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Penulis Koresponden	:	Yeni Yeni

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1	Bukti konfirmasi submit artikel	16 Agustus 2023
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1

Bukti konfirmasi submit artikel
(16 Agustus 2023)



Yeni Uhamka Klender <yeni@uhamka.ac.id>

[jsk] Submission Acknowledgement

Journal Editor <admin@farmasi.unmul.ac.id>

Wed, Aug 16, 2023 at 4:24 PM

To: Yeni Yeni <yeni@uhamka.ac.id>

Dear Yeni Yeni:

Thank you for submitting the manuscript, "Toxicity of Anti-Inflammatory Substances in Hemigraphis Alternata Leaves: In Silico Study Using ProTox-II" to Jurnal Sains dan Kesehatan. With the online journal management system that we are using, you will be able to track its progress through the editorial process by logging in to the journal web site:

Submission URL: <https://jsk.farmasi.unmul.ac.id/index.php/jsk/authorDashboard/submission/1975>

Username: yenikind

If you have any questions, please feel free to contact me. Thank you for considering this journal as a venue for your work.

Thank you.

Best regards,

Journal Editor

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Bukti konfirmasi artikel accepted
(29 Oktober 2023)



Yeni Uhamka Klender <yeni@uhamka.ac.id>

[jsk] Editor Decision

Journal Editor <admin@farmasi.unmul.ac.id>

Sun, Oct 29, 2023 at 5:35 PM

To: Yeni Yeni <yeni@uhamka.ac.id>, Rizky Arcintha Rachmania <arcintha.rizky@gmail.com>

Dear Yeni Yeni, Rizky Arcintha Rachmania:

We have reached a decision regarding your submission to Jurnal Sains dan Kesehatan, "Toxicity of Anti-Inflammatory Substances in Hemigraphis Alternata Leaves: In Silico Study Using ProTox-II".

Our decision is to: Accept Submission

Thank you.
Best regards,

{\${editorialContactName}}

Reviewer C:
Recommendation: Accept Submission

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3

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Toxicity of Anti-Inflammatory Substances in Hemigraphis Alternata Leaves: In Silico Study Using ProTox-II

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Keywords: in silico, toxicity, Hemigraphis alternata, anti-inflammatory, ProTox-II

ABSTRACT

Hemigraphis alternata is empirically used to treat wounds. *Hemigraphis alternata* leaves ethyl acetate extract can assist in resolving the inflammatory process by inhibiting enzymes that play a role in the inflammatory cycle. Twenty-two substances found in the leaves of *Hemigraphis alternata* were predicted to have an anti-inflammatory effect by inhibiting cyclooxygenase-1 (COX-1) or 5-lipoxygenase (5-LOX) as an enzyme target. In-silico toxicology was carried out to acquire new anti-inflammatory drugs with low toxicity from 22 compounds. ProTox-II was utilized to measure the level of toxicity of these drugs at many endpoints. In this study, five compounds have LD₅₀ > 5000 mg/kg body weight, toxicity class 5-6, and inactive for cytotoxicity, carcinogenicity, hepatotoxicity, mutagenicity and immunotoxicity parameters. They are 2-methylenooctanenitrile, nerolidol, 2,7-dioxatricyclo[4.4.0.0(3,8)]deca-4,9-diene, 9,9-



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dimethoxybicyclo[3.3.1]nonane-2,4-dione, and phytol.

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