INTISARI

Penelitian Uji Efektivitas Serbuk Daun Sukun (*Artocarpus altilis*) Sebagai Pengendali Hama Kutu Jagung (*Sitophilus zeamais*), bertujuan untuk mengetahui efektivitas serbuk daun daun sukun sebagai pestisida nabati terhadap hama kutu jagung dan mendapatkan dosis yang tepat. Penelitian dilaksanakan di Laboratorium Proteksi Fakultas Pertanian Universitas Muhammadiyah Yogyakarta pada Desember 2017 sampai Maret 2018. Penelitian dilaksanakan menggunakan metode eksperimen faktor tunggal yang disusun dalam rancangan acak lengkap (RAL). Perlakuan yang diujikan yaitu serbuk daun sukun dosis 5 gram, 10 gram, 15 gram ditambah perlakuan pestisida sintetik phostoxin sebanyak 0,0009 gram dan 1 perlakuan kontrol. Hasil penelitian menunjukkan bahwa pemberian serbuk daun sukun dosis 5 gram/100 gram jagung sudah efektif mengendalikan hama *Sitophilus zeamais*, namun pemberian serbuk daun sukun berpengaruh terhadap aroma dan rasa jagung.

Kata kunci : Serbuk daun sukun, *Sitophilus zeamais*, phostoxin

ABSTRACT

Test Research Effectiveness of Powdered Leaves Breadfruit (Artocarpus altilis) as Pest Control Fleas Maize (Sitophilus zeamais) aims to determine the effectiveness of leaf powder as a breadfruit leaves against pest infestation pesticide plant corn and getting the right dose. Research conducted at the Laboratory of Protection Faculty of Agriculture, University of Muhammadiyah Yogyakarta in December 2017 to March 2018. The research was conducted using the method of single factor experiments were arranged in a completely randomized design (CRD). The treatment being tested is a breadfruit leaf powder dose of 5 grams, 10 grams, 15 grams of synthetic pesticides phostoxin plus treatment as much as 0.0009 gram and one control treatment. The results showed that administration of breadfruit leaf powder dose of 5 grams / 100 grams of corn effectively controls the pest Sitophilus zeamais, besides giving a breadfruit leaf powder affect the aroma and flavor of corn.

Keyword : breadfruit leaf powder, Sitophilus zeamais. phostoxin