PENGARUH DOSIS PUPUK KANDANG KAMBING DAN KONSENTRASI GIBERELIN TERHADAP PERTUMBUHAN, HASIL, DAN KUALITAS BUNGA KRISAN
(*Dendranthema grandiflora* Tzvelev*)*

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ABSTRAK

Krisan termasuk tanaman hias bunga yang banyak diminati karena memiliki beragam warna, jenis, dan bentuk. Permasalahan yang ditemui adalah menurunnya kualitas bunga krisan dipasaran. Penelitian ini bertujuan untuk menentukan dosis pupuk kandang kambing dan konsentrasi giberelin yang paling baik untuk pertumbuhan dan kualitas bunga krisan. Penelitian dilaksanakan di Kebun Krisan Sasikirana pada bulan April – September 2025. Penelitian menggunakan percobaan lapangan dalam Rancangan Acak Kelompok Lengkap (RAKL) faktorial (3×3+1). Faktor pertama dosis pupuk kambing yaitu 10, 20, dan 30 ton/ha. Faktor kedua konsentrasi giberelin yaitu 150, 200, dan 250 ppm. Data dianalisis dengan Sidik Ragam taraf 5%, dilanjutkan Uji *Duncan Multiple Range Test* (DMRT) taraf 5% dan Uji Kontras Orthogonal. Hasil penelitian menunjukkan terdapat interaksi antara dosis pupuk kandang kambing dan konsentrasi giberelin pada diameter batang, volume akar, dan lama kesegaran bunga. Pupuk kandang kambing 20 ton/ha memberikan hasil lebih baik pada diameter bunga. Giberelin 200 ppm memberikan hasil paling baik pada tinggi tanaman 49 dan 63 HST, jumlah daun 49 dan 63 HST, dan diameter bunga.

Kata kunci: *krisan potong, pupuk kambing, giberelin, kualitas*

THE EFFECT OF GOAT MANURE DOSAGE AND GIBERELLIN CONCENTRATION ON GROWTH, YEILD, AND QUALITY OF CHRYSANTHEMUM FLOWERS (*Dendranthema grandiflora* Tzvelev)

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ABSTRACT

Chrysanthemums are ornamental flowering plants that are in high demand because they have a variety of colors, types, and shapes. The problem encountered is the decline in the quality of chrysanthemums in the market. This study aims to determine the best dosage of goat manure fertilizer and gibberellin concentration for the growth and quality of chrysanthemums. The study was conducted at the Sasikirana Chrysanthemum Garden in April – September 2025. The study used a field experiment in a factorial Randomized Complete Block Design (3 × 3 + 1). The first factor was the goat manure dosage of 10, 20, and 30 tons/ha. The second factor was the gibberellin concentration of 150, 200, and 250 ppm. Data were analyzed using the Analysis of Variance at a 5% level, followed by the Duncan Multiple Range Test (DMRT) at a 5% level and the Orthogonal Contrast Test. The results showed that there was an interaction between the dose of goat manure and the concentration of gibberellin on stem diameter, root volume, and the duration of flower freshness. Goat manure fertilizer of 20 tons/ha gave better results on flower diameter. Gibberellin concentration of 200 ppm gave the best results on plant height at 49 and 63 DAP, number of leaves at 49 and 63 DAP, and flower diameter.

Keywords: *cut chrysanthemums, goat manure, gibberellin, quality*