

Aplikasi Trichoderma Sebagai Pupuk Hayati Terhadap Produksi dan Mutu Benih Kacang Hijau (*Vigna radiata* L.) Varietas Vima Pada Polibag.
*(Trichoderma Application As Biological Fertilizer on Production and Seed Quality of Green Beans (*Vigna radiata* L.) Vima Variety on Polybag.*

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ABSTRACT

One of methods to increase the production and seed quality of green beans are using Trichoderma as biological fertilizer. This research was aimed to search the best dosage and interval of Trichoderma on seed production and quality of green beans Vima variety on polybag. The experiment was conducted in State Polytechnic of Jember from November, 2014 to January, 2015. Factorial randomized design was used as the experimental design which consist two factors. The first factor was the dosage of Trichoderma consist of dosage of Trichoderma 15 grams (D1) and dosage of Trichoderma 20 grams (D2). The second factor was the time application of Trichoderma consist of 7 DBP (T1), and plant Trichoderma with the green beans (T2). The result showed that the dosage of Trichoderma 15 grams gave significantly effect in sum of productivity branches on 35 DAP. The application of plant Trichoderma with the green beans (T2) gave significantly effects in sum of productivity branches on 28 and 35 DAP and sum of pod. There is no interaction between the dosage and interval of Trichoderma on production and seed quality of green beans .

Keywords : *Trichoderma, Dosage, Interval, Green Beans, Seed Production.*