

**Pengaruh Konsentrasi dan Interval Waktu Pemberian Larutan Nutrisi Bahan Organik (Bp-1) Terhadap Pertumbuhan dan Hasil Bibit Bawang Merah (*Allium ascalonicum* L.)** (*The Effect of Concentration and Interval of Organic Nutrition Solution (BP-1) Addition Toward Growth and Production of Red Onion (*Allium ascalonicum* L.)*). Supervised by : Ir. Moch. Bintoro, MP and Rd. Prasodjo Soedomo

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### ***ABSTRACT***

*This research aims to determine the effect of concentration and interval of organic nutrition solution Biopras (Bp-1) addition toward growth and production of red onion (*Allium ascalonicum* L.). This research was conducted in September to November 2018 in Sukasari Kaler Village, Argapura, Majalengka Regency, West Java. It was applied Factorial Split Plot Design. The main plot was time interval of application of Bp-1 solution consisted : application in once 3 days ( $I_1$ ), once 6 days ( $I_2$ ), and once 9 days ( $I_3$ ). The sub Plot was concentration of Bp-1 solution consisted : with no Bp-1 application ( $B_0$ ), 1 ml/L ( $B_1$ ), 2 ml/L ( $B_2$ ), 3 ml/L ( $B_3$ ), and 4 ml/L ( $B_4$ ). The data was analyzed by using f Test (ANOVA) and followed by BNT and DMRT 5%. The result of this research shows that time interval once 3 days ( $I_1$ ) of application is significant on number of sapling (11,51), gross weight per clump (128,20 gr), and weight of sapling per clump (80,68 gr). Whereas, concentration of Bp-1 3 ml/L ( $B_3$ ) solution is significant on height of plant in 14 (16,88 cm) and 28 days after plant (28,17 cm), number of leaves in 14 (9,78) and 28 days after plant (28,17), height of pseudostem 42 days after plant (6,77 cm), number of sapling (11,19) and gross weight per clump (130,46 gr). The interaction between time interval and concentration of Bp-1 solution application is non significant on all parameters.*

***Key words : Red Onion, Time Interval, Biopras (Bp-1)***