

ABSTRAK

PENGARUH KOMBINASI TAKARAN PUPUK KASGOT DAN PUPUK NPK TERHADAP PERTUMBUHAN DAN HASIL BAWANG MERAH (*Allium ascalonicum* L.)

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Salah satu upaya untuk meningkatkan produktivitas bawang merah (*Allium ascalonicum* L.) yaitu melalui pemupukan berimbang menggunakan pupuk kasgot dan pupuk NPK. Penelitian ini bertujuan mengetahui pengaruh kombinasi takaran pupuk kasgot dan pupuk NPK terhadap pertumbuhan dan hasil bawang merah serta mengetahui kombinasi takaran pupuk kasgot dan pupuk NPK yang berpengaruh paling baik terhadap pertumbuhan dan hasil bawang merah. Penelitian ini menggunakan Rancangan Acak Kelompok (RAK) yang terdiri dari 6 perlakuan dan 4 ulangan yaitu A = 30 T/ha Kasgot, B = 500 kg/ha pupuk NPK, C = 15 T/ha Kasgot + 250 kg/ha pupuk NPK, D = 15 T/ha Kasgot + 375 kg/ha pupuk NPK, E = 22,5 T/ha Kasgot + 250 kg/ha pupuk NPK, F = 22,5 T/ha Kasgot + 375 kg/ha pupuk NPK. Pengamatan dilaksanakan pada umur 14 HST, 28 HST dan 42 HST. Hasil penelitian menunjukkan bahwa perlakuan kasgot dan NPK berpengaruh terhadap tinggi tanaman, jumlah anakan, diameter umbi, bobot umbi per umbi, berat umbi kering per rumpun, bobot umbi per petak dan bobot umbi per hektar serta didapatkan kombinasi pupuk kasgot 22,5 T/ha dan NPK 250 kg/ha merupakan perlakuan kombinasi yang berpengaruh paling baik terhadap pertumbuhan dan hasil bawang merah.

Kata kunci: bawang merah, pupuk kasgot, pupuk NPK, pertumbuhan dan hasil

ABSTRACT

EFFECT OF A COMBINATION OF BSF LARVAE FRASS FERTILIZER RATE AND NPK FERTILIZER ON THE GROWTH AND YIELD OF SHALLOTS (*Allium ascalonicum* L.)

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One of the efforts to increase shallot productivity (*Allium ascalonicum* L.) is through balanced fertilization using of Black Soldier Fly (BSF) larvae frass fertilizer and NPK fertilizer. This study aims to determine the effect of a combination of doses of maggot fertilizer and NPK fertilizer on the growth and yield of shallots and to determine the combination of maggot fertilizer doses and NPK fertilizer that has the best effect on the growth and yield of shallots. This study used a Randomized Block Design (RBD) consisting of 6 treatments and 4 replications, namely A = 30 T/ha BSF larvae frass, B = 500 kg/ha NPK fertilizer, C = 15 T/ha BSF larvae frass + 250 kg/ha NPK fertilizer, D = 15 T/ha BSF larvae frass + 375 kg/ha NPK fertilizer, E = 22.5 T/ha BSF larvae frass + 250 kg/ha NPK fertilizer, F = 22.5 T/ha BSF larvae frass + 375 kg/ha NPK fertilizer. Observations were carried out at the age of 14 DAP, 28 DAP and 42 DAP. The results showed that the treatment of BSF larvae frass and NPK had a significant effect on plant height, number of tillers, bulb diameter, bulb weight per bulb, dry bulb weight per clump, bulb weight per plot and the combination of 22.5 T/ha of kasgot fertilizer and 250 kg/ha of NPK fertilizer were the most effective combination for the growth and yield of shallots.

Keywords: shallot, BSF larvae frass fertilizer, NPK fertilizer, growth and yield