

## **ABSTRAK**

Tanaman kailan (*Brassica oleraceae* var. *alboglabra*) merupakan tanaman semusim yang termasuk dalam famili kubis-kubisan yang mengandung banyak zat gizi seperti vitamin A, vitamin C, kalsium dan berbagai kandungan lainnya. Penelitian ini bertujuan untuk mengetahui pengaruh pemberian pupuk organik cair dan interval waktu pengaplikasiannya terhadap pertumbuhan dan hasil tanaman kailan. Penelitian dilaksanakan di greenhouse Universitas Trunojoyo Madura pada bulan maret hingga mei 2022, menggunakan rancangan acak lengkap yang terdiri dari 7 perlakuan dan diulang 4 kali. Perlakuan terdiri dari P0 (tanpa pemberian pupuk), P1 (5 mL pupuk setiap 6 hari sekali), P2 (10 mL pupuk setiap 6 Hari sekali) P3 (15 mL pupuk setiap 6 hari sekali) P4 (5 mL pupuk setiap 12 hari sekali) P5 (10 mL pupuk setiap 12 Hari sekali) P6 (15 mL pupuk setiap 12 hari sekali). Berdasarkan hasil penelitian diketahui bahwa perlakuan pupuk organik cair dan interval waktu aplikasi memberikan pengaruh yang nyata terhadap parameter tinggi tanaman, jumlah daun, diameter batang, dan bobot kering tanaman kailan. Pengaruh pemberian pupuk organik cair 10 mL yang diaplikasikan setiap 12 hari sekali (P5) memberikan hasil terbaik terhadap pertumbuhan dan hasil tanaman kailan dibandingkan dengan perlakuan lainnya.

Kata kunci : dosis poc, interval waktu aplikasi, dan kailan

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## **ABSTRACT**

Kailan (*Brassica oleraceae* var. *alboglabra*) is an annual plant belonging to the cabbage family that contains many nutrients such as vitamin A, vitamin C, calcium and various other ingredients. This study aims to determine the effect of liquid organic fertilizer and the time of its application on the growth and yield of kailan plants. The study was conducted in the greenhouse of Trunojoyo Madura University from March to May 2022, using a completely randomized design consisting of 7 treatments and repeated 4 times. The treatments consisted of P0 (without fertilizer application), P1 (5 mL fertilizer every 6 days), P2 (10 mL fertilizer every 6 days) P3 (15 mL fertilizer every 6 days) P4 (5 mL fertilizer every 12 days) P5 (10 mL fertilizer every 12 days) P6 (15 mL fertilizer every 12 days). Based on the results of the study, it was found that the treatment of liquid organic fertilizer and the time interval of application had a significant effect on the parameters of plant height, number of leaves, stem diameter, and dry weight of kailan plants. The effect of giving 10 mL of liquid organic fertilizer which is applied every 12 days (P5) gives the best results on the growth and yield of kailan plants compared to other treatments.

keyword : dosage of liquid organic fertilizer, application time interval, and kailan