PENGARUH APLIKASI INSEKTISIDA TANDAN KOSONG KELAPA SAWIT TERHADAP POPULASI DAN MORTALITAS HAMA URET TEBU *(Lepidiota stigma* F.*)* DI DESA GRATI KECAMATAN SUMBERSUKO KABUPATEN LUMAJANG

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ABSTRAK

Penelitian mengenai pengaruh aplikasi insektisida tandan kososng kelapa sawit terhadap populasi dan mortalitas hama uret tebu (*Lepidiota stigma* F.) dilakukan pada bulan April-Juni 2023 yang dilaksanakan di Desan Grati Kecamatan Sumbersuko Kabupaten Lumajang. Penelitian ini dilakukan dengan menggunakan metode T-test Independent dengan dua perlakuan, yaitu aplikasi insektisida tandan koson kelapa sawit (TKKS) dan tanpa aplikasi. Parameter pengamatan berupa populasi hama uret tebu, mortalitas hama uret tebu, dan perubahan fisik hama uret tebu. Hasil penelitian menunjukkan bahwa aplikasi insektisida TKKS dengan konsentrasi 2,5% berpengaruh nyata terhadap populasi, mortalitas, dan perubahan fisik hama uret tebu (*Lepidiota stigma* F.), dengan penurunan populasi hama uret tebu hingga 1,77 larva per rumpun dan mortalitas hama uret tebu sebesar 43%.

Kata Kunci : Uret tebu, populasi, mortalitas, insektisida nabati, tandan kosong kelapa sawit (TKKS).

Effect of Palm Oil Empty Fruit Bunch Insecticide Application on Population and Mortality of Sugarcane Urethral Pest (Lepidiota stigma F.) in Grati Village, Sumbersuko Subdistrict, Lumajang Regency

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ABSTRACT

Research on the effect of the application of oil palm empty fruit bunches insecticide on the population and mortality of sugarcane uret pests (Lepidiota stigma F.) was conducted in April-June 2023 at Grati Village, Sumbersuko District, Lumajang Regency. This study was conducted using the Independent T-test method with two treatments, namely the application of palm oil bunch insecticide (TKKS) and without application. The observation parameters were sugarcane uret population, mortality of sugarcane uret pests, and physical changes in sugarcane uret pests. The results showed that the application of TKKS insecticide with a concentration of 2.5% had a significant effect on the population, mortality, and physical changes in sugarcane ureters (Lepidiota stigma F.), with a decrease in the sugarcane ureters population to 1.77 larvae per clump and mortality of sugarcane ureters by 43%.

Keywords : Sugarcane vine, population, mortality, plant-based insecticide, oil palm empty fruit bunch (TKKS).