

## ABSTRAK

Produksi bawang merah di Indonesia masih bersifat fluktuasi. Permintaan konsumsi bawang merah cenderung setiap saat namun bawang merah diproduksi secara semusim. Dengan demikian terjadi senggang waktu antara permintaan dan penyediaan bawang merah. Perlu dilakukan upaya peningkatan produksi bawang merah salah satunya melalui pemupukan dan komposisi media tanam yang tepat dan sesuai. Percobaan dilakukan di Kebun Percobaan Fakultas pertanian Universitas Muhammadiyah Jember pada bulan Mei-Maret 2020 menggunakan Rancangan Acak Kelompok Faktorial dengan 2 faktor dan 2 ulangan. Faktor pertama komposisi media tanam M0 = tanah, M1 = tanah + kompos, M2 = tanah + kompos + abu sekam. Faktor kedua penggunaan dosis pupuk majemuk P0 = 0 gram/tanaman, P1 = 1 gram/tanaman, P2 = 2 gram/tanaman, P3 = 3 gram/tanaman, P4 = 4 gram/tanaman. Parameter pengamatan berupa tinggi tanaman, jumlah daun, jumlah anakan, berat umbi dengan daun dan berat umbi tanpa daun. Hasil penelitian menunjukkan komposisi media tanam berpengaruh nyata terhadap berat umbi tanpa daun. Media tanam M0, M1 dan M2 saling berbeda nyata satu dengan lain dengan M0 sebagai komposisi terbaik. Pemberian berbagai dosis pupuk majemuk dan interaksi anatara keduanya tidak memberikan pengaruh nyata pada semua variabel pengamatan.

**Kata Kunci:** Media Tanam, Aplikasi, Dosis, Pupuk Majemuk, Bawang Merah



## ABSTRACT

*In Indonesia, the production of shallots are still fluctuating. The demand for shallot consumption tends to be all the time, but shallots are produced annually. There is a lag time between the demand and supply of shallots. The study aims to obtain composition planting media and various doses of compound fertilizer correctly and appropriately to increase growth and shallot production. The research was conducted in the Experimental Garden of Agriculture Faculty Universitas Muhammadiyah Jember from March to Mei 2020. The design used was Randomized Block Design (RBD) consist of two factors studied with two replications. The first factor is using composition planting media M0 = top soil, M1 = top soil + compost and M2 = top soil + compost + husk ash. The second factor is using various doses of compound fertilizer P0 = 0 gram/plant, P1 = 1 gram/plant, P2 = 2 gram/plant, P3 = 3 gram/plant and P4 = 4 gram/plant. Observation parameters included plant height, number of leaves, number of seedlings, tuber weight with leaf and tuber weight without leaf. The result of research that composition planting media has shown any significant effect on tuber weight without leaf. On composition planting media M0, M1 and M2 was significantly different one of each other with M0 as the best composition. Various doses of compound fertilizer and interaction between composition planting media and various doses of compound fertilizer was not have significant effect on all observation parameters.*

**Keywords:** *Planting Media, Application, Dose, Compound Fertilizer, Shallot*

