

**Pengaruh Jarak Tanam dan Pembumbunan terhadap Produksi dan Mutu Benih Tanaman Kacang Tanah (*Arachis hypogaea* L.). *Effect of Planting Distance and Soil on Production and Seed Quality of Peanut (*Arachis hypogaea* L.)*** *Advisor*: Putri Santika, S.ST., M.Sc.

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### **ABSTRACT**

*Peanut (*Arachis hypogaea* L.) is a type of legume that is widely consumed by the people of Indonesia. The need for peanuts is increasing every year in line with the rate of increase in the birth rate in Indonesia. According to statistical results, peanut production in recent years has decreased so that it has not been able to meet the needs of peanuts. One of the efforts to increase production is by means of the effectiveness of the seed production method by spacing and planting treatments. This research was conducted to determine the effect of spacing and planting on the growth and yield of peanut seeds. The method used is a factorial Randomized Block Design (RAK) with two factors. The first factor is the spacing treatment (J) consisting of 3 levels, namely the spacing of 40 cm x 20 cm, spacing of 40 cm x 30 cm and spacing of 40 cm x 35 cm. The second factor is the hoarding treatment (P) consisting of 3 levels, namely without hoarding, hoarding a height of 20 cm and a height of 35 cm. The results of the variance showed that the spacing treatment had a significant effect on production per hectare. The hoarding treatment did not show a significant effect on all observation parameters. There was no interaction between the spacing of the plants and the hoarding. Planting distance of 40 cm x 20 cm is the best treatment for production observation parameters per hectare with an average of 5.46 tons per hectare.*

*Keywords : Peanuts, Planting distance, Soil piling*