



INTISARI

Hama penting yang menyerang beras di penyimpanan adalah *Sitophilus oryzae*. Penelitian ini bertujuan untuk mengetahui pengaruh pemberian daun *Piper sarmentosum* untuk mengendalikan *S. oryzae* pada beras. Penelitian dilakukan di Sub Laboratorium Entomologi, Laboratorium Ilmu Hama Tanaman, Fakultas Pertanian, Universitas Gadjah Mada, Yogyakarta. Penelitian dilakukan dengan dua metode uji, yaitu kontak dan fumigasi. Rancangan yang digunakan adalah Rancangan Acak Lengkap dengan konsentrasi 0%; 0.25%; 0.5%; 1%; 2%; 4%; dan 5%. Hasil penelitian menunjukkan dengan metode kontak, konsentrasi 2%; 4%; dan 5% dapat menyebabkan mortalitas imago lebih dari 50% dari jumlah keseluruhan keseluruhan imago. Pada metode fumigasi, konsentrasi terendah (0.25%) dapat menyebabkan mortalitas sebanyak 97%.

Kata kunci: *S. oryzae*, *P. sarmentosum*, kontak, fumigasi, mortalitas.



ABSTRACT

Sitophilus oryzae is an important pest that attacks rice in storage. The aim of this research is to know the effect of giving *Piper sarmentosum* leaves to control *S. oryzae* on rice. The research was conducted at the Sub Laboratory of Entomology, Laboratory of Plant Pest Sciences, Faculty of Agriculture, Gadjah Mada University, Yogyakarta. The study was conducted with two test methods, contact and fumigation. The design used was a completely randomized design with a concentration of 0%; 0.25%; 0.5%; 1%; 2%; 4%; and 5%. The results of this research showed that by contact method, concentration of 2%; 4%; and 5% can cause the mortality of imago more than 50% of the total imago. In the fumigation method, the lowest concentration (0.25%) can cause a mortality up to 97%.

Keywords: *S. oryzae*, *P. sarmentosum*, contact, fumigation, mortality.