Effect of NPK Fertilizer Application (15:15:15) With the Addition of Variation in the Concentration of Liquid Organic Fertilizer on the Calix Yield of Roselle Plants (*Hibiscus Sabdariffa* L).

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ABSTRACT

This research was carried out in Antirogo Village, Sumbersari District, Jember Regency. This study was conducted on November 4, 2018 to May 19, 2019. The study design used a non factorial randomized block design with 4 levels of treatment namely N0 (0 ml/liter), N1 (5 ml/liter), N2 (10 ml/liter), N3 (15 ml/liter) and repeated 6 times. The parameters observed were plant height, number of kaliks, kaliks wet weight, kaliks dry weight, stover wet weight, stover dry weight. Data obtained for each parameter were analyzed using F Tests of 5% and 1%. If between treatments there are significant differences (significantly different) then it will be tested further using Polynomial Contrast. The results of this study indicate that the administration of Nasa liquid organic fertilizer with a concentration of 0 ml/liter, 5 ml/liter, 10 ml/liter, 15 ml/liter, significantly affects all observational parameters so that further tests of polynomial contrast and quadratic effect on plant height parameters that have an optimum concentration of 15 ml/liter.

***Keywords*:** Red Rosella (*Hibiscus sabdariifa L*), Liquid Organic Fertilizer