

**Aplikasi Pupuk Kandang Sapi dan Bio Urin Sapi terhadap Pertumbuhan dan Produksi Kacang Panjang (*Vigna sinensis* L. *Cow Dung Fertilizer and Cow Bio Urin Application to Growth and Yield of Long Bean (Vigna sinensis L.)*. Advisor: Ir. Wahyu Winarno, MM. and Ir. Hj. Rr. Liliek Dwi Soelaksini, MA.**

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**ABSTRACT**

*The purpose of this research is to know the impact of Cow Dung Fertilizer and Cow Bio Urin Application to the growth and yield of Long Bean (*Vigna sinensis* L.). This research was conducted on November 2014-Januari 2015 at Jember State Polytechnic Practical Area, ± 89 m asl. This research used Randomize Block Design (RBD) consist of 2 factor and 3 times repetition. First factor is application of Cow Dung Fertilizer consist of P0 = without dose ( control), P1= 10 ton/ha, and P2= 15 ton/ha. Second factor is cow bio urin application consist of U0 = without dose (control), U1 = 10 cc/l, and U2 = 20 cc/l. The result of research show that there is no significant effect of treatment to the growth and yield of long bean.`*

*Key Word : Long Bean, Cow Dung Fertilizer, Cow Bio Urin*