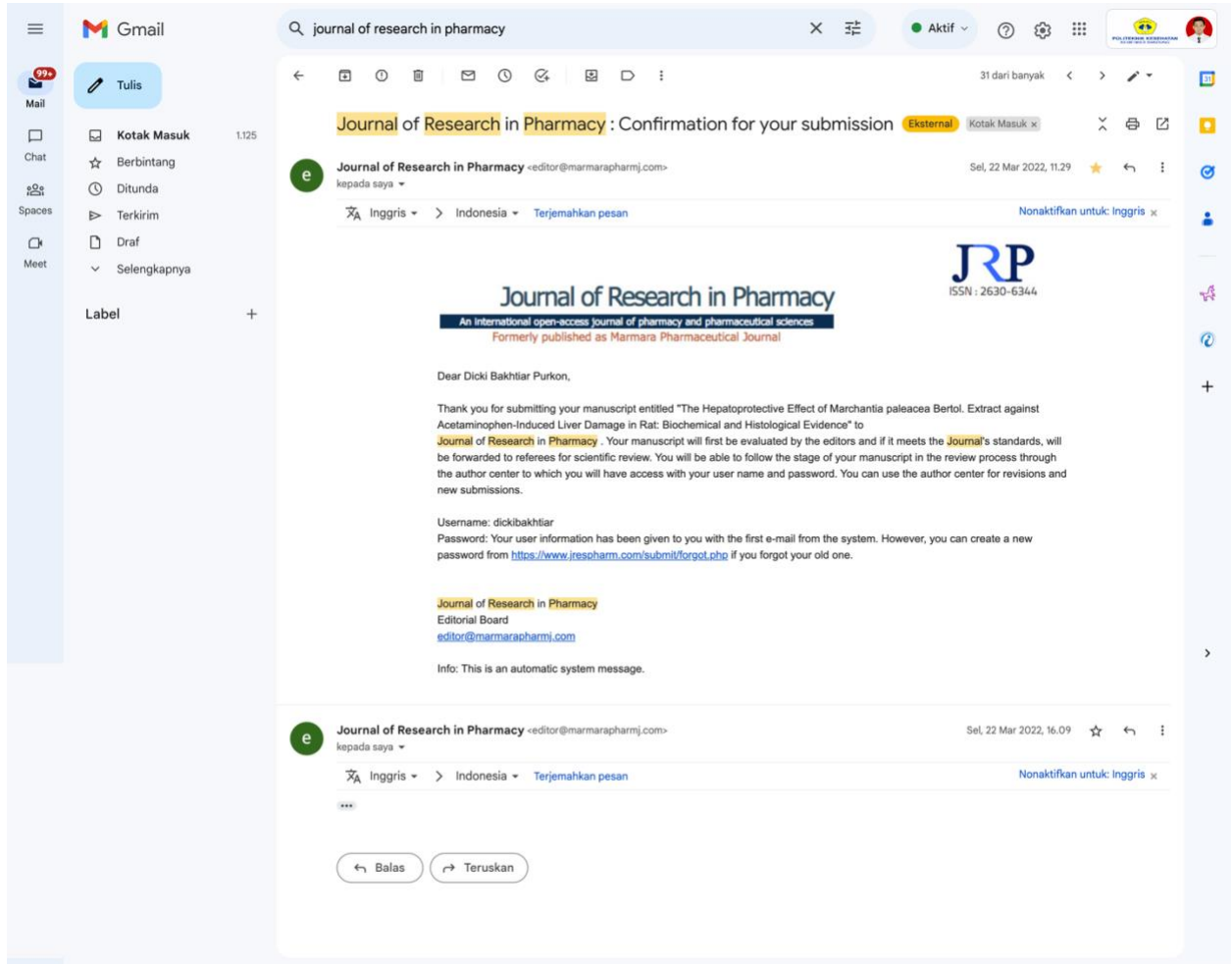


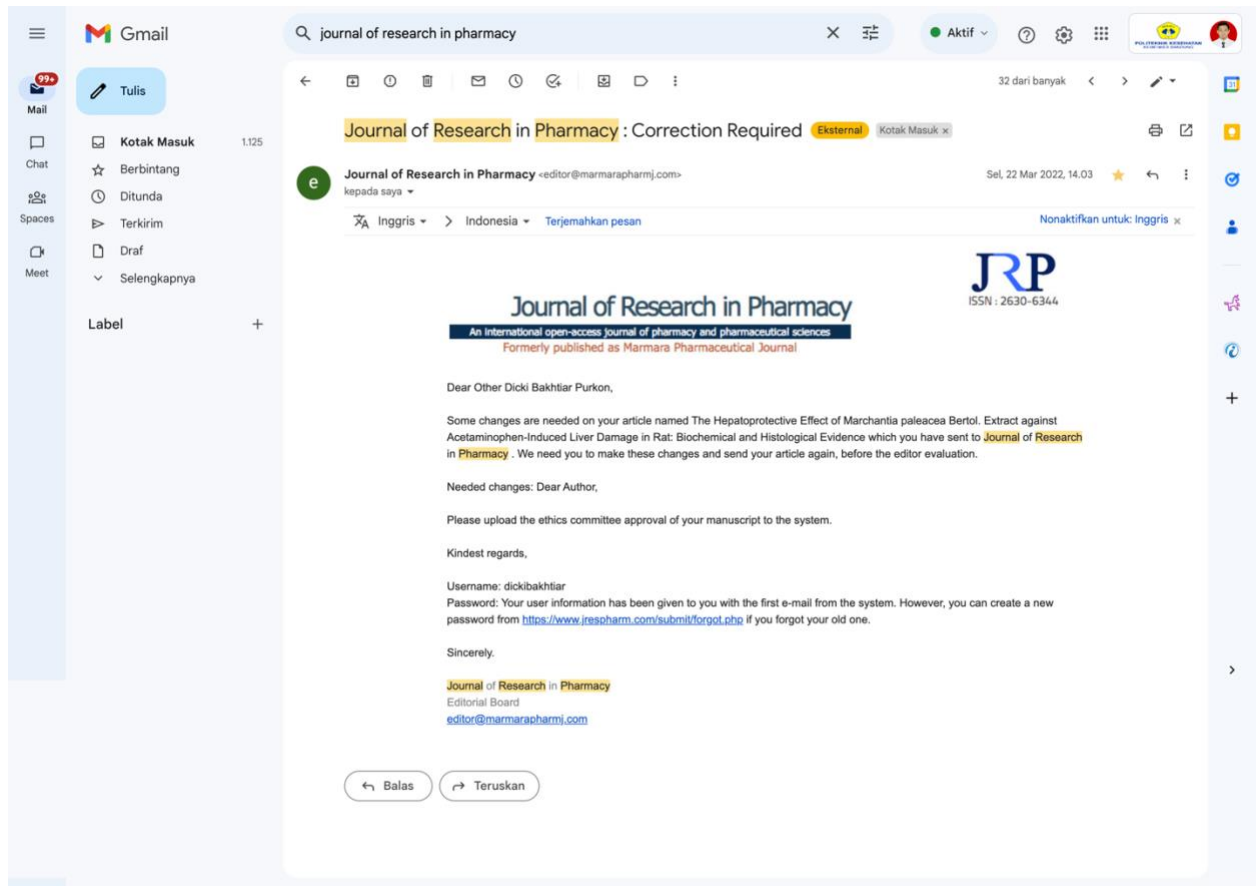
Lampiran Bukti Proses Korespondensi (Sejak Submit s.d. *Published*) ke Journal of Research in Pharmacy (JRP; Jurnal Internasional Bereputasi Terindeks Scopus Q3):

A. Proses Submit:



(a). Konfirmasi Proses Submit telah Dilakukan oleh Tim Editor melalui E-mail pada Tanggal 22 Maret 2022

B. In-Review Process:



(a). Proses permintaan koreksi dalam *in-review process* yang pertama oleh Tim Editor JRP pada Tanggal 22 Maret 2022

Journal of Research in Pharmacy : Confirmation for revised manuscript Eksternal Kotak Masuk x

Journal of Research in Pharmacy -editor@marmarapharmj.com- kepada saya 26 dari banyak Kam, 9 Jun 2022, 15:42 Nonaktifkan untuk: Inggris x

Inggris > Indonesia > Terjemahkan pesan

Journal of Research in Pharmacy
An international open-access journal of pharmacy and pharmaceutical sciences
Formerly published as Marmara Pharmaceutical Journal

Dear Dicki Bakhtiar Purkon,

This is to acknowledge receipt of your revised manuscript entitled The Hepatoprotective Effect of Marchantia paleacea Bertol. Extract against Acetaminophen-Induced Liver Damage in Rat: Biochemical and Histological Evidence. You can follow the stage of your manuscript in the review process through the author center. Thank you.

