

Nama Jurnal : **Journal of Tropical Pharmacy and Chemistry (JTPC)**

Indeks : **Sinta 3**

Link : <https://jtpc.farmasi.unmul.ac.id/index.php/jtpc/article/view/323>

Judul Artikel : **In Silico Study of Pulutan (*Urena lobata*) Leaf Extract as Anti Inflammation and their ADME Prediction**

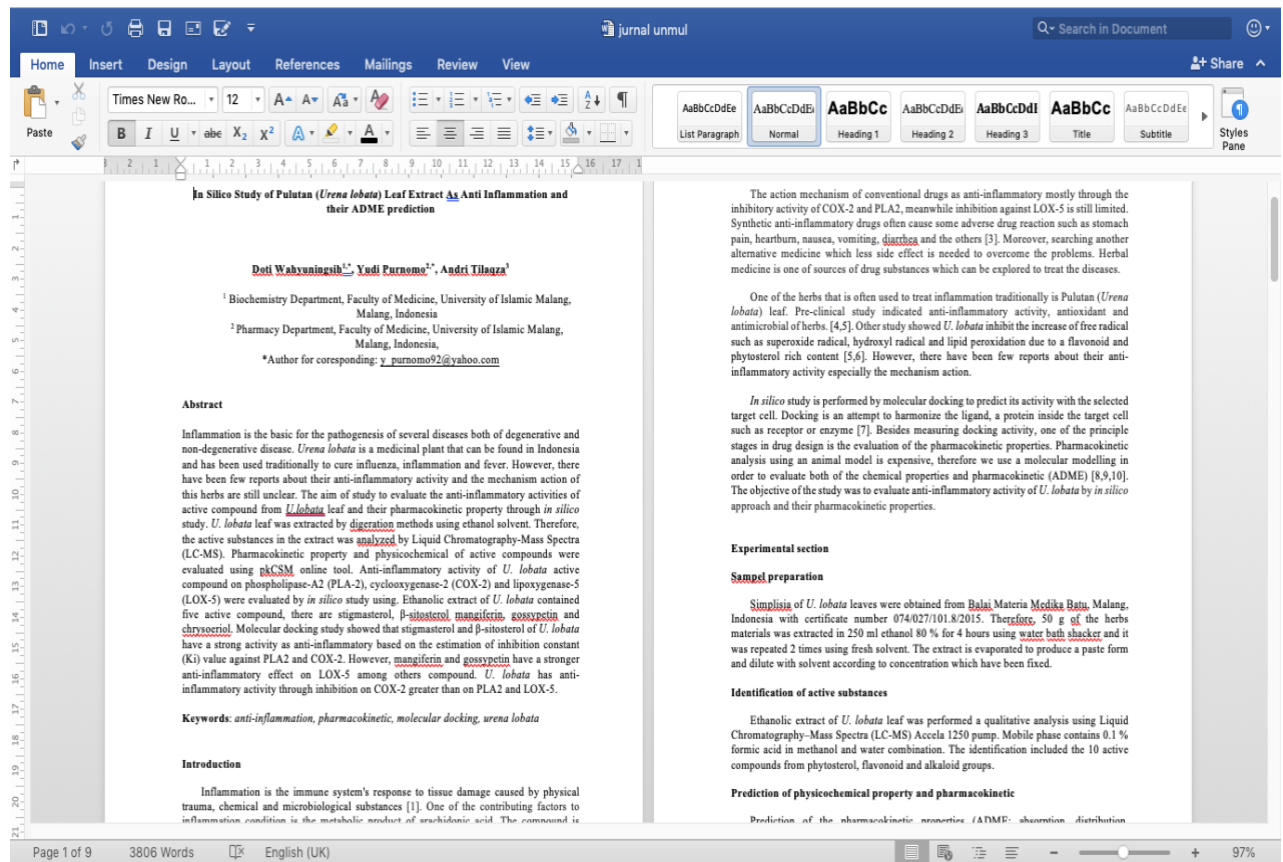
Tanggal	Activity	Reviewer Comments
31-03-2021	Submission of article	
03-02-2021	Editor responses	Article has been received by editor
14-06-2021	Editor responses	Revision of article is required
17-06-2021	Resubmit the revised article	
29-06-2021	Editor responses	Article is accepted
08-02-2021	Editor responses	Production step
29-06-2022	Editor responses	On line published

