INTISARI

Penelitian ini bertujuan untuk mengetahui interaksi antara pemberian kadar NaCl dan dosis kompos jerami terhadap pertumbuhan dan hasil tanaman selada, mendapatkan kadar NaCl yang dapat ditolerir tanaman selada dan mendapatkan takaran kompos jerami yang mampu meningkatkan toleransi tanaman selada terhadap salinitas. Penelitian ini telah dilaksanakan di *Green House*, lab.Penelitian & lab.Tanah Fakultas Pertanian UMY pada bulan Februari 2017 sampai April 2017. Penelitian ini dilakukan dengan metode eksperimental faktorial 3 x 4 yang disusun dalam rancangan RAL. Faktor yang diujikan adalah konsentrasi garam yang terdiri dari 3 aras yaitu 2.500 ppm, 3.500 ppm, 4.500 ppm dan dosis kompos jerami yang terdiri dari 4 aras yaitu kontrol (0 ton/h), 30 ton/h, 40 ton/h, 50 ton/h. Hasil penelitian menunjukkan bahwa pemberian kadar NaCl hingga 4.500 ppm masih dapat ditolerir oleh tanaman selada dan pemberian dosis kompos jerami hingga 50 ton/h mampu meningkatkan toleransi tanaman selada terhadap salinitas dan meningkatkan hasil tanaman selada.

Kata kunci : Selada, kadar NaCl, dosis kompos jerami.

ABSTRACT

A research was proposed of find out the interaction between NaCl levels and the dosage of straw compost to growth and yield of lettuce, geeting the NaCl levels that can be tolerated by the lettuce and geeting a dosage of straw compost which can increases lettuce's tolerance of salinity. The research has been conducted in Green House, Research laboratory and Soil laboratory Faculty of Agriculture UMY in February 2017 until April 2017. This research was conducted by 3 x 3 factorial eksperimental method which was arranged in Completely Randomized Design (CRD). The tested factors were salt concentration consisting of 3 levels i.e., 2.500 ppm, 3.500 ppm, 4.500 ppm and dosage of straw compost consisting of 4 levels i.e., control (0 ton/h), 30 ton/h, 40 ton/h, 50 ton/h. The results indicated that the appropriation of NaCl up to 4.500 ppm was tolerable by lettuce plants and the dosage of straw composts up to 50 ton/h increased lettuce tolerance to salinity and improved lettuce yield.

Key words : Lettuce, NaCl levels, the dosage of straw compost consisting