

**THE INFLUENCE OF THE NUMBER OF SEGMENTS AND
CONCENTRATION OF ROOTONE-F ON THE GROWTH
OF ROBUSTA COFFEE CUTTING**

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ABSTRACT

This study aims to determine the influence of the number of segments and concentration of rootone F on the growth of robusta coffee cuttings. This research was conducted in March 2021 – June 2021 in Kaliwining Garden, Coffee and Cocoa Research Center. This study used a Factorial Completely Randomized Design (RAL) with the number of Segments as the first factor consisting of 3 levels, namely 1 segment, 2 segments, and 3 segments, and the Rootone F Concentration as the second factor consisting of 4 levels, namely 0 ppm, 300 ppm, 500 ppm and 700 ppm.. There were 12 treatment combinations and 3 replays. Further test was conducted with advanced *BNJ (Beda Nyata Jujur)* test with a level of 5%. The results showed that the treatment of The Number of Segments differed very markedly in the length of the buds, the wet weight of the roots, and the dry weight of the roots. The concentration of Rootone F did not differ markedly in all parameters.

Keywords: Number of segments, Rootone F,