The screenshot displays the author dashboard for submission 323. The page is titled "Journal of Tropical Pharmacy and Chemistry" and includes a "Back to Submissions" link. The main content is organized into three sections:

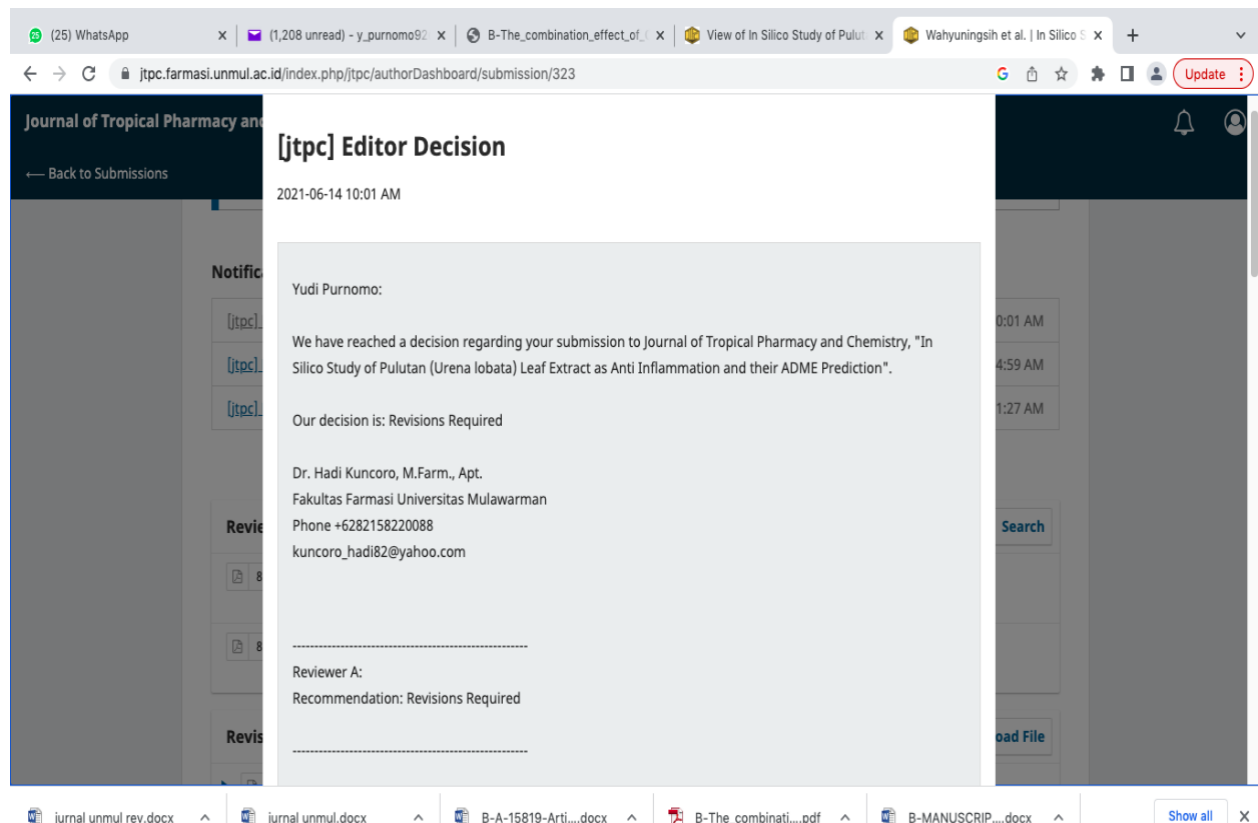
- Notifications:** A list of three notifications, each labeled "[jtpc] Editor Decision", with timestamps: 2021-06-14 10:01 AM, 2021-06-29 04:59 AM, and 2022-02-08 11:27 AM.
- Reviewer's Attachments:** A section with a search bar and two attachments: "857 ,reviewer 1 323-Article Text-837-1-4-20210421.pdf" (dated June 14, 2021) and "858 , 323-Article Text-837-1-4-20210421 (1).pdf" (dated June 14, 2021).
- Revisions:** A section with search and upload file buttons, showing one revision: "859 Article Text, JTPC revised 1.docx" (dated June 17, 2021).

The browser's taskbar at the bottom shows several open files, including "+323-Article+Te...", "+reviewer+1+32...", "jurnal unmul rev.docx", "jurnal unmul.docx", and "B-A-15819-Arti...docx".

