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#842 Summary

SUMMARY [REVIEW](#) [EDITING](#)

Submission

Authors	Dadan Hermawan
Title	Chiral Separation of Econazole by High Performance Liquid Chromatography Method using Cyclodextrin as Chiral Column
Original file	842-2564-1-SM.DOCX 2021-09-12
Supp. files	None
Submitter	Dr. Dadan Hermawan 
Date submitted	September 12, 2021 - 03:03 PM
Section	Articles
Editor	Mardiyah Kurniasih 
Author comments	Dr. Yanuardi RaharjoEmail: yanuardiraharjo@fst.unair.ac.id

Status

Status	Archived
Initiated	2022-07-22
Last modified	2022-07-22

Submission Metadata

[EDIT METADATA](#)

Authors

Name	Dadan Hermawan 
Affiliation	Department of Chemistry, Faculty of Mathematics and Natural Sciences, Universitas Jenderal Soedirman, Purwokerto, Indonesia
Country	Indonesia
Bio Statement	Author in Scopus Author in Google Scholar
Principal contact for editorial correspondence.	

Title and Abstract

Title	Chiral Separation of Econazole by High
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Performance Liquid Chromatography Method using Cyclodextrin as Chiral Column

Abstract

The chiral separation of econazole, an antifungal drug with one chiral center has been successfully carried out using the high-performance liquid chromatography (HPLC) method. Enantioresolution of econazole ($R_s = 2.29$) was achieved using cyclodextrin-based chiral column (Astec Cyclobond, 25 cm $\times$ 4.6 mm $\times$ 5 μ m), mobile phase composition of acetonitrile : water (0.2% HCOOH) (20:80, v/v), and UV detection of 220 nm. The optimized HPLC method has been applied for the quantitative determination of econazole in the pharmaceutical (liquid) sample with percentage recovery of 100.75 % (RSD = 0.95%; $n = 3$). The effect of several HPLC parameters on the chiral separation of econazole was also evaluated and the method was successfully validated in terms of linearity, accuracy, precision, and selectivity. The present HPLC method was simple, short analysis time, and high resolution.

Indexing

Language en

Supporting Agencies

Agencies —

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Dadan Hermawan <dadanphd@gmail.com>

[jm] Submission Acknowledgement

1 mesej

MOLEKUL Editors <josunsoed@unsoed.ac.id>

Kepada: Dadan Hermawan <dadanphd@gmail.com>

Dadan Hermawan:

Thank you for submitting the manuscript, " Chiral Separation of Econazole by High Performance Liquid Chromatography Method using Cyclodextrin as Chiral Column" to Molekul. 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: <http://jos.unsoed.ac.id/index.php/jm/authorDashboard/submission/6348>

Username: dhermawan

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

MOLEKUL Editors

[Molekul](#)

Revisions Required for 842

3 messages

Jurnal Molekul <j.molekul@gmail.com>
To: dadan.hermawan@unsoed.ac.id

Wed, Apr 20, 2022 at 1:34 PM

Dear Dadan Hermawan

We have reached a decision regarding your submission to "MOLEKUL", A Scientific Journal in Chemistry, "Chiral Separation of Econazole by High Performance Liquid Chromatography Method using Cyclodextrin as Chiral Column".

Our decision is: Revisions Required

The 1st Reviewer has now commented on your paper below this email and the attached file. You will see that the Reviewer is advising that you must revise your manuscript. If you are prepared to undertake the work required, I would be pleased to reconsider my decision.

If you decide to revise the work, please submit a list of changes or a rebuttal against each point that is being raised when you submit the revised manuscript. Please write the different colors of the manuscript changes. The submission should be submitted via <https://ojs.jmolekul.com/ojs/index.php/jm/> as the reply.

Please be noted that you have up to 2 (two) weeks from now to revise your manuscript.

If you need additional time to complete your revision, please let us know by replying to this email and informing us of the date you expect to submit it.

