

***Effect of Giving Banana Weevils Enriched with  $\beta$ -Glucan Fiber from  
Saccharomyces cerevisiae on Broiler Production Performance  
As Chief Conselour Prof. Dr. Ir. Ujang SuryadiM.P., IPM***

***Muhammad Nasihul Ibad  
Study Program of Poultry Business Mangement  
Department of Animal Science***

**ABSTRACT**

*The purpose of this study was to determine the effect of giving banana weevil flour enriched with  $\beta$ -glucan from the yeast Saccharomyces cerevisiae on the performance of broiler chickens. The research was conducted at the Jember State Polytechnic cage from June to September 2020. This research used the Completely Randomized Design (CRD) method which was then analyzed for variance and if there was a significant difference a Least Significant Difference (LSD) test would be carried out. This study used 5 treatments, each treatment was repeated 4 times. Each replicate was P0 (feed treatment without banana weevil flour), P1 (feed treatment plus 25 ppm  $\beta$ -glucan), P2 (feed treatment plus 50 ppm  $\beta$ -glucan), P3 (feed treatment plus 75 ppm  $\beta$ -glucan) , and P4 (feed treatment plus 100 ppm  $\beta$ -glucan). The results showed that the administration of banana weevil enriched with  $\beta$ -glucan fiber from Sacharomyces cerevisiae had no significant effect on feed consumption, body weight gain, feed conversion, and broiler mortality. The conclusion is that the addition of banana weevil enriched with  $\beta$ -glucan fiber can be given to broilers up to 100 ppm and has no negative effect on broiler performance.*

**Keywords:**  *$\beta$ -glucan, banana weevil, Saccharomyces cerevisiae, broiler chicken*