

Misyka Az Zujaja Asy Syaukati. NIM 220311100124. Respon Pertumbuhan dan Hasil Tanaman Tapak Liman (*Elephantopus scaber* L.) pada Berbagai Kombinasi Media Tanam. Dibawah bimbingan Dr. Diana Nursholehah, S. Farm., Apt., M.Si. dan Dr. Mustika Tripatmasari, S.P., M.Si.

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### ABSTRAK

Penelitian ini bertujuan untuk menentukan komposisi media tanam yang terdiri dari tanah, arang sekam, kompos dan pupuk kandang kambing yang tepat terhadap peningkatan pertumbuhan dan hasil tanaman tapak liman. Penelitian ini dilaksanakan pada bulan Desember 2025 – Maret 2026. Penelitian ini bertempat di lahan Agroekoteknologi (belakang fisib) dan Laboratorium Produksi Tanaman, Fakultas Pertanian, Universitas Trunodjoyo Madura. Penelitian menggunakan rancangan acak kelompok (RAK) non-faktorial yang terdiri atas 5 perlakuan yaitu M0 (100% tanah), M1 (1 : 1) tanah + pupuk kandang kambing, M2 (2 : 1) tanah + pupuk kandang kambing, M3 (1 : 1 : 1) tanah + arang sekam + pupuk kandang kambing), M4 (2 : 1 : 1) tanah + arang sekam + pupuk kandang kambing). Hasil terbaik dari parameter luas daun ada pada perlakuan M0, panjang tanaman ada pada perlakuan M4, panjang akar ada pada perlakuan M4, bobot basah daun ada pada perlakuan M1, bobot basah akar ada pada perlakuan M4.

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Kata Kunci: Tapak Liman, Komposisi media tanam, Tanah, Pupuk Kandang Kambing, Arang sekam.

Misyka Az Zujaja Asy Syaukati. NIM 220311100124. *Growth and Yield Response of Tapak Liman (Elephantopus scaber L.) Plants to Various Combinations of Planting Media. Under the guidance of. Supervised by Dr. Diana Nurus Sholehah, S. Farm., Apt., M.Si. and Dr. Mustika Tripatmasari, S.P., M.Si.*

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### **ABSTRACT**

This study aims to determine the composition of planting media consisting of soil, rice husk charcoal, compost and goat manure that is appropriate for increasing the growth and yield of tapak liman plants. This study was conducted in December 2025 - March 2026. This study took place in the Agroecotechnology field (behind the physical sciences) and the Plant Production Laboratory, Faculty of Agriculture, Trunojoyo University, Madura. A randomized block design (non-Factorial) will be employed, comprising five treatments : M0 (100% soil), M1 (1:1 soil + goat manure), M2 (2:1 soil + goat manure), M3 (1:1:1 soil + rice husk charcoal + goat manure), M4 (2:1:1 soil + rice husk charcoal + goat manure). Preliminary result indicate that the best performance for leaf area was observed in treatment M4, while the highest leaf fresh weight was found in treatment M1, and the highest root fresh weight was recorded in treatment M4.

Keywords: Tapak Liman, Planting media composition, Soil, Goat manure, Husk charcoal.