

## ABSTRAK

**Sulton Zaenal Abidin.** A.0910486. Pertumbuhan dan Produksi Dua Varietas Selada (*Lactuca sativa L.*) pada Berbagai Dosis Pupuk Organik Rumput Laut. Di bawah bimbingan Oktavianus. LT dan Sjarif A. Adimihadja.

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Penelitian ini bertujuan untuk mengetahui pengaruh pemberian pupuk organik rumput laut terhadap pertumbuhan dan produksi selada (*Lactuca sativa L.*). Penelitian ini disusun menggunakan rancangan acak lengkap (RAL) dua faktor (varietas selada dan pupuk organik rumput laut). Pupuk organik rumput laut terdiri atas lima taraf, yaitu tanpa pupuk, 500 kg/ha (0,5 rekomendasi), 1000 kg/ha (1 rekomendasi), 1500 kg/ha (1,5 rekomendasi), 2000 kg/ha (2 rekomendasi). Varietas selada yang digunakan *New Grand Rapid* dan *New Red Fire*. Hasil penelitian ini menunjukkan interaksi yang nyata pada bobot basah total dan bobot basah tajuk. Perlakuan pupuk organik rumput laut tidak berpengaruh nyata terhadap hampir semua peubah yang diamati, kecuali tinggi tanaman 4 MST dan 5 MST, jumlah daun 4 MST dan 5 MST, huas daun dan bobot kering semuanya berbeda nyata. Perlakuan 2000 ton/ha nyata lebih besar dibandingkan tanpa perlakuan rumput laut dilihat dari semua peubah yang diamati. Perlakuan pupuk organik rumput laut terhadap *New Grand Rapid* lebih baik dibandingkan dengan perlakuan pupuk organik rumput laut terhadap *New Red Fire*.

Kata kunci : Selada, pupuk organik rumput laut, pertumbuhan dan produksi selada

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## ABSTRACT

**Sulton Zaenal Abidin.** A.0910486. The Growth and Production of Two Varieties of Lettuce (*Lactuca sativa L.*) Grown with Various Rates of Sea Weed Organic Fertilizer. Under immediate supervisor of Oktavianus. LT dan Sjarif A. Adimihadja.

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The study was aimed at assessing the effects of sea weed organic fertilizer administration on the growth and production of lettuce (*Lactuca sativa L.*). A completely randomized design with two factors (lettuce variety and sea weed organic fertilizer) was used. The fertilizer was given in five levels, namely 0 kg, 500 kg/ha (0.5 x recommended rate), 1000 kg/ha (1 x recommended rate), 1500 kg/ha (1.5 x recommended rate), 2000 kg/ha (2 x recommended rate). Two varieties of lettuce, namely *New Grand Rapid* and *New Red Fire* were used. Results showed that there was a significant interaction between total fresh weight and fresh weight of the plant crown. Organic fertilizer administration was found to give no significant effects on all parameters measured except on plant height at 4 and 5 WAP, number of leaves at 4 and 5 WAP, leave width, and dry weight. Fertilizer administration of 2000 tons/ha resulted in higher figures of all parameters measured. Better responses to fertilizer administration were found in *New Grand Rapid* than those found in *New Red Fire* variety.

Key words: lettuce, sea weed organic fertilizer, growth, production

