

**VARIASI KONSENTRASI EKSTRAK DAUN KENIKIR (*Cosmos caudatus*)
MENGAKIBATKAN PERBEDAAN INTENSITAS SERANGAN HAMA
ULAT TRITIP (*Plutella xylostella*) DAN BERAT BASAH TANAMAN
PAKCOY (*Brassica rapa L.*)**

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Abstrak

Penelitian ini bertujuan untuk mengetahui: (1) Adanya perbedaan persentase intensitas serangan hama ulat tritip (*Plutella xylostella*) akibat pemberian ekstrak daun kenikir (*Cosmos caudatus*) dengan konsentrasi 5%, 10%, 15%, 20%, dan 25%. (2) Adanya perbedaan berat basah pakcoy (*Brassica rapa L.*) akibat pemberian ekstrak daun kenikir (*Cosmos caudatus*) dengan konsentrasi 5%, 10%, 15%, 20%, dan 25%. Penelitian ini merupakan penelitian eksperimen sungguhan (true experimental) dengan rancangan acak lengkap (RAL) dalam 5 perlakuan yaitu pada konsentrasi 5%, 10%, 15%, 20%, 25% dan kontrol. Sampel penelitian adalah pakcoy sebanyak 24 tanaman yang nantinya akan diinvestasikan larva sebanyak 10 ekor. Data kemudian dianalisis dengan uji statistik menggunakan ANOVA satu arah dan uji lanjut Beda Nyata Terkecil (BNT) dengan taraf signifikansi 5%. Hasil penelitian menunjukkan bahwa pemberian ekstrak daun kenikir dapat menyebabkan perbedaan persentase intensitas serangan dan berat basah tanaman. Dapat disimpulkan dalam penelitian ini variasi konsentrasi ekstrak daun kenikir mengakibatkan perbedaan persentase intensitas serangan hama dan berat basah tanaman.

Kata Kunci: Daun kenikir, Ulat tritip, Intensitas serangan, Berat basah

VARIATION CONCENTRATION KENIKIR (*Cosmos caudatus*) LEAF EXTRACT MAKE A DIFFERENCES IN INTENSITY ATTACKS OF TRITIP CATERPILLAR (*Plutella xylostella*) AND WET WEIGHT OF PAKCOY (*Brassica rapa* L.)

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Abstract

*This study aims to determine: (1) There is a difference in the intensity of attack by tritip caterpillars (*Plutella xylostella*) due to the administration of kenikir leaf extract (*Cosmos caudatus*) with concentrations of 5%, 10%, 15%, 20%, and 25%. (2) There were differences in wet rice pakcoy (*Brassica rapa* L.) due to the administration of kenikir (*Cosmos caudatus*) leaf extract with concentrations of 5%, 10%, 15%, 20%, and 25%. This study is a true experimental study with a completely randomized design (CRD) in 5 treatments, namely at concentrations of 5%, 10%, 15%, 20%, 25% and control. The research sample was 24 pakcoy wich will later be invested 10 tritip caterpillars. The data were then analyzed by statistical test using one-way ANOVA and the Least Significant Difference (LSD) follow-up test with a significance level of 5%. The results showed that the administration of kenikir leaf extract could cause differences in the percentage of attack intensity and plant wet weight. The conclusion of this study is that variations concentration of kenikir leaf extract make a differences percentages of pest attack intensity and plant wet weight.*

Keywords: kenikir leaf, tritip caterpillar, attack intensity, wet weight