

ABSTRACT

EFFICACY TEST OF *Pseudomonas fluorescens* BACTERIA ON SWEET CORN FILOSFER AGAINST DOWNY MILDEW IN THE FIELD

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One of the downy mildew control on corn crop currently being done is biological control using *Pseudomonas fluorescens*. This experiment was aimed to evaluate the efficacy of *P. fluorescens* on fylosfer (leaf surface) of maize plants in controlling downy mildew in the field. The experiment was arranged by randomized block design (RBD) and consisted of 4 treatments i.e., control, Pf1 isolate, Pf2 isolate, and Pf3 isolate with three replicates. Data were analyzed with ANOVA and followed by Duncan test at 5% level. The results of experiment showed that the application of *P. fluorescens* (Pf1, Pf2, and Pf3) did not effect on the incidence of downy mildew on corn.