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Submission title: Uji LARVASIDA EKSTRAK BELIMB..
File name: Artikel_Fix_2.docx
File size: 64.31K
Page count: 11
Word count: 4,156
Character count: 26,211
Submission date: 12-Oct-2020 11:32AM (UTC+0700)
Submission ID: 1412511091

UJI LARVASIDA EKSTRAK BELIMBING WULUH (*Averrhoa bilimbi* L.) PADA LARVA *Aedes aegypti*

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ABSTRAK

Pendahuluan: Nyamuk *Aedes aegypti* merupakan nyamuk vektor penyebab Demam Berdarah Dengue (DBD). Dinkes Jombang menyatakan kasus Demam Berdarah Dengue (DBD) di Kabupaten Jombang pada tahun 2019 masih tinggi dengan angka tertinggi sebanyak 36 penderita terdapat di Kecamatan Perak. Penggunaan larvasida kimia sangat berdampak buruk bagi masyarakat lingkungan, maka dilakukan alternatif lain yaitu dengan penggunaan larvasida alami yang berasal dari tumbuhan salah satunya adalah belimbing wuluh (*Averrhoa bilimbi* Linn). **Tujuan:** untuk mengetahui kemampuan ekstrak belimbing wuluh (*Averrhoa bilimbi* Linn) dalam membunuh larva *Aedes aegypti*. **Desain:** Literature review. Data atau jurnal yang digunakan berasal dari database Google scholar, scispace, dan OASis. **Metode:** dalam pencarian literature review ini menggunakan keyword "larvasida" AND "belimbing wuluh/Averrhoa bilimbi Linn" AND "*Aedes aegypti*". **Hasil:** Didapatkan hasil 1001 jurnal yang sesuai kata kunci dan diseleksi sebanyak 856 jurnal dikelosi karena terbitan sebelum tahun 2010 dan menggunakan bahasa selain bahasa Indonesia dan bahasa Inggris yang kemudian didapatkan 5 jurnal yang sesuai dengan kriteria inklusi. **Kesimpulan:** Berdasarkan literature review jurnal yang didapatkan menyatakan bahwa ekstrak belimbing wuluh (*Averrhoa bilimbi* Linn) efektif dalam membunuh larva nyamuk *Aedes aegypti*. **Saran:** adanya hasil ini diharapkan ekstrak belimbing wuluh dapat di aplikasikan sebagai larvasida alami terhadap larva *Aedes aegypti*.

Kata Kunci : *Aedes aegypti*, *Averrhoa bilimbi* L./belimbing wuluh, Larvasida

LARVICIDE TEST OF EXTRACT OF WULUH STARFRUIT (*Averrhoa bilimbi* Linn) ON *Aedes aegypti* LARVA

ABSTRACT

Introduction: The *Aedes aegypti* mosquito is a vector mosquito that causes Dengue Hemorrhagic Fever (DHF). THE Jombang Health Office stated that the cases of Dengue Hemorrhagic Fever (DHF) in Jombang Regency in 2019 were still high with the highest number of 36 patients in Perak District. The use of chemical larvicides has a very bad impact on humans and the environment, so another alternative is to use natural larvicides derived from plant, one of which is wuluh starfruit (*Averrhoa bilimbi* Linn). **Objective:** to determine the ability of wuluh starfruit extract (*Averrhoa bilimbi* Linn) in killing *Aedes aegypti* larvae. **Design:** Literature review. The date or journals used come from the Google scholar, Scispace, and OASis database. **Methods:** The method in searching this literature review is "larvasida" AND "starfruit/Averrhoa bilimbi Linn" AND "*Aedes aegypti*". **Results:** The result obtained were 1001 journals that matched the keywords and then selected as many as 856 journals excluded because they were published before 2010 and used languages other than Indonesian and English, while then obtained 5 journals that match the inclusion criteria. **Conclusions:** Based on the journals review literature, it was found that wuluh starfruit extract (*Averrhoa bilimbi* Linn) was effective in killing *Aedes aegypti*.