

## **PENGARUH BERBAGAI KONSENTRASI PUPUK ORGANIK CAIR TERHADAP PERTUMBUHAN BIBIT KOPI ARABIKA (*Coffea arabica* L.) DI POLYBAG**

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### **ABSTRAK**

Penelitian ini dilaksanakan dengan tujuan untuk mengkaji Pengaruh Berbagai Konsentrasi Pupuk Organik Cair Terhadap Pertumbuhan Bibit Kopi Arabika (*Coffea arabica* L) di Polybag. Penelitian ini dilakukan di *Teaching and Research Farm* Fakultas Pertanian, Universitas Jambi selama 3 bulan (Mei – Agustus 2024) menggunakan rancangan percobaan RAL (Rancangan Acak Lengkap) dengan 5 perlakuan konsentrasi POC (0 mL.L<sup>-1</sup>, 10 mL.L<sup>-1</sup>, 20 mL.L<sup>-1</sup>, 30 mL.L<sup>-1</sup> dan 40 mL.L<sup>-1</sup>). Data yang diperoleh dianalisis dengan sidik ragam dan dilanjutkan uji DMRT taraf 5%. Berdasarkan hasil penelitian menunjukkan bahwa pemberian POC supernasa dengan konsentrasi 40 mL.L<sup>-1</sup> dapat meningkatkan pertumbuhan bibit kopi arabika pada beberapa variabel pengamatan.

**Kata kunci: Bibit Kopi Arabika, POC NASA, Pertumbuhan**

## **THE EFFECT OF VARIOUS CONCENTRATIONS OF LIQUID ORGANIC FERTILIZER ON THE GROWTH OF ARABIKA COFFEE SEEDLINGS (*Coffea arabica* L.) IN POLYBAGS**

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### **ABSTRAK**

This study was conducted with the aim of examining the Effect of Various Concentrations of Liquid Organic Fertilizer on the Growth of Arabica Coffee Seedlings (*Coffea arabica* L) in Polybags. This study was conducted at the Teaching and Research Farm, Faculty of Agriculture, University of Jambi for 3 months (May - August 2024) using a Completely Randomized Design (CRD) experimental design with 5 treatments of POC concentration (0 mL.L<sup>-1</sup>, 10 mL.L<sup>-1</sup>, 20 mL.L<sup>-1</sup>, 30 mL.L<sup>-1</sup> and 40 mL.L<sup>-1</sup>). The data obtained were analyzed by analysis of variance and continued with the 5% DMRT test. Based on the results of the study, it was shown that the administration of POC supernasa with a concentration of 40 mL.L<sup>-1</sup> can increase the growth of Arabica coffee seedlings in several observation variables.

**Keywords: Arabica coffee seedlings, POC NASA, Growth**