

M. Maspor. NIM 200311100096. Pengaruh Kombinasi Tanah dan Pupuk Kandang sebagai Media Tanam terhadap Pertumbuhan dan Hasil Panen Bayam Hijau (*Amaranthus hybridus* L.) di Polybag. Dibimbing oleh : Choirul Umam S.TP., MT dan Dr.Ir. Gita Pawana, M.Si.

ABSTRAK

Bayam hijau banyak digemari masyarakat Indonesia karena memiliki banyak khasiat seperti sumber vitamin A, B dan C, protein, lemak, amaratin, serta mineral-mineral yang penting bagi tubuh. Media tanam, tempat melekatnya akar serta penyedia unsur hara bagi tanaman, menjadi faktor penting dalam mendukung pertumbuhan tanaman. Penelitian ini bertujuan mengetahui pengaruh kombinasi media tanam untuk meningkatkan pertumbuhan dan hasil panen tanaman bayam hijau. Penelitian ini dilakukan di Green House Universitas Trunojoyo Madura pada bulan Agustus – Oktober 2024. Perlakuan dalam penelitian disusun berdasarkan rancangan acak lengkap (RAL), terdiri atas 5 perlakuan, yaitu P0 (Kontrol (tanah saja 10 L), P1 (Tanah 8 L+ Pupuk Kandang Sapi 2 L)/ Polybag, P2 (Tanah 6 L + Pupuk Kandang Sapi 4 L)/ Polybag, P3 (Tanah 4 L + Pupuk Kandang Sapi 6 L) dan P4 (Tanah 2 L + pupuk Kandang Sapi 8 L). Setiap perlakuan diulang 5 kali . Data dianalisis dengan menggunakan analisis sidik ragam atau Analysis of Variance (ANOVA). Hasil penelitian menunjukkan bahwa media tanam berpengaruh nyata pada tinggi 79,47, jumlah daun 26,47, dan bobot kering 49,388. Perlakuan media (dua liter tanah + delapan liter pupuk kandang) memberikan hasil tertinggi sedangkan pupuk kandang memperlihatkan hasil terendah).

Kata Kunci : *Bayam, Madura, Media, Pupuk Kandang*

M. Maspor. NIM 200311100096. Effect of Combination of Soil and Manure as Planting Media on the Growth and Yield of Green Spinach (*Amaranthus hybridus* L.) In Polybag. Supervised by : Choirul Umam S.TP., MT dan Dr.Ir. Gita Pawana, M.Si.

ABSTRACT

Green spinach is popular among the Indonesian people because it has many properties such as a source of vitamins A, B and C, protein, fat, amaranth, and minerals that are important for the body. Planting media, where roots are attached and a provider of nutrients for plants, is an important factor in supporting plant growth. This study aims to determine the influence of a combination of planting media to increase the growth and yield of green spinach plants. This research was conducted at the Green House of Trunojoyo University Madura in August – October 2024. The treatments in the study were prepared based on a complete random design (RAL), consisting of 5 treatments, namely P0 (Control (soil only 10 L), P1 (Soil 8 L + Cow Manure 2 L)/ Polybag, P2 (Soil 6 L + Cow Manure 4 L)/ Polybag, P3 (Soil 4 L + Cow Manure 6 L) and P4 (Soil 2 L + Cow Manure 8 L). Each treatment is repeated 5 times. The data was analyzed using Analysis of Variance (ANOVA). The results of the study showed that the planting medium had a real effect on height 79,47, number of leaves 26,47, and dry weight 49,388. Media treatment (two liters of soil + eight liters of manure) gave the highest yield, while manure showed the lowest yield).

Keywords : *Animal Manure, Madura, Planting Medium, Spinach,*