

# **“PENGARUH DOSIS KOMPOS PAITAN (*Tithonia diversifolia*) TERHADAP PERTUMBUHAN BIBIT KAKAO”**

## **INTISARI**

Penelitian ini bertujuan untuk mengetahui pengaruh dosis kompos paitan (*Tithonia diversifolia*) terhadap pertumbuhan bibit kakao dan dosis yang tepat untuk pertumbuhan bibit kakao. Penelitian dilaksanakan di Screen House Fakultas Agroindustri Universitas Mercu Buana Yogyakarta pada bulan Agustus – November 2022. Rancangan penelitian yang digunakan adalah Rancangan Acak Lengkap yang terdiri dari 4 aras perlakuan dan 3 ulangan. Perlakuan yang digunakan yaitu tanpa pemberian kompos, pemberian kompos 31,25 g/tanaman, pemberian kompos 62,50 g/tanaman dan 93,75 g/tanaman. Variabel yang diamati meliputi tinggi tanaman, diameter batang, jumlah daun, bobot segar tanaman, volume akar dan bobot kering tanaman. Hasil penelitian menunjukkan bahwa pemberian berbagai dosis kompos paitan tidak berpengaruh nyata terhadap pertumbuhan bibit kakao. Kompos paitan dengan dosis 31,25 g/tanaman, 62,50 g/tanaman dan 93,75 g/tanaman belum mampu meningkatkan pertumbuhan bibit kakao.

Kata kunci : Dosis, Kompos Paitan, dan Bibit Kakao

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### **ABSTRACT**

This study aims to determine the effect of the dose of mexican sunflower compost (*Tithonia diversifolia*) on the growth of cocoa seedlings and the appropriate dose for the growth of cocoa seedlings. The research was conducted at the Screen House of the Faculty of Agroindustry, University of Mercu Buana Yogyakarta in August – November 2022. The research design used was a Complete Randomized Design consisting of 4 treatment levels and 3 replications. The treatment used was without compost, giving compost 31.25 g / plant, compost 62.50 g / plant and 93.75 g / plant. Observed were variables plant height, stem diameter, number of leaves, plant fresh weight, root volume and plant dry weight. The results showed that the administration of various doses of mexican sunflower compost had not significant effect on the growth of cocoa seedlings. Compost of mexican sunflower at a dose of 31.25 g/plant, 62.50 g/plant and 93.75 g/plant has not been able to increase the growth of cocoa seedlings.

*Keywords : Doses, Paitan Compost, and Cocoa Seeds*