

PENGARUH PEMBERIAN BOKASHI KOTORAN AYAM TERHADAP PERTUMBUHAN BIBIT KAKAO (*Theobroma cacao* L.) KLON ICCRI 08H DI POLYBAG

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ABSTRAK

Penelitian ini dilaksanakan dengan tujuan untuk mengkaji Pengaruh Pemberian Bokashi Kotoran Ayam Terhadap Pertumbuhan Bibit Kakao (*Theobroma cacao* L.) Klon ICCRI 08H Di Polybag. Penelitian ini dilakukan di *Teaching and Research Farm* Fakultas Pertanian, Universitas Jambi selama 3 bulan (Juni – Agustus 2024) menggunakan rancangan percobaan Rancangan Acak Lengkap (RAL) dengan 6 perlakuan, yaitu Tanpa Bokashi Kotoran Ayam (Pupuk Anorganik 50% dosis anjuran), Bokashi Kotoran Ayam 100 g/polybag + Pupuk Anorganik 50% dosis anjuran, Bokashi Kotoran Ayam 150 g/polybag + Pupuk Anorganik 50% dosis anjuran, Bokashi Kotoran Ayam 200 g/polybag + Pupuk Anorganik 50% dosis anjuran, Bokashi Kotoran Ayam 250 g/polybag + Pupuk Anorganik 50% dosis anjuran, Bokashi Kotoran Ayam 300 g/polybag + Pupuk Anorganik 50% dosis anjuran. Data yang diperoleh dianalisis menggunakan analisis ragam dan dilanjutkan dengan uji *Duncan's Multiple Range Test* (DMRT) taraf = 5%. Berdasarkan hasil penelitian menunjukkan bahwa pemberian bokashi kotoran ayam dapat meningkatkan pertumbuhan bibit kakao pada variabel tinggi bibit, diameter batang, jumlah daun, luas daun total, dan bobot kering tanaman dengan dosis terbaik 250 g/polybag + Pupuk Anorganik 50% dosis anjuran.

Kata kunci : Bibit Kakao, Bokashi Kotoran Ayam, Pertumbuhan

THE EFFECT OF GIVING CHICKEN DUNG BOKASHI ON THE GROWTH OF CACAO SEEDLINGS (*Theobroma cacao* L.) CLONE ICCRI 08H IN POLYBAGS

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ABSTRACT

This research was carried out with the aim of examining the effect of giving Bokashi chicken manure on the growth of cocoa seedlings (*Theobroma cacao* L.) Clone ICCRI 08H in polybags. This research was conducted at the Teaching and Research Farm, Faculty of Agriculture, University of Jambi for 3 months (June - August 2024) using a Completely Randomized Design (CRD) experimental design with 6 treatments, namely Without Chicken Manure Bokashi (Inorganic Fertilizer 50% recommended dose), Chicken Manure Bokashi 100 g/polybag + Inorganic Fertilizer 50% recommended dose, Chicken Manure Bokashi 150 g/polybag + Inorganic Fertilizer 50% recommended dose, Chicken Manure Bokashi 200 g/polybag + Inorganic Fertilizer 50% recommended dose, Chicken Manure Bokashi 250 g/polybag + Inorganic Fertilizer 50% recommended dose, Chicken Manure Bokashi 300 g/polybag + Inorganic Fertilizer 50% recommended dose. The data obtained were analyzed using analysis of variance and continued with the *Duncan's Multiple Range Test* (DMRT) level = 5%. Based on the research results, it shows that the provision of chicken manure bokashi can increase the growth of cocoa seedlings in the variables of seedling height, stem diameter, number of leaves, total leaf area, and dry weight of plants with the best dose of 250 g/polybag + 50% recommended dose of inorganic fertilizer.

Keywords : Cocoa Seeds, Chicken Manure Bokashi, Growth