

ABSTRAK

Hani Sri Meilani. 2018. Pengaruh Media Tanam Abu Terbang (*Fly Ash*) Batubara dan Pupuk Kandang Ayam terhadap Pertumbuhan dan Hasil Tanaman Krisan Pot (*Chrysanthemum morifolium* Ramat) dibawah Bimbingan Kundang Harisman dan Yati Setiati.

Meningkatnya limbah abu terbang (*fly ash*) batubara, dapat dimanfaatkan sebagai media tanam. Pupuk Kandang ayam merupakan pupuk organik yang memiliki unsur hara lengkap bagi tanaman. Penelitian ini bertujuan untuk mengetahui interaksi dan dosis terbaik dari penggunaan media tanam *fly ash* dan pupuk kandang ayam terhadap pertumbuhan dan hasil tanaman krisan (*Chrysanthemum morifolium* Ramat). Penelitian ini dilaksanakan di Desa Majalaya, Kabupaten Bandung pada bulan April sampai bulan Juli 2018. Metode yang digunakan adalah metode eksperimen menggunakan Rancangan Acak Lengkap (RAL) faktorial dengan dua faktor, faktor pertama dosis media tanam *fly ash* batubara (0%, 25%, 50% dan 100%), sedangkan faktor kedua yaitu dosis pupuk kandang ayam ($0\ t\ ha^{-1}$, $20\ t\ ha^{-1}$, $30\ t\ ha^{-1}$, $40\ t\ ha^{-1}$), sehingga terdapat 20 perlakuan dengan 3 kali ulangan. Hasil penelitian menunjukkan bahwa terjadi interaksi antara media tanam *fly ash* batubara dan pupuk kandang ayam terhadap diameter tangkai, jumlah kuntum bunga dan diameter bunga dengan dosis terbaik yaitu *fly ash* 50% and $20\ t\ ha^{-1}$ pupuk kandang ayam. Adapun pengaruh mandiri media tanam *fly ash* batubara terhadap jumlah klorofil, tinggi tanaman dan pupuk kandang ayam berpengaruh nyata pada parameter tinggi tanaman.

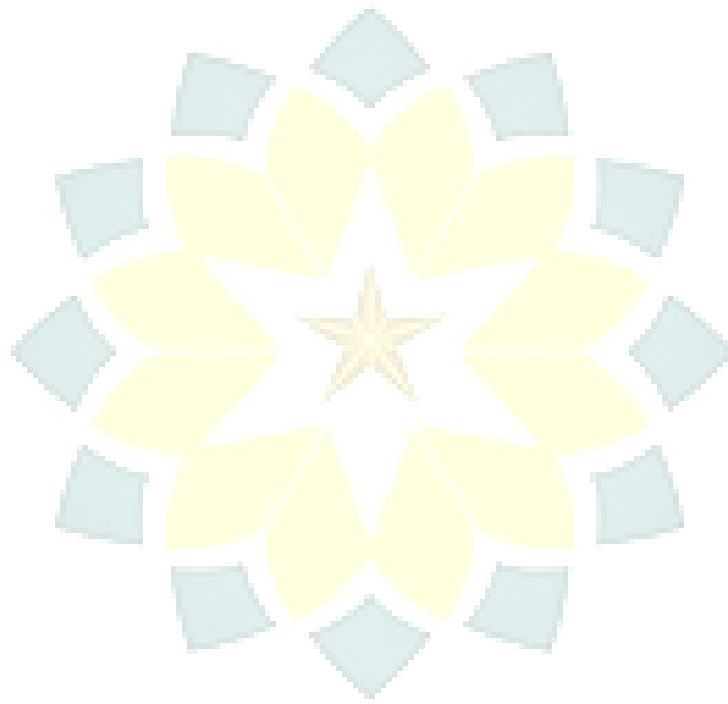
Kata Kunci: Abu Terbang (*fly ash*) Batubara, *chrysanthemum*, Pupuk Kandang Ayam

ABSTRACT

Hani Sri Meilani. 2018. Effect of Coal Feeding (fly ash) Media and Chicken Manure Fertilizer on the Growth and Yield of Chrysanthemum (*Chrysanthemum Moripholium Ramat*) Plants Supervised by Bimbingan Kundang Harisman dan Yati Setiati.

*The Increasing waste of fly ash as coal waste can be used as a media for planting Chicken manure is an organic fertilizer that has a complete amount of nutrients for the plants. This research aimed to determine the interaction and the best dosage from the used of fly ash and chicken manure on the growth and yield of chrysanthemum (*Chrysanthemum morifolium Ramat*). This research has been carried out in Majalay, Bandung starting from April to July 2018. The method used in this research was Completely Rendomized Factorial Design with two factors, the first factor was fly ash dosage as planting media (0%, 25%, 50% and 100%), the second factor was chicken manure dosage (0 t ha⁻¹, 20 t ha⁻¹, 30 t ha⁻¹ and 40 t ha⁻¹) therefore there were 20 treatment with 3 replications. The results showed that the interaction between fly ash and chicken manure as planting media significantly affected stalk diameter, the amount of flower and flower diameter 50% and 20 t ha⁻¹ chicken manure as the best dosage. As for the independent effect, fly ash significantly effect the amount of chlorophyll and chicken manure significantly showed an independent effect against the plant height.*

Keywords: chicken manure , chrysanthemum, fly ash.



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