Sincerely,

<http://marmarapharmj.com>

User ID: dickibakhtiar
Password: Your user information has been given to you with the first e-mail from the system. However, you can create a new password from <https://www.jresopharm.com/submit/forgot.php> if you forgot your old one.

Journal of Research in Pharmacy
Editorial Board
editor@marmarapharmj.com

Info: This is an automatic system message.

Balas Teruskan

(b). Konfirmasi untuk Melakukan Revisi Manuskrip Ilmiah pada Tanggal 9 Juni 2022

The screenshot shows a Gmail interface with a search bar at the top containing "journal of research in pharmacy". The email header indicates it is from "Journal of Research in Pharmacy" (editor@marmarapharmj.com) received on "Sab, 25 Jun 2022, 22.32". The subject line is "Journal of Research in Pharmacy : Revision request for your manuscript". The email body contains the following text:

Journal of Research in Pharmacy
An international open-access journal of pharmacy and pharmaceutical sciences
Formerly published as Marmara Pharmaceutical Journal

Dear Other Dicki Bakhtiar Purkon,

The Editors have now assessed the reviewer response and have concluded that, in its present form, the manuscript is not yet ready for publication in the **Journal**. Below you will find the relevant review comments and editorial notes. Acceptance of the paper is contingent upon effectively revising the work by taking these comments into serious consideration, and by responding or rebutting them in detail. We ask you to submit your revision through the online system within 30 days. The web site is located at <http://marmarapharmj.com>.

Please upload the file containing your revised manuscript. The rebuttal letter should be placed in "cover letter" section. Please note that you should submit your revised letter by clicking on "Submit Revision" link, not as a new manuscript. If you have any problem please send an e-mail to editor@marmarapharmj.com.

User name: dickibakhtiar
Password: Your user information has been given to you with the first e-mail from the system. However, you can create a new password from <https://www.jresopharm.com/submit/forget.php> if you forgot your old one.

Sincerely,
Journal of Research in Pharmacy
Editorial Board
editor@marmarapharmj.com

At the bottom of the email, there are two buttons: "Balas" (Reply) and "Teruskan" (Forward).

(c). Permintaan Revisi Manuskrip Ilmiah Kembali pada Tanggal 25 Juni 2023 oleh Tim Reviewer dan Tim Editor di JRP

The screenshot shows a Gmail interface with a search bar at the top containing "journal of research in pharmacy". The email list on the left shows one email from "Journal of Research in Pharmacy" with the subject "Journal of Research in Pharmacy : Confirmation for revised manuscript". The email content is as follows:

Journal of Research in Pharmacy
An international open-access journal of pharmacy and pharmaceutical sciences
Formerly published as Marmara Pharmaceutical Journal

Dear Dicki Bakhtiar Purkon,

This is to acknowledge receipt of your revised manuscript entitled The Hepatoprotective Effect of Marchantia paleacea Bertol. Extract against Acetaminophen-Induced Liver Damage in Rat: Biochemical and Histological Evidence. You can follow the stage of your manuscript in the review process through the author center. Thank you.

