

**PENGARUH BERBAGAI JENIS PUPUK KANDANG TERHADAP  
PERTUMBUHAN DAN PRODUKSI TANAMAN CABAI RAWIT  
(*Capsicum frutescens L.*) DI INCEPTISOL TERNATE**

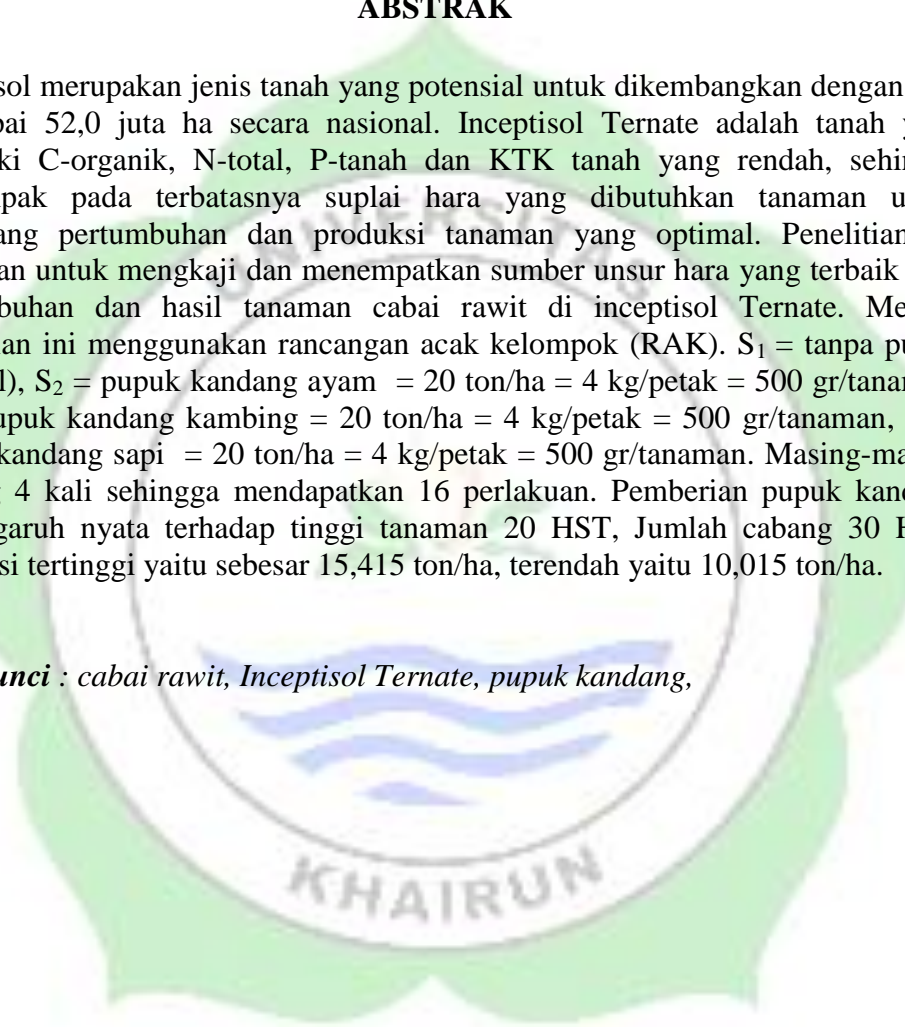
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**ABSTRAK**

Inceptisol merupakan jenis tanah yang potensial untuk dikembangkan dengan luas mencapai 52,0 juta ha secara nasional. Inceptisol Ternate adalah tanah yang memiliki C-organik, N-total, P-tanah dan KTK tanah yang rendah, sehingga berdampak pada terbatasnya suplai hara yang dibutuhkan tanaman untuk menopang pertumbuhan dan produksi tanaman yang optimal. Penelitian ini bertujuan untuk mengkaji dan menempatkan sumber unsur hara yang terbaik bagi pertumbuhan dan hasil tanaman cabai rawit di inceptisol Ternate. Metode penelitian ini menggunakan rancangan acak kelompok (RAK).  $S_1$  = tanpa pupuk (control),  $S_2$  = pupuk kandang ayam = 20 ton/ha = 4 kg/petak = 500 gr/tanaman,  $S_3$  = pupuk kandang kambing = 20 ton/ha = 4 kg/petak = 500 gr/tanaman,  $S_4$  = pupuk kandang sapi = 20 ton/ha = 4 kg/petak = 500 gr/tanaman. Masing-masing diulang 4 kali sehingga mendapatkan 16 perlakuan. Pemberian pupuk kandang berpengaruh nyata terhadap tinggi tanaman 20 HST, Jumlah cabang 30 HST, Produksi tertinggi yaitu sebesar 15,415 ton/ha, terendah yaitu 10,015 ton/ha.

**Kata kunci :** cabai rawit, Inceptisol Ternate, pupuk kandang,



**EFFECT OF VARIOUS TYPES OF MANURE ON GROWTH AND  
PRODUCTION OF CAYENNE PEPPER (*CAPSICUM FRUTESCENS* L.)  
IN INCEPTISOL TERNATE.**

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**ABSTRACT**

Inceptisol is a type of land that has the potential to be developed with an area of 52.0 million ha nationally. Inceptisol Ternate is soil that has low C-organic, N-total, P-soil and soil CEC, so that it has an impact on the limited supply of nutrients needed by plants to support optimal plant growth and production. This study aims to assess and locate the best source of nutrients for growth and yield of cayenne pepper in inceptisol Ternate. This research method used a randomized block design (RBD). S1 = no fertilizer (control), S2 = chicken manure = 20 tons / ha = 4 kg / plot = 500 gr / plant, S3 = goat manure = 20 tons / ha = 4 kg / plot = 500 gr / plant, S4 = cow manure = 20 tons / ha = 4 kg / plot = 500 gr / plant. Each was repeated 4 times to get 16 treatments. The application of manure significantly affected plant height 20 DAS, number of branches 30 DAS, the highest production was 15,415 tonnes / ha, the lowest was 10,015 tonnes / ha.

Keywords: cayenne pepper, Inceptisol Ternate, manure,

