

**THE RED GALANGAL EXTRACT (*Alpinia purpurata* K. Schum) AS  
NATURAL FUNGICIDE OF *Colletotrichum sp* MUSHROOM GROWTH  
OF CITRUS PLANT (*Citrus spp*)**

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**ABSTRACT**

The purpose of this research to know use of red galangal extract (*Alpinia purpurata* K. Schum) can used as natural fungicide in inhibit of *Colletotrichum sp* mushroom growth cause antraknosa disease of citrus plant (*Citrus spp*). This research is experimental with make a red galangal extract in 6 concentrations is 30%, 40%, 50%, 60%, 70%, and control with aquades. The parameters measured is diameters of *Colletotrichum sp* mushroom growth. This research was conducted every 1x24 hour for 5 days. This research was conducted at Laboratory of Biology FKIP Pasundan University Bandung. Based on research result at concentration of 30% there is an average mushroom growth of 4,6 mm, at concentration of 40% there is an average mushroom growth of 1,8 mm, and the control with aquades there is an average 15,3 mm. While at concentration of 50%, 60%, and 70% there is no growth of the mushroom *Colletotrichum sp*. The result of this study show that at concentrations of 30%, 40%, and control can not inhibit the growth of *Colletotrichum sp* mushroom, while at concentrations of 50%, 60%, and 70% can inhibit the growth of *Colletotrichum sp* mushroom so that can be used as a natural fungicide.

**Keywords:** The red galangal extract (*Alpinia purpurata* K. Schum), Natural fungicide, Antraknosa disease, *Colletotrichum sp* mushroom