The Effect of Concentration and Frequency of Spraying Young Coconut Water on the Growth of Stevia Cuttings (*Stevia rebaudiana* B.)

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ABSTRACT

This research aims to determine the effect and frequency of spraying young coconut water on the growth of stevia cuttings. This research was conducted in January 2020 - March 2020 in Sumber Salak Village, Kalisat, Jember. This research used a factorial randomized block design (RAKF). The first factor is young coconut water concentration treatment consisting of four levels, namely K1 = 25% coconut water concentration, K2 = 50% coconut water concentration, K3 = 75% coconut water concentration, K4 = 100% coconut water concentration. The second factor is the treatment of spraying frequency which consists of two levels, namely F1 = weekly frequency, and F2 = bi-weekly frequency. The data is then analyzed using the Analysis of Variance, if there is a difference, the DMRT (Duncan Multiple Range Test) level of 5% is carried out. The results showed that the concentration of 25% (K1) had a significant effect on the parameter of the number of leaves aged 12 weeks after planting (WAP), however, it did not affect the parameters of plant height, number of branches, and root wet weight.

Keywords: *Coconut Water, Cuttings, Stevia*