

INTISARI

Penelitian ini bertujuan untuk mengetahui pengaruh pemberian dekomposer terhadap dekomposisi limbah daun nenas; serta mengetahui dampaknya terhadap beberapa sifat kimia ultisol. Penelitian dilakukan di lahan produksi nenas PT. Great Giant Pineapple dari Juni hingga Oktober 2013. Percobaan ini menggunakan rancangan acak kelompok lengkap (RAKL) dengan perlakuan pemberian dekomposer LOB dan DSA dengan dosis 0,05; 0,10; dan 0,15 % dari berat limbah daun nenas. Perlakuan ini menggunakan 2 kontrol, yaitu tanah asli dan tanah dengan limbah daun nenas tanpa dekomposer. Total perlakuan sebanyak 8 dengan 3 ulangan dan inkubasi selama 3 bulan. Hasil penelitian menunjukkan bahwa pemberian dekomposer LOB meningkatkan N-total dan P-tersedia, sedangkan dekomposer DSA hanya meningkatkan N-total.

Kata kunci: dekomposer, LOB, DSA, limbah daun nenas, ultisol.

ABSTRACT

This research was aimed to know the influences of giving decomposers to decomposition of pineapple leaves waste; and to know the impacts of some ultisol's chemical properties. This research was conducted in pineapple production field of PT. Great Giant Pineapple from June to October 2013. This experiment used Randomized Complete Block Design (RCBD) by giving treatments each of decomposer LOB and DSA 0,05 %; 0,10 %; and 0,15 % of pineapple leaves waste. This treatment used two controls, those were native soil and soil was added pineapple leaves waste without decomposers. Total treatments were eight with three replications and the incubation was three months. The result showed that the LOB addition increased total N and available P, while DSA addition only increased total N.

Keywords: decomposer, LOB, DSA, pineapple leaves waste, ultisol.