Identification Of Morphology and Density of *Metarhizium anisopliae* (Metch) Sorokin Spores During Storage at Room Temperature (25º Celcius)

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ABSTRACT

Reaseach on the identification of morphology and density of *Metarhizium anisopliae* (Metch) Sorokin spores during storage at room temperature (25° C) was carried out in September to November 2022 at the Jember State Polytecnhic Plant Protection Laboratory. This reaseach was carried out using the descriptive method by observing the morphology and fungus. Observation parameters in the form of microscopic morphology and macroscopic morphology of the fungus as well the density of spores from the fungus show the fungus has an initial colony color of white as times goes by the fungus changes color to dark green, whereas when observation morphology using microscope the fungus has long, egg shaped spores until cylindrical and form chains, single celled conidia, with insulated mycelium, the highest spore density is achieved when the fungus is 28 HSI that is 49×10^9

Keyword : Metarhizium anisopliae, macroscopic morphology, microscopic morphology