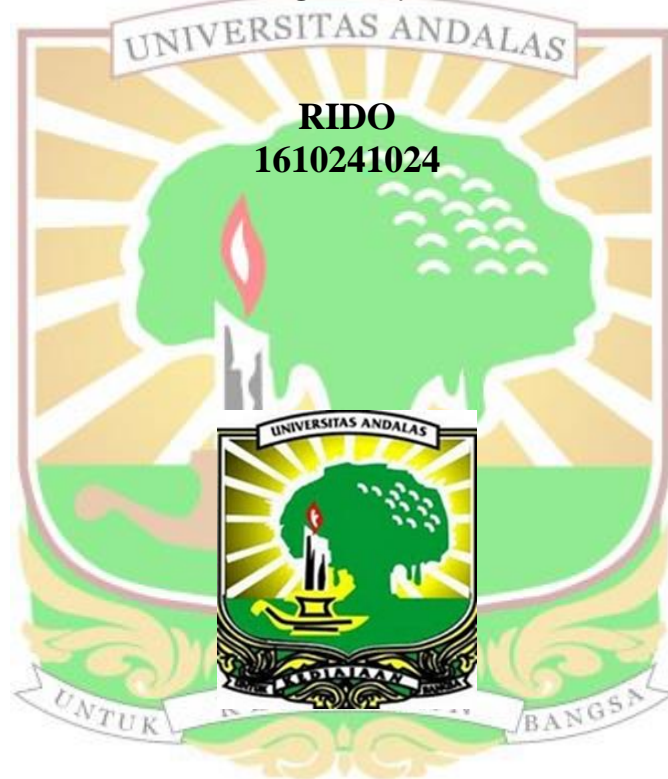


**PENGARUH PEMBERIAN KOMPOS ECENG GONDOK TERHADAP  
PERTUMBUHAN BIBIT KAKAO  
(*Theobroma cacao* L.)**

**SKRIPSI**

**OLEH:**



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**FAKULTAS PERTANIAN  
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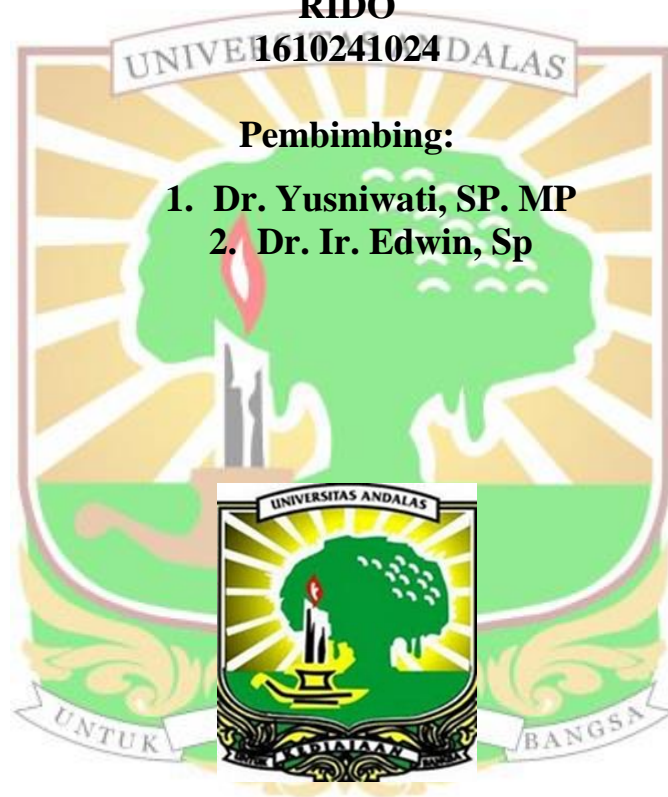
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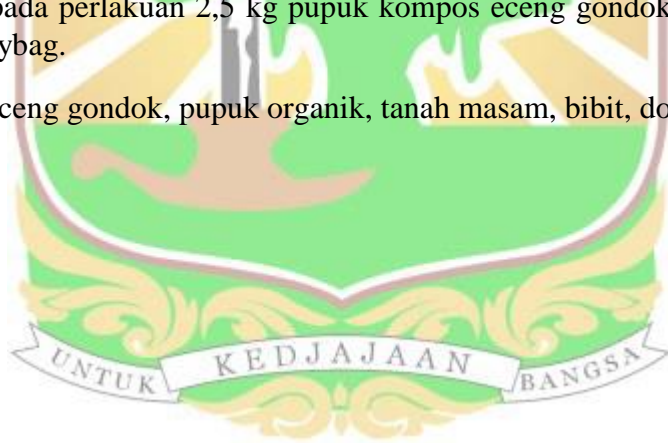
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# PENGARUH PEMBERIAN KOMPOS ECENG GONDOK TERHADAP PERTUMBUHAN BIBIT KAKAO (*Theobroma cacao* L.)

## Abstrak

Produksi tanaman kakao sangat berkaitan erat dengan pelaksanaan teknik budidaya dan kualitas bibit. Pembibitan kakao mempunyai peranan penting untuk menghasilkan bibit dengan kuantitas yang cukup dan disertai kualitas bibit yang bermutu. Hal tersebut dapat dicapai dengan menyediakan media tanam yang baik/subur untuk menunjang pertumbuhan bibit, salah satunya dengan pemberian kompos eceng gondok yang ketersediannya melimpah. Penelitian ini bertujuan untuk menentukan dosis kompos eceng gondok yang dapat memberikan hasil terbaik terhadap pertumbuhan bibit kakao (*Theobroma cacao* L.). Percobaan disusun menurut Rancangan Acak Lengkap (RAL) dengan 4 perlakuan yang diulang 6 kali. Data hasil pengamatan dianalisis dengan uji F pada taraf 5% dan jika data berbeda nyata dilanjutkan dengan *Duncan's New Multiple Range Test* (DNMRT) pada taraf 5%. Hasil penelitian menunjukkan bahwa kompos eceng gondok memberikan pengaruh terhadap pertumbuhan bibit kakao terutama pada variabel tinggi tanaman, diameter batang, jumlah daun dan rasio tajuk akar. Dosis terbaik yaitu pada perlakuan 2,5 kg pupuk kompos eceng gondok + 2,5 kg tanah inceptisol /polybag.

Kata kunci: Eceng gondok, pupuk organik, tanah masam, bibit, dosis.



# THE EFFECT OF GIVING DOWNTOWN COMPOST ON THE GROWTH OF CACAO (*Theobroma cacao* L.) SEEDLINGS

## Abstract

Cacao production is closely related with the implementation of cultivation techniques and seed quality. Cacao nurseries have an important role to producing seeds in sufficient quantity and quality seedlings. It is can be achieved by providing good/fertile planting medium to support seedling growth, such as by providing water hyacinth compost which is abundant in availability. The objective of the present study was to determine the dosage of water hyacinth compost that gives the best results on the growth of cacao (*Theobroma cacao* L.) seedlings. This research was arranged according to a completely randomized design (CRD) consisted of 4 treatments repeated 6 times. The observed data were analyzed by the F test at 5% level and if the data were significantly different, it was continued by Duncan's New Mutliple Range Test (DNMRT) at 5% level significantly. The results showed that water hyacinth compost gives an effect on the growth of cacao seedlings, especially on the variables of plant height, stem diameter, number of leaves and shoot root ratio. The best dose of it is the treatment of 2.5 kg of water hyacinth compost + 2.5 kg of inceptisol soil / polybag.

Key words: Water hyacinth, organic fertilizer, acid soil, seeds, dosage.

