), while the dose of NPK fertilizer of 200 kg/ha had a real effect on the weight of 100 seeds per plot (56.70 g).*

***Keywords :*** *peanuts, bokashi fertilizer, inorganic fertil*