# Manuscript submission



# Editor Responses



Journal of Tropical Pharmacy and ...

← Back to Submissions

Notification

Review

Review

Does the title specific?

Yes

Originality or Novelty of the manuscript?

Medium

Does the Accuracy of data and facts of manuscript material?

Medium

Does the abstract effectively summarize the work?

Yes

Any suggestion, recommendation, and a note from your review?

1. in abstract author need explain kind of LC-MS
2. reason why choose the receptor need support from previous or another research or literature

0:01 AM

4:59 AM

1:27 AM

Search

Load File

+323-Article+Te...pdf

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jurnal unmul rev.docx

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Show all

## Editor Responses

Microsoft Word - 323-Article Text-818-1-2-20210331.docx

1 / 9 100%

1 **In Silico Study of Pulutan (*Urena lobata*) Leaf Extract as Anti Inflammation and their ADME Prediction**

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8 **Abstract**

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10 Inflammation is the basic for the pathogenesis of several diseases both of degenerative and

11 non-degenerative disease. *Urena lobata* is a medicinal plant that can be found in Indonesia

12 and has been used traditionally to cure influenza, inflammation and fever. However, there

13 have been few reports about their anti-inflammatory activity and their mechanism action are

14 still unclear. The aim of study to evaluate the anti-inflammatory activities of active

15 substances from *U.lobata* leaf and their pharmacokinetic property through *in silico* study.

16 *U. lobata* leaf was extracted by digeration methods using ethanol solvent. Therefore, the

17 active substances in the extract was analyzed by Liquid Chromatography-Mass Spectra (LC-

18 MS). Pharmacokinetic property and physicochemical of active compounds were evaluated

19 using pkCSM online tool. Anti-inflammatory activity of *U. lobata* active compound on

20 phospholipase-A2 (PLA-2), cyclooxygenase-2 (COX-2) and lipoxigenase-5 (LOX-5) were

21 evaluated by *in silico* study. Ethanolic extract of *U. lobata* contained five active compound,

22 there are stigmasterol,  $\beta$ -sitosterol mangiferin, gossypetin and chrysoeriol. Molecular

23 docking study indicated stigmasterol and  $\beta$ -sitosterol of *U. lobata* have a strong activity as

24 anti-inflammatory based on the estimation of inhibition constant (Ki) value against PLA2

25 and COX-2. Meanwhile, mangiferin and gossypetin have a stronger anti-inflammatory effect

26 on LOX-5 among others compound. *U. lobata* has anti-inflammatory activity through

27 inhibition on COX-2 greater than on PLA2 and LOX-5.

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29 **Keywords:** anti-inflammation, pharmacokinetic, molecular docking, *urena lobata*

