

ABSTRAK

PENGARUH KOMBINASI TAKARAN PUPUK KANDANG AYAM DAN PUPUK CAIR BONGGOL PISANG TERHADAP PERTUMBUHAN DAN HASIL PADA TANAMAN BAWANG MERAH (*Allium ascalonicum* L.)

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Ketersediaan bawang merah di pasar masih belum mencukupi salah satunya karena pengaruh kualitas tanah yang masih kurang maksimal untuk pertumbuhan bawang merah, maka dari itu perlu adanya perbaikan kualitas tanah di lahan yaitu dengan pemberian pupuk organik agar produktivitas bawang merah (*Allium ascalonicum* L.) lebih optimal. Pemberian pupuk kandang ayam serta pupuk cair bonggol pisang dapat memperbaiki kualitas tanah. Penelitian ini bertujuan untuk mengetahui kombinasi pupuk kandang ayam dan pupuk cair bonggol pisang yang berpengaruh baik bagi pertumbuhan dan hasil tanaman bawang merah. Penelitian ini dilaksanakan pada bulan Februari sampai April 2022, bertempat di Desa Waringin, Kecamatan Palasah, Kabupaten Majalengka. Penelitian ini menggunakan Rancangan Acak Kelompok (RAK) yang terdiri dari 7 perlakuan dan 4 kali ulangan. Perlakuan yang dicoba yaitu A = tanpa pupuk kandang ayam dan pupuk cair bonggol pisang (kontrol), B = pupuk kandang ayam 7,5 t/ha + pupuk cair bonggol pisang 1.000 L/ha, C = pupuk kandang ayam 7,5 t/ha + pupuk cair bonggol pisang 1.333 L/ha, D = pupuk kandang ayam 7,5 t/ha + pupuk cair bonggol pisang 1.666 L/ha, E = pupuk kandang ayam 7,5 t/ha + pupuk cair bonggol pisang 1.000 L/ha, F = pupuk kandang ayam 10 t/ha + pupuk cair bonggol pisang 1.333 L/ha, dan G = pupuk kandang ayam 10 t/ha + pupuk cair bonggol pisang 1.666 L/ha. Hasil penelitian menunjukkan bahwa kombinasi takaran pupuk kandang ayam dan pupuk cair bonggol pisang berpengaruh terhadap tinggi tanaman, jumlah daun per rumpun, jumlah umbi per rumpun, bobot umbi segar per rumpun dan bobot umbi kering per rumpun. Kombinasi takaran pupuk kandang ayam dan pupuk cair bonggol pisang 10 t/ha + 1.666 L/ha memberikan hasil paling baik, tetapi kombinasi takaran pupuk kandang ayam dan pupuk cair bonggol pisang tidak berpengaruh terhadap bobot umbi kering per petak dan konversinya ke hektar.

Kata kunci : pupuk cair bonggol pisang, , pupuk kandang ayam, bawang merah

ABSTRACT

COMBINATION EFFECT OF CHIKEN MANURE AND BANANA CORM LIQUID FERTILIZER DOSAGE ON GROWTH AND PRODUCTION OF SHALLOTS (*Allium ascalonicum* L)

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The availability of shallots in the market is still insufficient, one of which is due to the influence of soil quality which is still not optimal for shallot growth, therefore it is necessary to improve soil quality in the land by applying organic fertilizers so that shallot productivity (*Allium ascalonicum* L.) is more optimal. Giving chicken manure and banana poultry liquid fertilizer can improve soil quality. This study aimed to determine the combination of chicken manure and banana corm liquid fertilizer that has a good effect on the growth and yield of shallot plants. This research was conducted from February to April 2022, located in Waringin Village, Palasah District, Majalengka Regency. This study used a Randomized Block Design (RBD) consisting of 7 treatments and 4 replications. The treatments were A = without chicken manure and banana corm liquid fertilizer (control), B = 7.5 t/ha chicken manure + 1.000 L/ha banana corm liquid fertilizer, C = 7.5 t/ha chicken manure + 1.333 L/ha banana corm liquid fertilizer, D = 7.5 t/ha chicken manure + 1.666 L/ha banana corm liquid fertilizer, E = chicken manure 7.5 t/ha + banana corm liquid fertilizer 1.000 L/ha, F = chicken manure 10 t/ha + banana corm liquid fertilizer 1.333 L/ha, and G = chicken manure 10 t/ha + banana corm liquid fertilizer 1.666 L/ha. The results showed that the combination of dosage of chicken manure and banana corm liquid fertilizer showed an effect on the parameters of plant height, number of leaves per grove, number of tubers per grove, fresh weight tuber per grove and dry weight tuber per grove. The combination of 10 t/ha + 1.666 L/ha of chicken manure and banana corm liquid fertilizer gave the best results, but the combination of chicken manure and banana corm liquid fertilizer did not affect the dry tuber weight per plot and its conversion to hectares.

Keywords: banana corm liquid fertilizer, chicken manure, shallots