

Yuniar Ika Putri Resdita 170311100052. Pengaruh Dosis Pupuk Kandang Ayam Terhadap Pertumbuhan Dan Hasil Tanaman Ciplukan (*Physalis angulata* L.). Dibimbing oleh: Ir. Sinar Suryawati, M.Si dan Dr. Ir. H. Ahmad Arsyad Munir, M.S

ABSTRAK

Salah satu cara untuk meningkatkan produksi tanaman ciplukan adalah dengan cara penambahan unsur hara melalui pemupukan. Penelitian ini bertujuan untuk mengetahui dosis pupuk kandang ayam yang baik dan efisien bagi pertumbuhan dan hasil tanaman ciplukan. Metode penelitian menggunakan Rancangan Acak Lengkap dengan 6 taraf perlakuan dosis pupuk kandang ayam yaitu A0 (0 kg/ha), A1 (5 ton/ha), A2 (10 ton/ha), A3 (15 ton/ha), A4 (20 ton/ha) dan A5 (25 ton/ha). Perlakuan diulang 3 kali dan data hasil pengamatan dianalisis menggunakan analisis sidik ragam dan uji beda nyata Duncan taraf 5 %. Hasil penelitian menunjukkan bahwa pemberian dosis pupuk kandang ayam memberikan pengaruh nyata terhadap tinggi tanaman, jumlah daun, jumlah buah, bobot buah, dan luas daun. Dosis pupuk kandang ayam A4 (20 ton/ha) memberikan hasil yang terbaik untuk pertumbuhan dan hasil tanaman ciplukan.

Yuniar Ika Putri Resdita 170311100052. The effect of chicken manure on the growth and yield of Morel berry plants (*Physalis angulata* L.). Guided by: Ir. Sinar Suryawati, M.Si dan Dr. Ir. H. Ahmad Arsyad Munir, M.S

ABSTRACT

Yield of Morel berry plant (*Physalis angulata* L.) could be increased by application of organic fertilizer from chicken manure. The objective of this study to determine the dose of chicken manure that was good and efficient for the growth and yield of tomatilo plants. The research was arranged on a completely randomized design, consisting of six levels of treatments of chicken manure doses, namely A0 (0 kg/ha), A1 (5 ton /ha), A2 (10 ton /ha), A3 (15 ton/ha), A4 (20 ton/ha) and A5 (25 ton/ha). Each treatment was replicated for 3 times and the observed data were analyzed by ANOVA and the different among means was analyzed by Duncan's Mean Range Test 5%. The results showed that the dose of chicken manure had a significant effect on plant height, number of leaves, number of fruits, fruit weight, and leaf area. The dose of chicken manure at 20 tons/ha (A4) gave the best result for growth and yield of Morel berry plants.