

Pengaruh Pemberian Pupuk NPK Majemuk (15:15:15) Terhadap produksi Kaliks Tanaman Rosella Merah (*Hibiscus sabdariifa* L.) *(The Effect of NPK Compound Fertilizer Giving (15:15:15) on Production of Calix of Red Rosella (*Hibiscus sabdariifa* L.)*

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ABSTRACT

This research was conducted in Durjo, Karangpring Village, Sukorambi, Jember with height of land 546 above sea level in August to December 2018 by using Randomized Complete Block Design (RCBD) non factorial with 6 treatments and 4 replications. The treatment were P0 (0 gram), P1 (5 gram) P2 (10 gram), P3 (15 gram), P4 (20 gram) and P5 (25 gram). The parameters were height of plant, number of fruit set, number of calix, fresh weight of calix, dry weight of calix, fresh weight of stover, and dry weight of stover. The data was analyzed by using F test (ANOVA) 1% and 5% and followed by Polynomial Contrast. The result of this research shows that NPK compound fertilizer giving (15:15:15) with dose of 0 gram, 5 gram, 10 gram, 15 gram, 20 gram and 25 gram are significant on all parameters and quadratically significant effect on parameter height of plant with an optimum dose of 17 gram, the number of fruit set and the number of calix with an optimum dose of 16 gram, fresh weight of calix and dry weight of Calix with dose of 15.5 gram per plant. fresh weight and dry weight of stover are linearly significant effect so that the optimum dose cannot be predicted in the treatment of 0-25 gram.

Key words : *NPK Compound Fertilizer, Production of Calix, Red Rosella*