

Respon Pertumbuhan Dan Produksi Bawang Merah (*Allium ascalonicum* L.) Terhadap Pembelahan Umbi Dan Pemberian Pupuk Organik. *Growth Response and Production of Shallot (*Allium ascalonicum* L.) With Cutting Bulbs and Application of Organic Fertilizer. Supervised by: Ir. Sri Rahayu, MP. and Ir. Hari Prasetyo, MP.*

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ABSTRACT

Generally, propagation of shallot used bulbs as planting material. Cutting bulbs is one way to decrease the use of planting material. Cutting bulbs cause decreasing of food deposit as a result of injury to the bulbs. With application of fertilizer concentration can supplied the nutrients needed of bulbs to wound healing process and optimize the growth and obtain optimal results on production. The research was conducted at State Polytechnic of Jember in October until december 2015 and using Completely Randomized Design with two factors, first factor was variations of cutting bulbs and the second was concentrations of organic fertilizer BIO-M. The parameters observed is plant height, number of leaves, wet weight and dry weight of bulbs. The result showed that the treatment without cutting bulbs was higher in every parameters than others treatments. There is no interaction in any treatments.

Key words : *Cutting bulbs, Organic fertilizer BIO-M, Shallot,*