

ABSTRAK

ARI KURNIAWAN, 91411407133024. Pengaruh Pemberian Berbagai Dosis Pupuk Kandang Kambing Terhadap Pertumbuhan dan Hasil Tomat (*Lycopersicum esculentum* Mill). Desa Lestari, Kecamatan Tomoni, Kabupaten Luwu Timur. dibawah bimbingan Dolfie D.D. Tinggogoy, SP., M.Si selaku pembimbing I dan Fabian Amir Djafar, SP., M.Si selaku pembimbing II.

Penelitian ini bertujuan untuk mengetahui dosis pupuk Kandang kambing yang efektif terhadap pertumbuhan dan hasil tomat. Penelitian ini dilaksanakan dengan menggunakan rancangan acak kelompok (RAK). Perlakuan terdiri dari tanpa pupuk kandang kambing (P_0), 5 ton/hektar (P_1), 10 ton/hektar (P_2), 15 ton/hektar (P_3) dan 20 ton/hektar (P_4). Setiap perlakuan diulang 3 kali. Analisis data dilakukan dengan menggunakan analisis sidik ragam, perbedaan antar perlakuan dianalisis menggunakan uji beda nyata jujur pada taraf $\alpha = 0.05$. Hasil penelitian menunjukkan bahwa perlakuan dosis pupuk kandang kambing dengan dosis 15 kg/petak merupakan perlakuan terbaik pada linggi tanaman pada umur 2 MST, liit batang, jumlah buah pertanaman, produksi buah pertanaman, produksi buah perpetak dan produksi buah perhektar. Perlakuan dosis pupuk kandang kambing yang efektif untuk budidaya tomat varietas Servo F1 adalah 15 ton perhektar dengan produksi sebanyak 104,384 ton/ha.

Kata kunci : hasil tomat, pertumbuhan, Pupuk kandang kambing.



ABSTRACT

ARI KURNIAWAN, 91411407133024. The Effect of Giving Various Dosages of Goat Manure on Growth and Yield of Tomatoes (*Lycopersicum esculentum* Mill) in Lestari Village, Tomoni Subdistrict, Luwu Timur Regency. Supervised by Dofie D.D. Tinggogoy and Fabian Amir Djafar.

The objective of the research is to find out the dose of goat manure which is effective on the growth and yield of tomatoes. The research is conducted using a Randomized Block Design (RBD). Treatments was consisting of no goat manure (P_0), 5 tons / ha (P_1), 10 tons / ha (P_2), 15 tons / ha (P_3), and 20 tons / ha (P_4). Each treatment was repeated 3 times. Data analysis was performed using analysis of variance. The differences between treatments were analyzed using the real honest difference significance test at level $\alpha > 0.05$. The finding obtains that the treatment of goat manure doses at a does of 15 kg / plot was the best treatment for plant height at age 2 MST, girth, number of plantations, crop production, plot production and fruit production per hectare. Treat the effective dose of goat manure for the cultivation of Servo F1 varieties is 15 tons / ha with a production of 104,384 tons / ha.

Keywords: *Tomato Yield, Growth, Goat Manure*