Sincerely,
<http://marmarapharmj.com>

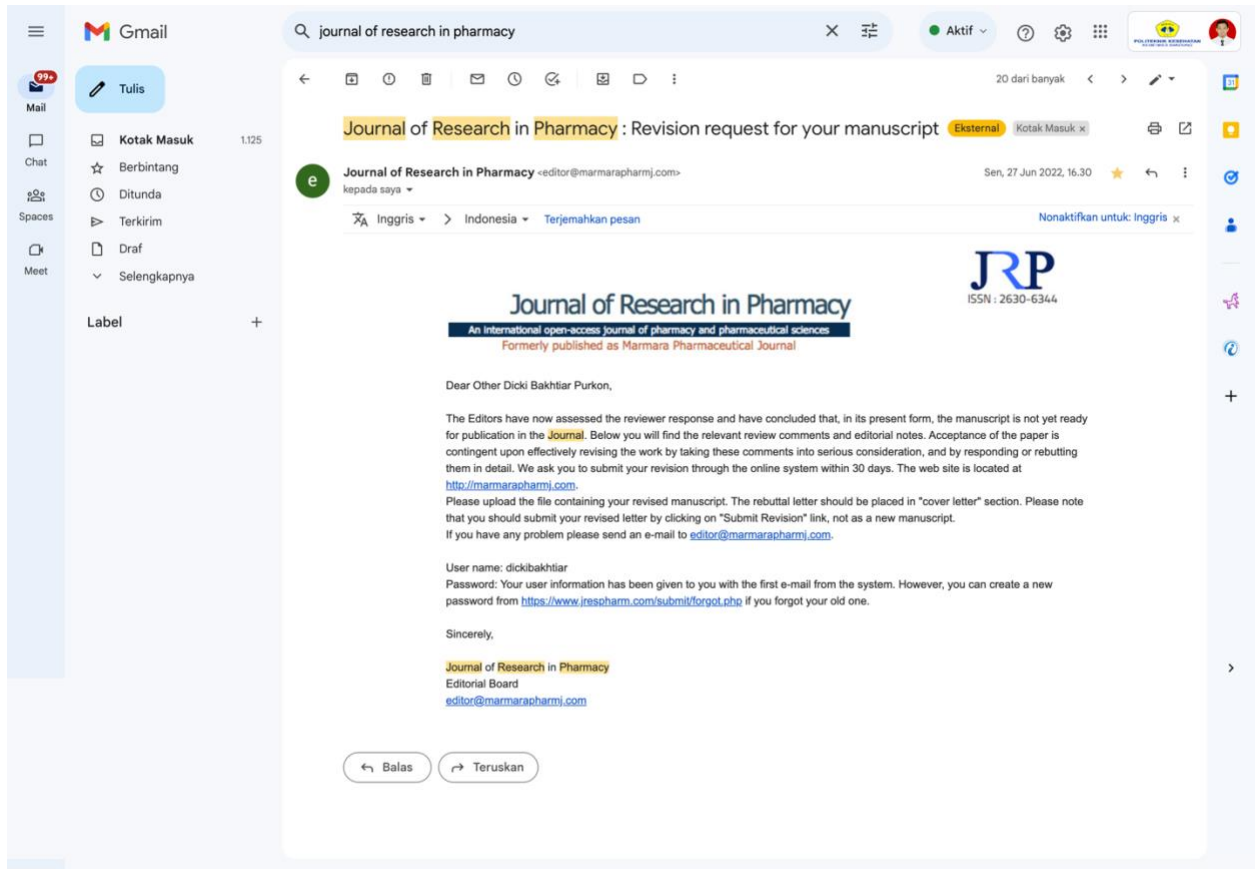
User ID: dickibakhtiar
Password: Your user information has been given to you with the first e-mail from the system. However, you can create a new password from <https://www.jresopharm.com/submit/forgot.php> if you forgot your old one.

Journal of Research in Pharmacy
Editorial Board
editor@marmarapharmj.com

Info: This is an automatic system message.

At the bottom of the email, there are two buttons: "Balas" (Reply) and "Teruskan" (Forward).

**(d). Konfirmasi Penerimaan Revisi Manuskrip Ilmiah pada Tanggal 26 Juni 2022
pkl. 03.35 WIB**



(e). Permintaan Revisi Manuskrip Ilmiah kembali oleh Tim Reviewer dan Tim Editor di JRP pada Tanggal 27 Juni 2022 pkl. 16.30 WIB

C. *Accepted* (Disetujui untuk Dipublikasikan):

Journal of Research in Pharmacy : Result of the Manuscript evaluation

Journal of Research in Pharmacy <editor@marmarapharmj.com> kepada saya

Journal of Research in Pharmacy
An international open-access journal of pharmacy and pharmaceutical sciences
Formerly published as Marmara Pharmaceutical Journal

Dear Other Dicki Bakhtiar Purkon,

I am pleased to inform you that your manuscript entitled as "The Hepatoprotective Effect of Marchantia paleacea Bertol. Extract against Acetaminophen-Induced Liver Damage in Rat: Biochemical and Histological Evidence" has been accepted for publication in an upcoming issue of *Journal of Research in Pharmacy*. We will send the proof of your article for your approval prior to publication. You can reach the final information about your manuscript at online manuscript center (<http://marmarapharmj.com>).

