

Aplikasi Air Kelapa dan Pupuk KNO₃ Terhadap Produksi Tanaman Kacang Tanah (*Arachis hypogaea* L.) *Application Of Coconut Water And KNO₃ Fertilier On The Yield Of Peanut Plant (*Arachis hypogaea* L.)*

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ABSTRACT

*Taufik Faturrohman. Damanhuri. Muqwin Asyim. Application of coconut water and KNO₃ Fertilier on the yield of peanut plant (*Arachis hypogaea* L.) Research about “Application of coconut water and KNO₃ Fertilier on the yield of peanut plant (*Arachis hypogaea* L.)” was aimed to know the optimal concentration of coconut water and KNO₃ Fertilizer to the growth and yield of peanut plant. This research was conducted at practical area of Jember state politechnique. This research was conducted 4 month from November 2014 until February 2015. The experimental design that was used in this research is randomized block design (RBD) used 2 factors with 3 repetition. First factor is the coconout water (A) that is coconut water 0 ml/L (A1), 250 ml/L (A2), and 500 ml/L (A3). Second factor is KNO₃ fertilizer that is KNO₃ (K) that is KNO₃ fertilizer 0 gr/L, 5 gr/L, 10 gr/L and 15 gr/L. Result of this research shows that coconut water treatment 500 ml/L give the fastest result on the parameter of plant growth height 30 and 60 day after planting, treatment of KNO₃ fertilizer with consentration as much as 10 gr/l and treatment 250 ml/L and 10 gr/L give the fastest growth on the branch at 45 and 60 day after planting, and the treatment of coconut water 250 ml/L and 5 gr/L give the best yield on the parameter of pod production so that can be conclude that coconut water and KNO₃ fertilizer can be used as the supplement nutrition on the peanut plant cultivaton.*

Keyword ; coconut water, KNO₃ fertilizer, peanut