Pengaruh Konsentrasi Pupuk Organik Cair dan Beberapa Jenis Media Tanam Terhadap Produksi dan Mutu Benih Kedelai (*Glycine max* (L.) Merril) *Effect of Concentration of Liquid Organic Fertilizer and Some Kind Of Growing Medias Production Results and Quality Of Soybean Seed (Glycine max (L.) Merrill)*

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ABSTRACT

One effort to increase production and quality of soybean seeds is to use organic materials such as liquid organic fertilizer, cow manure and waste oyster mushroom growing media. This study aims to find out the results of the use of liquid organic fertilizers and growing media types to increase the production and quality of soybean (Glycine max (L.) Merrill). This study was conducted over four months from September 2015 to January 2016. All the research activities conducted in the field and laboratory seed production, Polytechnic of Jember. This is a design experience using a randomized block design (RAK), which consists of two factors and three replications each. The first factor is a liquid organic fertilizer, respectively : P0 (without treatment), P1 (10 ml / L), P2 (20 ml / L) The second factor is the type of growing media, respectively, namely: M0 (soil), M1 (soil and cow manure), M2 (soil and waste mushroom growing media). The results showed that treatment of liquid organic fertilizer (P) different effects and highly significant parameters of the number of branches, weight of 100 grains of seed, the weight of peas, germination, speed of growth and synchrony grow with the best treatment is a concentration of 20 ml / L (P2), type of growing media also provides highly significant influence on the parameters of the number of branches 28 HST, speed of growth and growing simultaneity is the best treatment of soil and cow manure (M1). the use of concentration of liquid organic fertilizer (P) and the type of growing medium (M) significant effect on the number of pods that P2M1 (liquid organic fertilizer 20 ml / L, planting media soil and cow manure)

***Keywords**: soybean , liquid organic fertilizer, media, polybag*