

ABSTRAK

AHMAD ANDRIANTO: Kombinasi pemberian kascing dan pupuk organik cair terhadap pertumbuhan dan produksi bawang merah, di bawah bimbingan ROSITA SIPAYUNG dan SANGGAM SILITONGA.

Pengaruh kombinasi kascing dan pupuk organik cair terhadap pertumbuhan dan produksi bawang merah belum banyak diteliti di daerah ini. Untuk itu sebuah penelitian telah dilakukan di desa Tanjung Selamat, Kecamatan Sunggal, Deli Serdang pada Februari sampai April 2011, menggunakan rancangan acak kelompok faktorial 2 faktor yaitu kascing (30 gr/tanaman, 60 gr/tanaman, 90 gr/tanaman) dan pupuk organik cair (0 ml/l air, 3 ml/l air, 6 ml/l air, 9 ml/l air). Parameter yang diamati adalah tinggi tanaman, jumlah daun, bobot basah umbi per sampel, jumlah anakan per rumpun, bobot kering umbi per sampel, susut bobot umbi, bobot umbi per plot, diameter umbi per sampel.

Hasil penelitian menunjukkan bahwa perlakuan kascing berpengaruh nyata terhadap parameter jumlah anakan per rumpun, dan susut bobot umbi, perlakuan pupuk organik cair berpengaruh nyata terhadap parameter jumlah daun per rumpun, susut bobot umbi, dan bobot kering umbi per plot, interaksi perlakuan kascing dan pupuk organik cair berpengaruh nyata terhadap parameter jumlah daun per rumpun. Hasil yang terbaik diperoleh pada kombinasi kascing 90 gr/tanaman dan pupuk organik cair 6 ml/l air.

Kata kunci: Kascing, pupuk organik cair, bawang merah

ABSTRACT

AHMAD ANDRIANTO: Combination of giving about vermicompost and liquid organic fertilizer for growth and production of shallot under the guidance of ROSITA SIPAYUNG and SANGGAM SILITONGA.

The combination effects of vermicompost and liquid organic fertilizer on growth and production of shallot have not been researched enough in this region. Therefore a research had been conducted at Tanjung Selamat's village, Kecamatan Sunggal, Deli Serdang in Februari to April 2011, using a factorial randomized block design of two factors that was vermicompost (30 gr/plant, 60 gr/plant, 90 gr/plant) and liquid organic fertilizer (0 ml/l water, 3 ml/l water, 6 ml/l water, 9 ml/l water). The parameters observed were high of plant, leaves number per clump, wet weight per sample, saplings number per clump, dry weight per sample, shrink of bulbs, bulbs weight per plot, bulbs diameter per sample.

The results of research showed that the treatment using vermicompost was influence significantly the parameters of saplings number per clump, and shrink of bulbs, the treatment of liquid organic fertilizer was influence significantly the parameters of leaves number per clump, shrink of bulbs, bulbs weight's dry per plot, the treatment interaction of the vermicompost and liquid organic fertilizer were influence significantly the parameters of leaves number per clump. The best result was found in the combination of 90 gr/plant vermicompost and 6 ml/l water liquid organic fertilizer

Keyword: Vermicompost, liquid organic fertilizer, shallot