

**PENGARUH DOSIS PUPUK KOTORAN SAPI TERHADAP
PERTUMBUHAN DAN PRODUKSI TANAMAN TERUNG
(*Solanum melongena* L)**

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ABSTRAK

Penelitian dilakukan untuk mengetahui pengaruh dosis pupuk kotoran sapi terhadap pertumbuhan dan produksi tanaman terung (*solanum melongena* L.). Penelitian ini dilaksanakan di kebun percobaan Program Studi Agroteknologi Fakultas Pertanian Universitas Trunojoyo Madura yang terletak di Desa Telang Kecamatan Kamal Kabupaten Bangkalan Madura dengan ketinggian tempat ± 5 mdpl. Penelitian ini dilaksanakan pada bulan Februari 2017 - Mei 2017. Rancangan lingkungan yang digunakan adalah rancangan acak kelompok (RAK) yang disusun secara non faktorial dengan 5 perlakuan. Masing-masing perlakuannya yaitu P0 (kontrol), P1 (Pupuk Kotoran Sapi 5 ton/ha), P2 (Pupuk Kotoran Sapi 10 ton/ha), P3 (Pupuk Kotoran Sapi 15 ton/ha), P4 (Pupuk Kotoran Sapi 20 ton/ha). Hasil penelitian menunjukkan bahwa perlakuan P4 dapat memberikan pertumbuhan yang terbaik pada perlakuan tinggi tanaman, jumlah daun dan luas daun pada umur tanaman 30, 40 dan 60 HST. Sedangkan produksi tanaman terung menunjukkan bahwa perlakuan P4 juga memberikan produksi yang terbaik pada jumlah buah, diameter buah, panjang buah, bobot buah segar dan berat brangkasan.

Kata Kunci : pupuk kandang, terung, pertumbuhan dan produksi.

EFFECT OF COW MANURE ON THE GROWTH AND YIELD OF EGGPLANT (*Solanum melongena* L)

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ABSTRACT

The study was conducted to determine the effect of cow manure on the growth and yield of eggplant (*solanum melongena* l). The research conducted at the Agrotechnology's experiment station, Faculty of Agriculture, University of Trunojoyo Madura located in the Telang Village Subdistrict of Kamal, Bangkalan, Madura with altitude of ± 5 meters above sea level. The study was conducted in February 2017 - May 2017. The environmental design used was a randomized block design (RAK) which was arranged non factorial with 5 treatments. Each treatment is P0 (control), P1 (cow manure 5 ton/ha), P2 (cow manure 10 ton/ha), P3 (cow manure 15 ton/ha) and P4 (cow manure 20 ton/ha). The results showed that P4 treatment can provide the best growth in plant height treatment, number of leaves and leaf area at 30, 40 and 60 HST. While eggplant production showed that P4 treatment also gave the best production on the number of fruits, fruit diameter, fruit length, fresh fruit weight and dry weight of stover.

Keywords : Eggplant, cow manure, growth and production.