

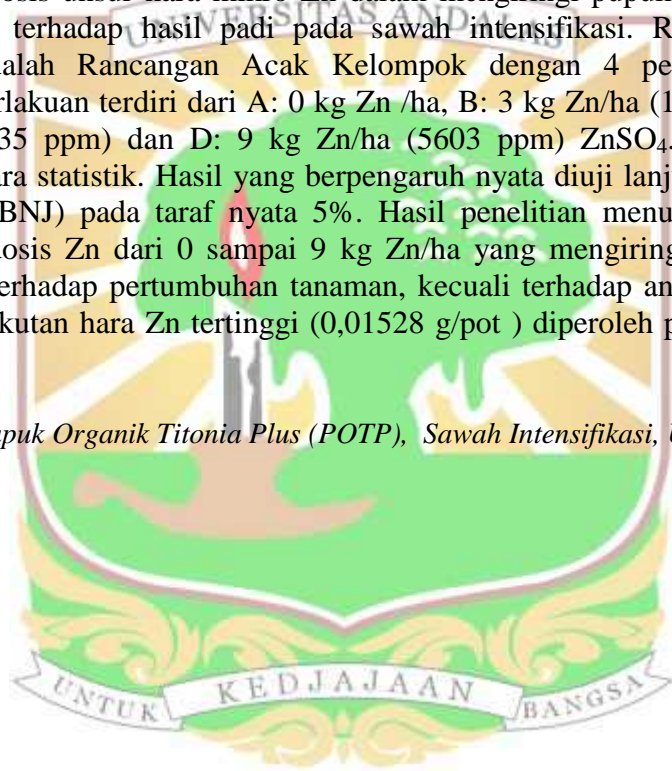
PENENTUAN DOSIS UNSUR MIKRO Zn DALAM MENGIRINGI PUPUK ORGANIK TITONIA PLUS (POTP) TERHADAP HASIL PADI PADA SAWAH INTENSIFIKASI

Skripsi S1 oleh Ayudiah Trisni, pembimbing: 1. Gusnidar 2. Yulnafatmawita

ABSTRAK

Penelitian mengenai bahan organik dan unsur mikro Zn terhadap hasil padi pada sawah intensifikasi telah dilaksanakan di rumah kaca Fakultas Pertanian Universitas Andalas Padang dari Juni sampai November 2014. Tujuannya adalah menentukan dosis unsur hara mikro Zn dalam mengiringi pupuk organik titonia plus (POTP), terhadap hasil padi pada sawah intensifikasi. Rancangan yang digunakan adalah Rancangan Acak Kelompok dengan 4 perlakuan dan 4 kelompok. Perlakuan terdiri dari A: 0 kg Zn/ha, B: 3 kg Zn/ha (1868 ppm), C: 6 kg Zn/ha (3735 ppm) dan D: 9 kg Zn/ha (5603 ppm) ZnSO₄. Data tanaman dianalisis secara statistik. Hasil yang berpengaruh nyata diuji lanjut dengan Beda Nyata Jujur (BNJ) pada taraf nyata 5%. Hasil penelitian menunjukkan bahwa peningkatan dosis Zn dari 0 sampai 9 kg Zn/ha yang mengiringi POTP belum berpengaruh terhadap pertumbuhan tanaman, kecuali terhadap angkutan hara Zn tanaman. Angkutan hara Zn tertinggi (0,01528 g/pot) diperoleh pada takaran Zn 9 kg/ha.

Kata kunci : *Pupuk Organik Titonia Plus (POTP), Sawah Intensifikasi, Unsur Mikro Zn*



DETERMINATION OF Zn DOSES AS MICRO ELEMENT AND ORGANIC FERTILIZERS TITONIA PLUS (OFTP) TO INCREASE PADDY PRODUCTION

S1 Thesis by Ayudiah Trisni, lecture: 1. Gusnidar 2. Yulnafatmawita

ABSTRACT

This research about the organic substance and micro elements Zn to increase rice yield in paddy intensification was conducted in the greenhouse at Faculty of Agriculture, Andalas University Padang from June to November 2014. The purpose of this study was to determine the doses of Zn as micronutrients and with organic fertilizers Titonia plus (OFTP) to paddy intensification. The design used in this research was Randomized Block Design (RBD), with 4 treatments and 4 replications. The treatments consists of A: 0 kg Zn, B: 3 kg Zn/ha (1868 ppm), C: 6 kg Zn/ha (3735 ppm) and D: 9 kg Zn/ha (5603 ppm). The data were analyzed statistically. Then tested further by using Least Significant Difference (LSD) at 5% significance level. The results showed that the increased doses of Zn from 0 to 9 kg Zn/ha combined with POTP did not affect the of plant growth, but on the absorption of Zn in plant. The highest Zn nutrient absorbed (0.01528 g/pot) was obtained at doses of 9 kg Zn/ha.

Keywords: Intensification Paddy, Micro-Nutrients, Organic Fertilizer Titonia Plus (OFTP).

