

In Vitro Test Of The Antifungi Power Of Propolis Against *Fusarium Sp.*

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ABSTRACT

Plant Pest Organisms (OPT) are often found in plants. OPT is an organism that disturbs life, damages and causes death in plants. The fungus *Fusarium sp* is one of the fungi that causes stem rot disease in corn plants. To prevent this from happening, a vegetable fungicide is needed which functions to prevent decay in plants caused by *Fusarium sp*. Propolis is a bee product that has antiviral, bacterial and fungal properties, which has the potential to function as a vegetable function. This study aims to determine the potential of Propolis in inhibiting the growth of the fungus *Fusarium sp*. in vitro. This research was conducted from 14 December 2022 to 4 January 2023 at the Jember State Polytechnic Bioscience Laboratory. This study used the well method on petri dishes with 6 treatments of Propolis concentration. From the results of this study it can be seen that all concentrations of propolis treatment from 10% to 50% concentration can inhibit the growth of the fungus *Fusarium sp*. Through the results of the BNT advanced test analysis, the treatment of propolis concentrations of 50%, 40%, and 30% showed no significant differences.

Keywords : *Fusarium sp.*, *Propolis*.