Please do not hesitate to contact us at any time if you have questions regarding your manuscript or the publication process by sending an e-mail to editor@marmarapharmj.com. We look forward to publishing your paper.

Yours Sincerely,

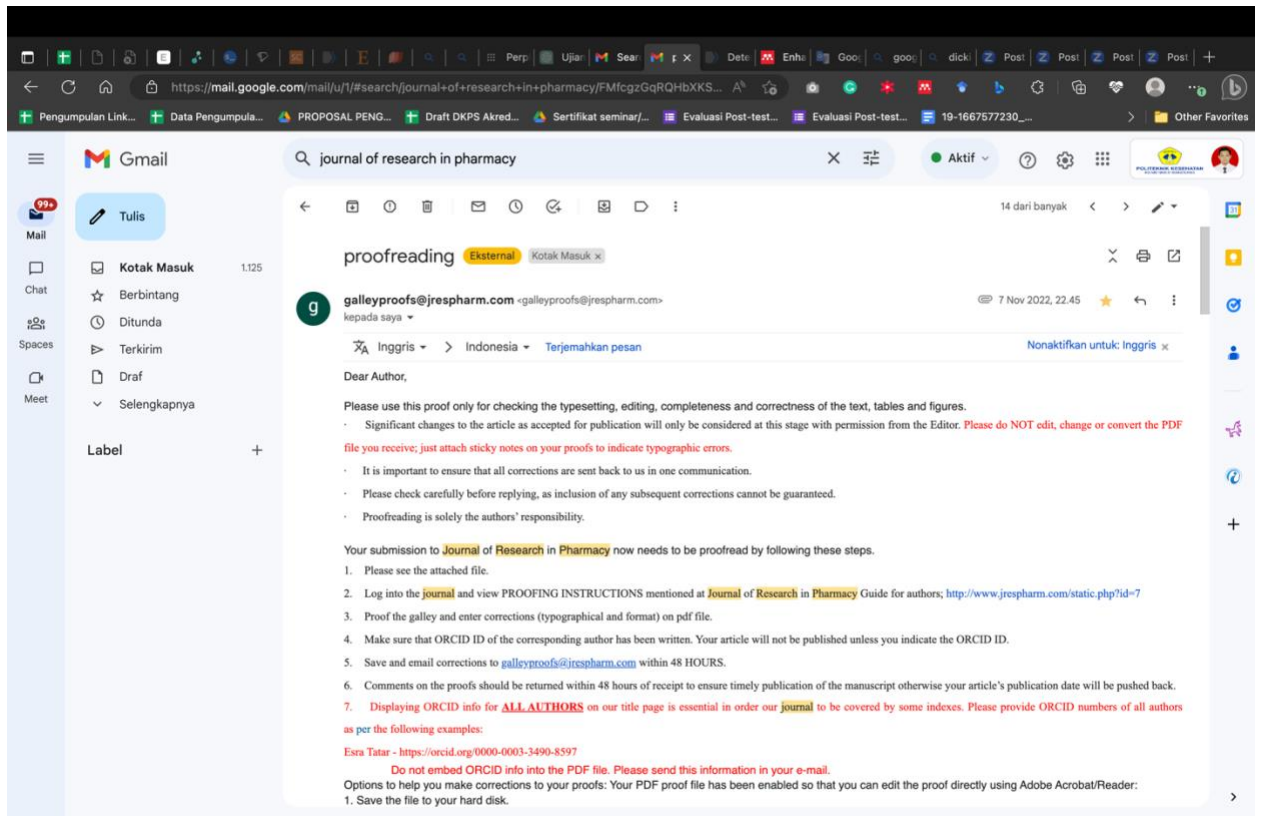
Prof. Dr. Hatice Kübra Elçioğlu
Editor-in-Chief, MPJ
editor@marmarapharmj.com

Satu lampiran · Dipindai dengan Gmail

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(a). Hasil dari Manuskrip Ilmiah selesai Dievaluasi dan Disetujui (Accepted) untuk Dipublikasikan pada Nomor *Issue* Selanjutnya di JRP pada Tanggal 1 Juli 2022

D. *Proofreading (Galleyproof)*:



(a). Bukti Pelaksanaan Proofreading antara Tim Editor dengan Tim Author melalui Sistem OJS dan Email pada Tanggal 7 November 2022

MENU

New Manuscript

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Dear Author,

I am pleased to inform you that our reviewers has been accepted and recommended your manuscript for publication. Thank you for choosing to publish in our journal.

