

**Pengaruh Konsentrasi Pupuk Organik Cair Kubis Terhadap Pertumbuhan dan Produksi Kedelai Edamame (*Glycine max L.*)** *Effect of Cabbage Liquid Organic Fertilizer Concentration to the Growth and Yield of Edamame (*Glycine max L.*)*. Advisors: Ir. Herlinawati, MP and Dr. Ir. Kasutjianingati, Msi

**Fikri Sirrul Bari Amrullah**

*Study Program of Food Crops Technology Production  
Concentration of Agricultural Production*

### **ABSTRACT**

*The aim of this research was to know the effect of cabbage liquid organic fertilizer concentration to the growth and yield of Edamame (*Glycine max L.*). This research was conducted on November 2014 - January 2015 at Jember State Polytechnic Practical Area, ± 89 m asl. This research used Randomize Block Design (RBD) factorial consist of four kind cabbage liquid organic fertilizer concentration treatment and five times replication. Concentration of organic fertilizer (K) consist of K0: 0 ml / liter water, K1: 25 ml / liter water, K2: 50 ml / liter water, K3: 75 ml / liter water, K4: 100 ml / liter water. The result of research show that the treatment give significant effect to the height of plant 27 DAP and K4 (100 ml / liter water) give best result with 36,90 height. But, the whole treatment give non-significant to the parameter of height of plant 20 DAP, sum of branch at 36 DAP, sum of pod per sample, weight of pod per sample, weight of pod per plot and the yield.*

*Keywords : Edamame, Cabbage Liquid Organic Fertilizer*