UTILIZATION OF PAITAN LEAF EXTRACT (Tithonia diversifolia) AND RABBIT URINE AGAINST PEANUT PRODUCTION (Arachis hypogea L.) OF TUBAN VARIETIES.

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ABSTRACT

This research aims to ***Utilization of Paitan Leaf Extract (Tithonia Diversifolia) and Rabbit Urine Against Peanut Production (Arachis Hypogea L.) of Tuban Varieties*** *to determine the concentration of liquid organic fertilizer from paitan leaves and an appropriate dose of rabbit urine on the production factors of the Peanuts (Arachis Hypogea L.) Varieties of Tuban. The study was conducted for 4 months, starting from October 2018 until February 2019 at the State Polytechnic Research Site of Jember with an altitude of ± 89 meters above sea level. This final assignment research was conducted using factorial Random Block Design (RBD) consisting of 2 treatment factors with 3 replication. The first factor is the concentration of liquid organic fertilizer paitan leaves: 0 gr / liter of paitan leaves, 400 gr / liter of paitan leaves, 600 gr / liter of leaf paitan, and 800 gr / liter of leaf paitan . The second factor is the urine dose of rabbits: 0 ml / plant, 30 ml / plant, and 50 ml / plant. Observations were made on the variables of plant height, number of branches, number of gynophores, the weight of wet pods, number of pods, weight of dry pods, and weight of dry seeds. The results showed that the number of gino for significantly different (high significant) on the interaction of concentration of liquid organic fertilizer paitan leaves and urine dose of rabbits, and other treatments showed different results were not significant (non significant), so it can be concluded that when the concentration of liquid organic fertilizer leaves the association and dosage of rabbit urine are less effective against peanut production.*

***Keywords** : Paitan leaves, urine of rabbits, Peanut.*