Kindest regards
Prof.Dr.Hatice Kübra ELÇİOĞLU
Editor-in-Chief

Accepted

Manuscript Information

Manuscript ID: MPJ-9059-REV-3

Title In English: The Hepatoprotective Effect of Marchantia paleacea Bertol. Extract against Acetaminophen-Induced Liver Damage in Rat: Biochemical and Histological Evidence

Small Title In English: No information entered

Authors: Dicki Bakhtiar Purkon¹, Mimin Kusmiyati¹, Elvi Trinovani¹, Faizah Min Fadhillah², Widyastwi Widyastwi¹, M.H. Roseno¹, Erick Khristian³, Anun Nadhifah⁴

Institutions: ¹Poltekkes Kemenkes Bandung, Pharmacy, Bandung, Indonesia
²Universitas Garut, Pharmacy (Pharmaceutical Biology), Kabupaten Garut, Indonesia
³Stikes Jenderal Achmad Yani, Medical Laboratory Technology Study Program, Cimahi, Indonesia
⁴Research Center for Plant Conservation and Botanical Gardens – Cibodas Botanical Garden, Indonesian Institute of Sciences (LIPI), Research Center for Plant Conservation and Botanical Gardens, Cianjur, Indonesia

Keywords in English: Marchantia paleacea Bertol.; acetaminophen-induced; hepatoprotective; SGPT and SGOT; liver histology.

Manuscript Type: Research article

Processing Status: Accepted

Abstract in English

Hepatoprotectors are compounds or substances that have efficacy to protect liver cells against toxic substances result in liver damage. Liver damage caused by various factors, such as: viruses, bacteria, drugs that directly damage liver cells (such as acetaminophen, etc.), hypersensitivity reactions, hepatotoxic chemicals, toxins in food and pollution. Therefore, the development of the drug is still being tested to obtain more satisfactory results in terms of efficacy and the minimal side effects it causes. Until now, there has been no research on the hepatoprotector effect of the liverwort herbs ethanol extract of Marchantia paleacea Bertol. in a hepatotoxic-induced test animal model, especially with acetaminophen in rats. This study aimed to examine the potential hepatoprotector of the herbal liverworts extract of Marchantia paleacea Bertol. compare to Curcuma FCT6. The hepatoprotector effect was determined by examining the biochemical levels of SGPT and SGOT, the percentage of liver index (% ww) and histopathological feature of the liver. The increase in SGPT and SGOT levels in the liver tissue induced by acetaminophen to prove the toxicity of the liver tissue caused by acetaminophen. Marchantia paleacea Bertol ethanol extract with doses of 26 and 104 mg/kg bw in the measurement of serum levels of SGPT, SGOT, and liver index (% ww) has shown decreased serum levels of SGPT, SGOT, and liver index (% ww). In addition, the histological examination for scoring liver cell repair using the Manja Roenigk Histopathology Scoring Model method has shown a repair score for acetaminophen-induced liver tissue damage at both doses of the test extract (26 and 104 mg/kg bw). These findings suggest that 26 and 104 mg/kg bw have a potential protective effect on liver function against hepatotoxicity in rat livers. Thus, Marchantia paleacea Bertol. liverwort herb has great potential as a nutraceutical product, supplement, or traditional medicine that has hepatoprotective.

