## **ABSTRACT**

Oil palm (*Elaeis guineensis* Jacq.) is a key commodity that requires high-quality seedlings from the pre-nursery stage. The use of organic fertilizers such as tofu dregs compost and cow manure offers an eco-friendly alternative to improve seedling growth. This study aimed to determine the effects and optimal combination of both materials on early oil palm growth. A factorial Randomized Complete Block Design (RCBD) was used with two factors: tofu dregs compost (0, 40, 50 g/polybag) and cow manure (0, 150, 200 g/polybag), each with three replications. Results showed tofu dregs significantly affected plant height (45 DAP), and cow manure influenced leaf chlorophyll (75 DAP). The best growth was achieved with 50 g tofu compost and 150 g cow manure per polybag.

Keywords: oil palm, tofu dregs compost, cow manure, pre-nursery