

**Pengaruh Aplikasi Cendawan *Trichoderma* sp. Terhadap Pertumbuhan Bibit Kakao (*Theobroma cacao*) Dengan Perlakuan OSC (*Orthotropic shoot cocoa*) Varietas Sulawesi 1 dan ICCRI 3.** *Application Effect of Trichoderma sp. Against the growth of cocoa seedlings (*Theobroma cacao*) with OSC (orthotropic shoot cocoa) treatment varieties Sulawesi 1 and ICCRI 3.* Supervised by Putri Santika, S.ST., M.Sc

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### **ABSTRACT**

*Cocoa is one of the plantation crops that has a fairly high selling value besides oil palm and rubber, the need for cocoa in Indonesia is sufficient and Indonesia can export, but every year cocoa production in Indonesia continues to decline, in addition to the increasingly narrow land, slow cocoa growth and lack of seed supply. Many things have been done to overcome this, including using Trichoderma. This study aims to determine the right dose to increase cocoa growth. This research was conducted from December to February 2021 at the Coffee and Cocoa Research Center. The experimental design used was a factorial completely randomized design (CRD) consisting of 2 factors, the first factor was cocoa variety consisting of Sulawesi 01 (V1) and ICCRI 03 (V2), while the second factor was Trichoderma dosage consisting of 0 (D1), 12.5 gr/liter (D2), and 25 gr/liter (D3). The results showed that the use of Trichoderma 12.5 g/liter - 25 g/liter had no significant effect on the parameters of plant height and stem diameter. at a dose of 25 g/liter had no significant effect on the number of leaves*

**Key Word :** *Tridhoderma sp, Orthotropic shoot cocoa, Cocoa*