

**Viability of the Biological Agent *Beauveria Bassiana* On
Various Kinds of Media Propagation
And Temperature Storage**

ABSTRACT

This study aims to determine the effect of media and storage temperature on the viability of *B.bassiana* spores and several kinds of media. The research was conducted at the Jember State Polytechnic Plant Protection Laboratory. This research was conducted using the CRD method (completely randomized design) with 3 kinds of multiplication of media as treatment and 2 kinds of temperature repeated 4 times. M1 = Rice Bran, M2 = Rice, Corn, M3 = Menir Rice, D2 = 50C (refrigerator temperature), D1 = 270C (room temperature). The observation data were analyzed using the F (Ftest) 5% test and continued with the 5% LSD (Least Significant Difference) test. Observations were made after H + 7 after inoculation for 14,21,28,35 and 42 days, respectively. The results showed that the propagation medium had a very significant effect on the viability of *B.bassiana* fungi, the storage temperature had a very significant effect on the viability of *B.bassiana*, and combination of propagation medium and storage temperature had a very significant effect on the viability of *B.bassiana*, with the best treatment is rice bran and rice groats, at a temperature of 27⁰C.

Keywords: *B. bassiana*, Temperature Storage, Media