



**ANTIFUNGAL POTENTIAL OF  $\beta$ -1, 3-GLUCANASE FROM  
*Hordeum vulgare* (BARLEY) ON *Colletotrichum gloeosporioides***

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### ABSTRACT

This study determined the antifungal potential of  $\beta$ -1,3-Glucanase from *H. vulgare* on *Colletotrichum gloeosporioides*. In this experiment, 25%, 50% and 75% concentrations of  $\beta$ - 1,3-glucanase was induced to 6 mm filter paper disks. The culture media inoculated with *Colletotrichum gloeosporioides* were exposed to the enzyme,  $\beta$ -1,3-glucanase through disk diffusion assay. The result showed that the different concentrations did not exhibit varying degree of inhibition against *Colletotrichum gloeosporioides* which is comparable to the untreated group. Hence, the present result suggested that class II of  $\beta$ -1,3-glucanase found in barley have no antifungal potential against *Colletotrichum gloeosporioides* ,regardless of the concentration.

*Key words:* Anthracnose,  $\beta$ - 1,3-glucanase, *Colletotrichum gloeosporioides*



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