

INTISARI

Sebuah penelitian rumah kaca dilaksanakan guna mengkaji pemanfaatan berbagai sumber pupuk kandang sebagai sumber nitrogen dalam budidaya cabai merah, penelitian ini dilaksanakan mulai Januari sampai dengan April 2013

Penelitian dilaksanakan menggunakan metode percobaan yang disusun dalam Rancangan Acak Lengkap (RAL) yang terdiri atas 4 perlakuan yaitu 90 ton pupuk kandang sapi per hektar, 60 ton pupuk kandang kambing per hektar, 36 ton pupuk kandang ayam per hektar dan pupuk standar (1 ton NPK/hektar dan 20 ton pupuk kandang ayam/hektar)

Hasil penelitian menunjukkan bahwa perlakuan pupuk kandang dan pupuk standar memberikan pengaruh yang tidak berbeda nyata kepada tinggi tanaman, berat segar buah dan diameter buah, tetapi memberikan pengaruh yang berbeda nyata kepada berat segar dan berat kering biomassa tanaman, jumlah buah per tanaman, panjang buah dan produksi buah cabai merah. Perlakuan 90 ton pupuk kandang sapi memberikan produksi cabai merah tertinggi yaitu 302,58 gram per tanaman, tetapi berbeda tidak nyata dengan perlakuan 36 ton pupuk kandang ayam per hektar

Kata kunci : kebutuhan N, tanaman cabai merah, kandungan unsur hara, pupuk kandang sapi, kambing, dan ayam

ABSTRACT

A greenhouse experiment conducted to examine the use of various sources of manure as a nitrogen sources on the cultivation of red chili, and this study was conducted from January to April 2013

The experiment was conducted using experimental methods which are arranged in Complete Randomized Design (CRD) comprised 4 treatments, namely 90 ton of cow manure per hectare, 60 ton of goat manure per hectare, 36 ton of chicken manure per hectare and standard fertilizers (1 ton NPK/hectare and 20 tons of chicken manure/hectare)

The results showed that treatment of manure and standards provide similar effects to the real plant height, weight fresh fruit and fruit diameter, but a significantly different effect on the weight of fresh and dry weight of plant biomass, number of fruits per plant, fruit length and production red chilies. Treatment of 90 tons of cow manure per hectare gave the highest production of red chili that is 302.58 grams per plant, but did not differ significantly with treatment of 36 tons of chicken manure per hectare.

Key words: red chili nitrogen needs, nutrient content cow, goats, and chickensmanure