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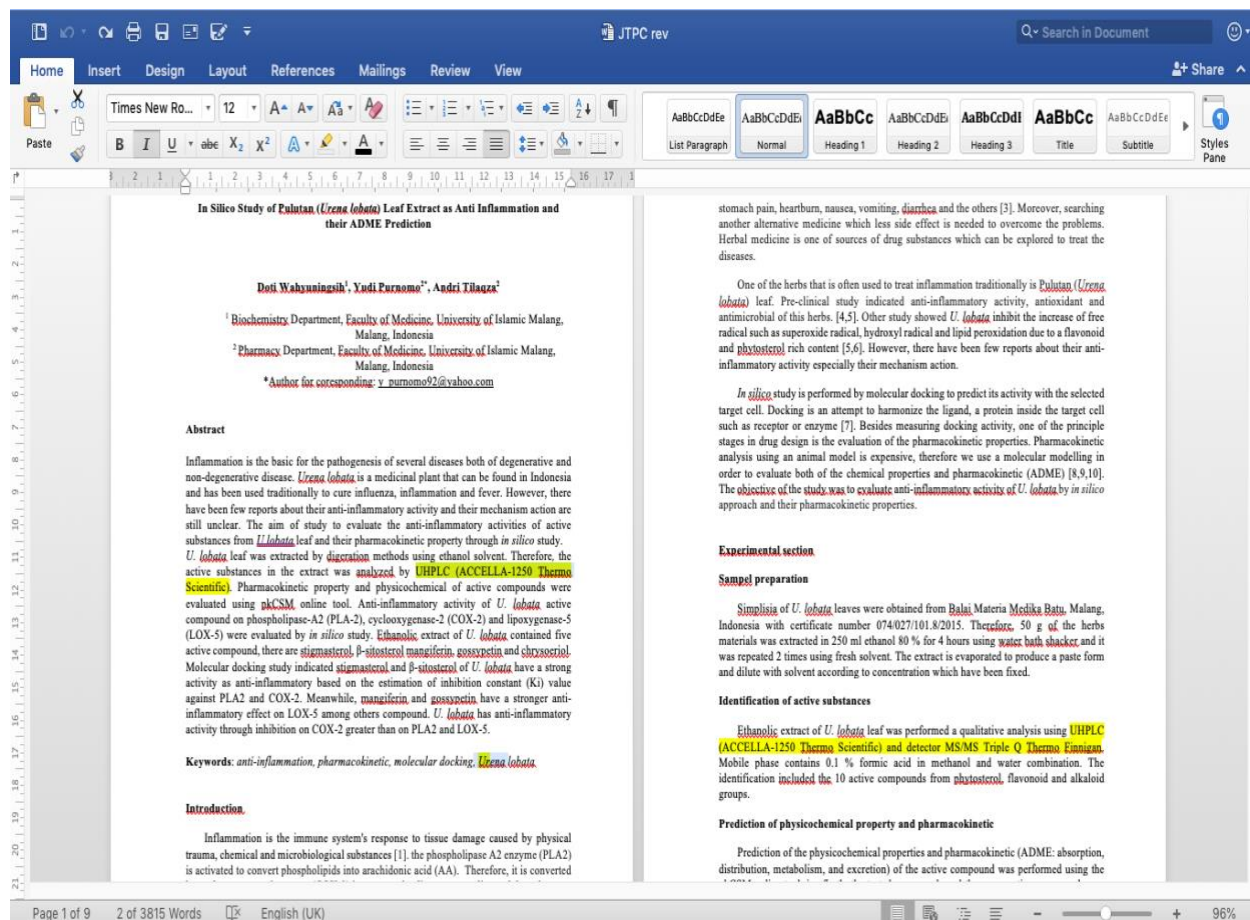
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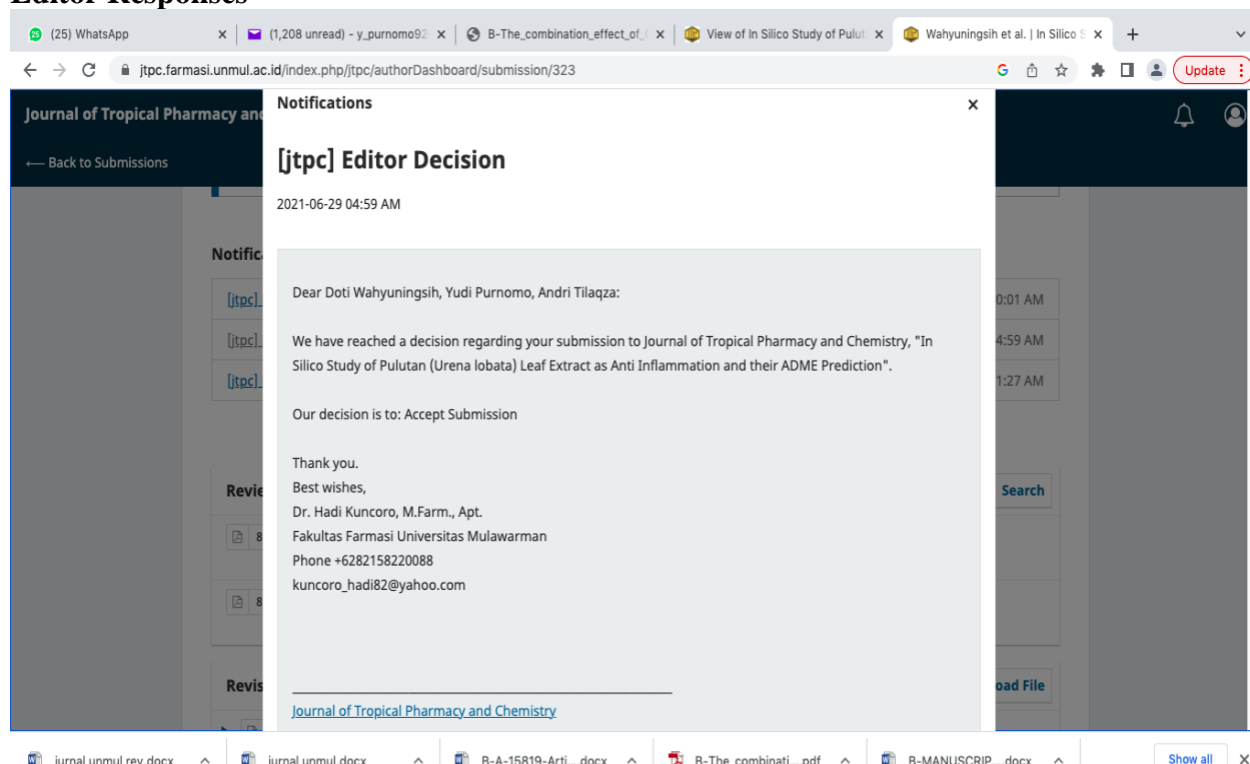
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# Resubmit revised manuscript



