

**Application of Bokashi and PPC Dosage of Maja Fruit on Growth  
and Production of Peanut (*Arachis hypogaea L.*)**

Supervised by Ir. Herlinawati, MP.

**Vivie Puji Firdaiva**

**Food Crops Production Technology Study Program**

**Agricultural Production Department**

**ABSTRACT**

The low productivity of peanuts can be caused by cultivation techniques such as less than optimal tillage, resulting in less friable soil and difficult gynophores to enter the soil, poor drainage and soil structure. This study aims to examine which dose of PPC maja fruit and bokashi dose are appropriate for the growth and production of peanut (*Arachis hypogaea L.*) in Bintoro Village, Patrang District, Jember Regency. It was carried out from February to June 2021. This study was designed using a two-factorial Randomized Block Design (RAK) with 4 replications, the first factor was the dose of Liquid Complementary Fertilizer (PPC) maja fruit and the second factor was the dose of bokashi. The first treatment consisted of 3 levels, namely 2000 ml, 2500 ml, and 3000 ml. The second factor consists of 3 levels, namely 20 tons/ha, 30 tons/ha, and 40 tons/ha. Observational data were analyzed using ANOVA, if the results were significantly different, further tests were carried out using DMRT at 5% level. The conclusion of the study was that the dose of Maja fruit and bokashi Liquid Complementary Fertilizer had a significant effect on the number of pods with a total of 49 pods per plant, wet seed weight weighing 49.5 grams per plant and dry seed weight weighing 42.5 per plant. Application of Liquid Complementary Fertilizer Maja fruit has a significant effect on the weight of the pods with a weight of 26.7 grams per plant, the weight of wet pods weighing 85 grams per plant and the number of pods with a total of 40 pods per plant. The application of bokashi had a significant effect on the body weight of 27 grams per plant and the weight of wet seeds with a weight of 44 grams per plant.

Keywords: Bokashi, Peanuts, Maja Fruit