

**THE INFLUENCE OF GIVING TYPES OF ZPT AND LONG TIME ON  
GROWTH COCONUT PLANET (*Cocos nucifera* L.) ON  
EEUWENS MEDIA (Y3)**

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***ABSTRACT***

*The purpose of this study was to determine the effect of ZPT type administration and irradiation duration on the growth of coconut planlets (*Cocos nucifera* L.). This research was carried out from August to December 2022, located at the Plant Tissue Culture Laboratory, Jember State Polytechnic. This study used a Factorial Group Randomized Design (RAKF), which consisted of 2 factors. The first factor includes the provision of ZPT, which includes the types of ZPT NAA and BAP. While the second factor includes the Length of Irradiation. So that there are 9 treatments, then repeated as many as 3 tests, then there are replays in the replay which are repeated 2 times. So that 54 units of experimental units were obtained. The observation data obtained were subsequently analyzed using Anova. If real different results are obtained, then further test results are carried out using BNJ (Honest Real Difference) with a level of 5%. The results of this study can be concluded that on the parameters of contaminated percentage (%) get real different results (\*) on the block, the parameters of the average length of the roots (cm) and the average length of shoots get real different results (\*\*) on the block, while in the parameters of the percentage of live planlets (%), the percentage parameter of planlet browning (%) get different results not real (ns).*

*Keywords: NAA, BAP, coconut, length of irradiation*