

**Pengaruh Panjang Rizoma dan Aplikasi ZPT Nabati Terhadap  
Pertumbuhan Tanaman Rami (*Boehmeria nivea* L. Gaud) (*The Effect of  
Rhizome Length and Vegetable PGR Application on The Growth of Ramie  
(Boehmeria nivea L. Gaud)*)**

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**ABSTRACT**

*The Ramie plant is a natural fiber-producing plant just like cotton in the community ramie plants can be propagated using rhizomes. The purpose of this study was to determine the effect of the length of rhizome cuttings interacted with the provision of plant-based PGR on the growth of flax plants. The research was carried out from October 2020 to January 2021 at the Research Institute for Sweetener and Fiber Crops Malang, East Java. The design used was a factorial randomized block design with 2 factors and 3 replications. The first factor was the length of rhizome cuttings which consisted of 6 levels, namely R1 (2 cm), R2 (4 cm), R3 (6 cm), R4 (8 cm), R5 (10 cm), and R6 (12 cm). The second factor was vegetable ZPT which consisted of 3 levels, namely Z1 (Control/without vegetable PGR), Z2 (shallot extract), and Z3 (Coconut Water). The data were analyzed using the F test (Analysis of Variance) and continued with the DMRT test with an error rate of 5%. The results showed that the treatment of rhizome length gave very significantly different results on all parameters, as well as the treatment of vegetable PGR which also gave very significantly different results, and the interactions given both gave very significantly different results on the parameters of plant height with 69,33 cm, 137,77 number of leaves, and 300,44 gram for dry weight of flax plants.*

**Key words:** *length of rhizome, Ramie, PGR.*