PROPAGATION OF THE FUNGUS *Trichoderma harzianum* UPN 16 ON VARIOUS MEDIA FOR CONTROLLING *Fusarium* sp. ON CHILI SEEDS

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ABSTRACT

This study aims to test the suitable media for the growth and multiplication of *Trichoderma harzianum* UPN 16 for the control of *Fusarium* sp. on chili seedlings. The research was conducted at the Plant Protection Laboratory of UPN Veteran Yogyakarta. The method used consisted of 2 stages, namely: *T. harzianum* UPN 16 propagation test on various media (rice, corn, cocopeat, and bran) and *T. harzianum* UPN 16 isolate test against *Fusarium* sp. on chili seedlings using a completely randomized design (RAL). Quantitative parameters were tested using ANOVA followed by DMRT test if the results were significant. The results showed that in the propagation test method of *T. harzianum* UPN 16 the best rice media in the parameters of visual observation, weight loss, humidity and equivalent in the parameters of *T. harzianum* UPN 16 isolate against *Fusarium* sp. on chili seedlings showed that the use of *T. harzianum* UPN 16 on rice and corn media could not suppress the emergence of the disease.

Key words: *Trichoderma harzianum* UPN16, *Fusarium* sp., propagation media, chili seedlings.