THE EFFECT OF VARIOUS VARIOUS CONCENTRATIONS OF POC KEONG MAS AND FREQUENCY OF APPLICATION ON THE GROWTH OF CUTTINGS OF ROBUSTA COFFEE PLANTS (*Coffea canephora Pierre ex* A. Froehner)

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ABSTRACT

The purpose of this study was to determine the effect of the combination of adding various concentrations of POC Keong Mas and the frequency of its application on the growth of robusta coffee cuttings. The research entitled "The Effect of Giving Various Concentrations of POC Keong Mas and the Frequency of Application on the Growth of Cuttings of Robusta Coffee Plants (*Coffea canephora Pierre ex* A. froehner)" was carried out from December 2022 to February 2023 at the practice area of the Jember State Polytechnic. This study used a factorial randomized block design (RBD) with K x W treatment consisting of 12 treatments with 3 replications. The respective treatments were K0W1, K1W1, K2W1, K3W1, K4W1, K5W1, K0W2, K1W2, K2W2, K3W2, K4W2, K5W2. Observational data were analyzed using analysis of variance (ANOVA), and further tested with LSD (Less Significant Difference) 5%. The results of this study the application of golden snail POC significantly affected the parameters of plant length, number of leaves, stem diameter, leaf length and had no significant effect on parameters of root length, number of branches. The best treatment was K2W1, namely the application of golden snail POC 50 ml/L for 2 weeks.

Keywords: POC keong mas, robusta coffee cuttings, ANOVA