

**EFFECTIVENESS OF NAA AND IBA WITH SOME CONCENTRATIONS
ON THE GROWTH OF ROBUSTA COFFEE STOCK
(*Coffea canephora P.*)**

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ABSTRACT

*Coffee (*Coffea canephora P.*) is one of the plantation commodities that has been cultivated for a long time. In general, coffee nurseries include generative and vegetative nurseries. Planting material that is relatively used on cuttings is on the stem. The problem with coffee cuttings is that it is difficult to produce roots and shoots. So it needs a suitable Growth regulator (ZPT) for the growth of roots and shoots of coffee, such as NAA and IBA, this research was carried out. This research was conducted with the aim of knowing the effectiveness of NAA and IBA with several concentrations on the growth of coffee cuttings (*Coffea canephora*). This research was carried out on the Farmers' Group in Panti Village from March 2022 to June 2022. The study used a factorial randomized block design with two factors. factor is the type of auxin, namely ZPT Root-up and Rootone-f. actor was the concentration of NAA R1 100 ppm, R2 200 ppm, R3 300 ppm and IBA R4 100 ppm, R5 200 ppm, R6 300 ppm. The research data obtained were then analyzed statistically using the ANNOVA table. If the calculated F is greater than the F table 5%, it will be further tested using the orthogonal contrast test. The results of this study showed that presenting IBA with a concentration of 300 ppm had a significant effect on the parameters of shoot height, root wet weight and root dry weight and the administration of NAA with concentrations of 100 ppm and 200 ppm gave the best results on the number of leaves, root length, root wet weight, root dry weight.*

Keywords: Coffee, NAA and IBA, Concentration