Manuscript Files

File Name	File Size	Date Created	Category	Description
MPJ-9059-6-1.-cover-letter-for-journal-submission.pdf	110 KB	Mar 22, 2022	Cover letter	None
MPJ-9059-5-4.-full-manuscript-jrp-template-dicki-bakhtiar-p.-22-03-2022-.pdf	1139 KB	Mar 22, 2022	Main Document	None
MPJ-9059-0-3.-copyrightform-dbp.pdf	294 KB	Mar 22, 2022	Copyright Transfer Form	None
MPJ-9059-1-5.-jrp-checklist-dbp.pdf	152 KB	Mar 22, 2022	Author Checklist Form	None
MPJ-9059-5-1.-certificate-of-ethical-approval-dbp.jpg	290 KB	Mar 22, 2022	Ethical commission approval	None
MPJ-9059-8-1.-certificate-of-ethical-approval-dbp.jpg	290 KB	Mar 22, 2022	Responses to technical check results	None
MPJ-9875-6-4.-correction-manuscript-jrp-template-dicki-bakhtiar-p.-june-9th-2022-.rev-1.pdf	1158 KB	Jun 09, 2022	Response to Reviewers	None
MPJ-9875-5-7.-cover-or-rebuttal-letter-for-correction-manuscript.rev-1.pdf	50 KB	Jun 09, 2022	Cover letter	None
MPJ-10053-7-8.-correction-manuscript-dicki-bakhtiar-purkon-june-26th-2022-.rev-2.pdf	1159 KB	Jun 25, 2022	Response to Reviewers	None
MPJ-10096-6-8.-correction-manuscript-dicki-bakhtiar-purkon-june-29th-2022-.rev-3.pdf	1162 KB	Jun 30, 2022	Response to Reviewers	None

Score Sheet

(b). Status *Accepted/Disetujui* untuk Dipublikasikan oleh Kepala Editor di JRP melalui Sistem OJS

E. Published:



Journal of Research in Pharmacy 2022, Vol 26, Issue 6

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The hepatoprotective effect of *Marchantia paleacea* Bertol. extract against acetaminophen-induced liver damage in rat: biochemical and histological evidence

Dicki Bakhtiar PURKON¹, Mimin KUSMIYATI¹, Elvi TRINOVA¹, Faizah Min FADHILLAH², Widayastwi WIDYASTIWI¹, M.H. ROSENO¹, Erick KHRISTIAN³, Ainun NADHIFAH⁴

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DOI : 10.29228/jrp.275

Hepatoprotectors are compounds or substances that have efficacy to protect liver cells against toxic substances result in liver damage. Liver damage caused by various factors, such as: viruses, bacteria, drugs that directly damage liver cells (such as acetaminophen, etc.), hypersensitivity reactions, hepatotoxic chemicals, toxins in food and pollution. Therefore, the development of the drug is still being tested to obtain more satisfactory results in terms of efficacy and the minimal side effects it causes. Until now, there has been no research on the hepatoprotector effect of the liverwort herbs ethanol extract of *Marchantia paleacea* Bertol. in a hepatotoxic-induced test animal model, especially with acetaminophen in rats. This study aimed to examine the potential hepatoprotector of the herbal liverworts extract of *Marchantia paleacea* Bertol. compare to Curcuma FCT[®]. The hepatoprotector effect was determined by examining the biochemical levels of SGPT and SGOT, the percentage of liver index (% w/w) and histopathological feature of the liver. The increase in SGPT and SGOT levels in the liver tissue induced by acetaminophen to prove the toxicity of the liver tissue caused by acetaminophen. *Marchantia paleacea* Bertol ethanol extract with doses of 26 and 104 mg/kg bw in the measurement of serum levels of SGPT, SGOT, and liver index (% w/w) has shown decreased serum levels of SGPT, SGOT, and liver index (% w/w). In addition, the histological examination for scoring liver cell repair using the Manja Roenigk Histopathology Scoring Model method has shown a repair score for acetaminophen-induced liver tissue damage at both doses of the test extract (26 and 104 mg/kg bw). These findings suggest that 26 and 104 mg/kg bw have a potential protective effect on liver function against hepatotoxicity in rat livers. Thus, *Marchantia paleacea* Bertol. liverwort herb has great potential as a nutraceutical product, supplement, or traditional medicine that has hepatoprotective therapeutic efficacy.

Keywords : *Marchantia paleacea* Bertol.; acetaminophen-induced; hepatoprotective; SGPT and SGOT; liver histology



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Esra Tatar

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2630-6344

Publisher

Marmara University

Frequency

Bimonthly (Six issues / year)

Abbreviation

J.Res.Pharm.

Former Name

Marmara Pharmaceutical Journal

Marmara University

(a). *Published*/Terbit di JRP pada Vol. 26, Issue 6, Tahun 2022 dengan Pada Laman: [Journal of Research in Pharmacy \(jrespharm.com\)](http://jrespharm.com)