

Viability Test of *Metarhizium anisopliae* (Mestch.) Sorokin on Various Propagation Media

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ABSTRACT

This research is about the viability test of *Metarhizium anisopliae* (Mestch.) Sorokin fungus on various propagation media. The propagation media used are: corn rice, rice bran, and corn bran. Conducted in November - December 2023 at the Plant Protection Laboratory of Jember State Polytechnic. The purpose of this study was to determine the effect of propagation media on the growth of *Metarhizium anisopliae* fungus. This study used a completely randomized design (CRD) and was further tested with 5% F test. The parameters observed were incubation period, growth rate, and spore density. The results showed that the propagation media had no significant effect on the incubation period, but had a very significant effect on the growth rate and spore density of *Metarhizium anisopliae* fungus.

Keywords: Viability, *Metarhizium anisopliae*, Propagation media