## Editor Responses



## Editor Responses : Production step

The screenshot shows a web browser window with several tabs. The active tab is titled "jtpc.farmasi.unmul.ac.id/index.php/jtpc/authorDashboard/submission/323". A notification pop-up is displayed in the center, titled "[jtpc] Editor Decision". The notification text reads: "2022-02-08 11:27 AM", "Doti Wahyuningsih, Yudi Purnomo, Andri Tilaqza:", "The editing of your submission, 'In Silico Study of Pulutan (Urena lobata) Leaf Extract as Anti Inflammation and their ADME Prediction,' is complete. We are now sending it to production.", and "Submission URL: <https://jtpc.farmasi.unmul.ac.id/index.php/jtpc/authorDashboard/submission/323>". At the bottom of the notification, there is a link to "Journal of Tropical Pharmacy and Chemistry". The background shows a portion of the journal's author dashboard with sections for "Notifications", "Reviews", and "Revisions".

## Editor Responses : On line published

The screenshot shows a web browser window displaying the online published article page. The URL is "jtpc.farmasi.unmul.ac.id/index.php/jtpc/article/view/323/252". The article title is "In Silico Study of Pulutan (Urena lobata) Leaf Extract as Anti Inflammation and their ADME Prediction". The authors listed are "Doti Wahyuningsih<sup>1</sup>, Yudi Purnomo<sup>2\*</sup>, Andri Tilaqza<sup>2</sup>". The journal is identified as "Journal of Tropical Pharmacy and Chemistry" with the homepage URL "https://jtpc.farmasi.unmul.ac.id". The abstract text is: "Inflammation is the basic for the pathogenesis of several diseases both of degenerative and non-degenerative disease. *Urena lobata* is a medicinal plant that can be found in Indonesia and has been used traditionally to cure influenza, inflammation and fever. However, there have been few reports about their anti-inflammatory activity and their mechanism action are still unclear. The aim of study to evaluate the anti-inflammatory activities of active substances from *Ulobota* leaf and their pharmacokinetic property through in silico study. *U. lobata* leaf was extracted by digestion methods using ethanol solvent. Therefore, the active substances in the extract was analyzed by UHPLC. Pharmacokinetic property and physicochemical of active compounds were evaluated using pkCSM online tool. Anti-inflammatory activity of *U. lobata* active compound on phospholipase-A2 (PLA-2), cyclooxygenase-2 (COX-2) and lipoygenase-5 (LOX-5) were evaluated by in silico study. Ethanolic extract of *U. lobata* contained five active compounds, there are stigmasterol,  $\beta$ -sitosterol, mangiferin, gossypetin and chrysoeriol. Molecular docking study indicated stigmasterol and  $\beta$ -sitosterol of *U. lobata* have a strong activity as anti-inflammatory based on the estimation of inhibition constant (Ki) value against PLA2 and COX-2. Meanwhile, mangiferin and gossypetin have a stronger anti-inflammatory effect on LOX-5 among others compound. *U. lobata* has anti-inflammatory activity through inhibition on COX-2 greater than on PLA2 and LOX-5." The keywords are "anti-inflammation, pharmacokinetic, molecular docking, *Urena lobata*". The submission and acceptance dates are "Submitted: 31 March 2021" and "Accepted: 29 June 2022". The DOI is "https://doi.org/10.25026/jtpc.v6i1.323".