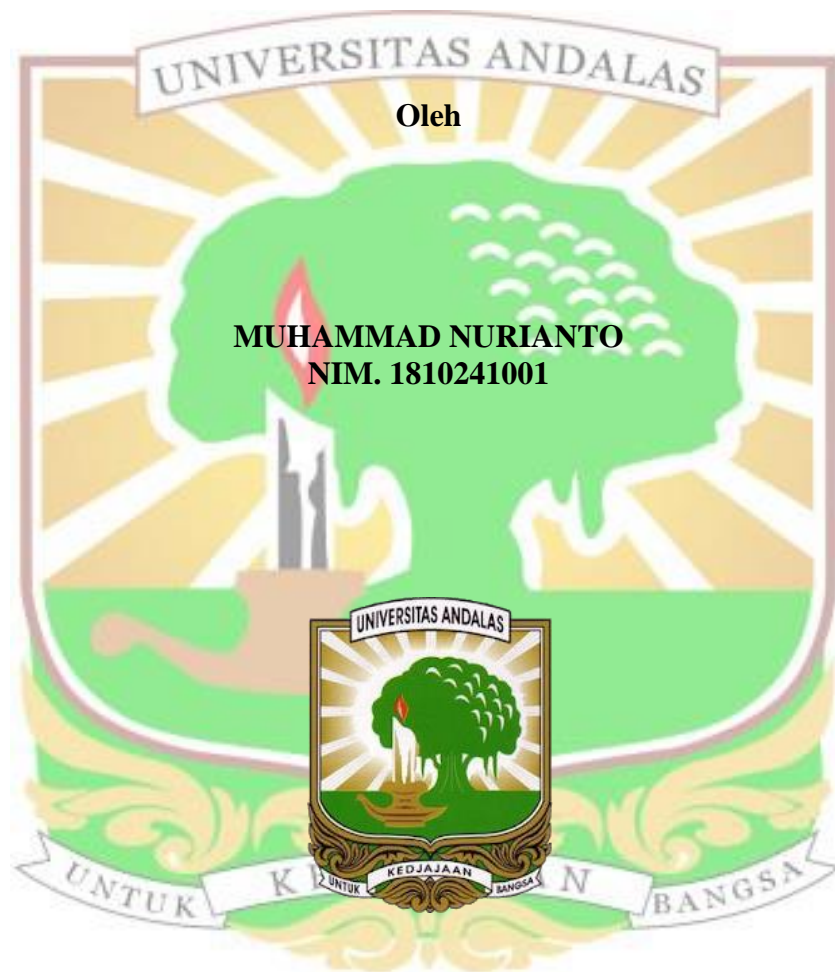


**PENGARUH APLIKASI PUPUK ORGANIK CAIR BONGGOL  
PISANG KEPOK (*Musa Acuminate L.*) TERHADAP  
PERTUMBUHAN BIBIT AREN (*Arenga pinnata Merr.*)**

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## **ABSTRAK**

Penelitian tentang Pengaruh Aplikasi Pupuk Organik Cair Bonggol Pisang Kepok (*Musa acuminata L.*) terhadap Pertumbuhan Bibit Aren (*Arenga Pinnata Merr.*) telah dilakukan di kebun percobaan kampus III Universitas Andalas Dharmasraya dari bulan Maret 2023 hingga Juni 2023, yang bertujuan untuk mengetahui pengaruh dari aplikasi pupuk organik cair bonggol pisang kepok terhadap pertumbuhan bibit aren dan berapakah dosis pupuk organik cair bonggol pisang kepok yang terbaik untuk pertumbuhan bibit aren. Penelitian ini dirancang menurut Rancangan Acak Lengkap (RAL) yang terdiri dari 5 perlakuan dan diulang sebanyak 5 kali, sehingga diperoleh 25 satuan percobaan yang keseluruhannya dijadikan tanaman sampel. Dosis pertama 0 ml/600 ml air, 200 ml /600 ml air, 300 ml/600 ml air, 400 ml /600 ml air, 500 ml/600 ml air. Variabel yang diamati yaitu tinggi bibit, diameter batang, jumlah daun (helai), panjang daun, lebar daun, panjang akar, rasio tajuk akar. Data hasil pengamatan di analisis dengan uji F jika berbeda nyata dilanjutkan dengan uji Duncan's New Multiple Range Test (DMRT) pada taraf nyata 5%. Hasil penelitian menunjukkan pemberian pupuk organik cair bonggol pisang kepok memberikan pengaruh terhadap pertumbuhan bibit aren, yaitu pada peubah tinggi bibit, diameter batang, jumlah daun, dan rasio tajuk akar. Dosis yang terbaik pupuk organik bonggol pisang kepok adalah 300 ml/600 ml air untuk menunjang pertumbuhan bibit aren.

Kata kunci : Bibit aren, pupuk organik cair bonggol pisang kepok



**THE EFFECT OF APPLICATION OF LIQUID ORGANIC  
FERTILIZER FROM KEPOK BANANA  
HUMP (*Musa acuminata* L.) ON THE GROWTH  
PALM SEEDLINGS (*Arenga pinnata* Merr.)**

**ABSTRACT**

Research on the Effect Of Application Of Kepok Banana Weevil Organic Fertilizer (*Musa acuminata* L.) on the Growth Palm Seedlings (*Arenga pinnata* Merr.) was carried out in the experimental garden at Campus III Andalas Dharmasraya University from March 2023 to June 2023. With the to aim determine the effect of the application liquid fertilizer from kepok banana humps on the growth of sugar palm seedlings and what is the best dose of liquid for kepok banana hump for the growth of sugar palm seedlings. This study was designed according to a Completely Randomizid Design (CRD) which consisted of 5 treataments and was repeated 5 times, so that 25 experimental units were obtained, all of which used as sample planst. First dose 0 ml/600 ml water, 200 ml/600 ml water, 300 ml/600 ml water, 400 ml/600 ml water, 500 ml/600 ml water. The variable observed was seed height, stem diameter, number of leaves (strands), leaf length, leaf density, root length, root crown ratio. The observation data was analyzed using the F test and if significantly different, it was continued with Duncan's New Multiple Range Test (DMRT) at a significance level of 5%. The result of the research showed that the application of liquid organic fertilizer from kepok banana humps had an influence on the growth of sugar palm seedlings, namely the variables of seed height, stem diameter, number of leaves, and root crown ratio. The best dose of liquid organic fertilizer for kepok banana humps is 300 ml/600 ml water to support the growth of sugar palm seeds.

Keywords: Sugar palm seeds, kepok banana hump liquid organic fertilizer