Regards,

Mardiyah Kurniasih
Department of Chemistry, Faculty of Mathematics and Natural Sciences, Universitas Jenderal Soedirman, Purwokerto, Indonesia

Reviewer Comments:

Reviewer 1:

1. Some redundant sentences (see in the draft)
2. Introduction is too long and redundant
3. Need to find an alternative use of the word administration
4. It would be better if given a more detailed description of the interaction of the column with econazole
5. Table 3 does not provide information about peak 3
6. writing table title must be in the middle
7. some words/sentences are more appropriate if rearranged (see draft)
8. picture quality 2 please can be improved
9. there is something wrong in writing the bibliography (dadnan, H) it should be Hermawan, D

Reviewer 2:

The study on the development of HPLC method using chiral column for determining econazole was presented. This manuscript is well-written but several corrections should be made by the authors.

1. Figure 1 is less informative. What is the meaning of "+" ? Is it indicate the chirality center? Authors should be clearly mention it in the caption of the figure.
 2. In "preparation of standards": The main aqueous (1000 mg/L) econazole was prepared by dissolving 10 mg into methanol. --> Make this statement clear. For example: An accurate weight of 10 mg econazole standard was dissolved in 10 mL methanol.
 3. Wavelength detection of 220 nm was chosen. Is there any consideration to choose this wavelength? Is there any wavelength selection process?
 4. Did the authors also perform the system suitability test?
 5. "The RSD value did not exceed 2%, indicating that this method had a very precise level of accuracy." Provide a literature regarding this statement.
 6. Why the author used r^2 rather than r (correlation coefficient) to express the linearity?
 7. "The accepted range of recovery percentage for analytes with the concentration of 25 mg/L is 90-107 %." Provide a literature regarding this statement.
 8. Why the authors selected ketoconazole as a compound for the selectivity test accompanying econazole? Was it used as internal standard? Give explanation related to this issue and strengthen your argument with relevant literatures.
 9. Figure 2 is less informative. What is peak 1 and peak 2? This information should be provided in the figure caption.
-



#842 Review

[SUMMARY](#) **[REVIEW](#)** [EDITING](#)

Submission

Authors	Dadan Hermawan
Title	Chiral Separation of Econazole by High Performance Liquid Chromatography Method using Cyclodextrin as Chiral Column
Section	Articles
Editor	Mardiyah Kurniasih

Peer Review

Round 1

Review Version	842-2565-1-RV.DOCX 2021-09-12
Initiated	2021-10-25
Last modified	2022-03-21
Uploaded file	None

Editor Decision

Decision	Accept Submission 2022-06-09
Notify Editor	Editor/Author Email Record No Comments
Editor Version	None
Author Version	None
Upload Author Version	Browse... No file selected. Upload

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Dadan Hermawan <dadanphd@gmail.com>

[jm] Editor Decision

4 mesej

mardiyah kurniasih <josunsoed@unsoed.ac.id>

16 Julai 2022 pada
9:57 PG

Kepada: Dadan Hermawan <dadanphd@gmail.com>

Dadan Hermawan:

We have reached a decision regarding your submission to Molekul, " Chiral Separation of Econazole by High Performance Liquid Chromatography Method using Cyclodextrin as Chiral Column".

Our decision is to: Accept Submission

mardiyah kurniasih
Universitas jenderal Soedirman
m_kurniasih@yahoo.com

Molekul

Dadan Hermawan <dadanphd@gmail.com>

17 Julai 2022 pada 2:28 PTG

Kepada: mardiyah kurniasih <josunsoed@unsoed.ac.id>

Dear Editor of Molekul

Thank you very much for your information.

Best regards,

Dadan Hermawan

[Teks yang dipetik tersembunyi]

Proof Read - Jurnal MOLEKUL Vol 17 No 2

1 message

Jurnal Molekul <j.molekul@gmail.com>

Thu, Jul 14, 2022 at 11:34 AM

To: dadan.hermawan@unsoed.ac.id, dadanphd@gmail.com

Dear Dadan Hermawan,

Sehubungan dengan artikel yang telah diterima untuk diterbitkan pada Jurnal Molekul Volume 17 No 2, Juli 2022, dengan ini maka:

1. Terlampir file artikel yang telah di layout, mohon untuk dicek kembali (*proofread*). Untuk memastikan artikel anda terbit pada waktunya, mohon jika ada koreksi harap diperbaiki dan dikembalikan dalam waktu **maksimal 2 hari**. Adanya kesalahan setelah artikel diterbitkan atau dicetak **tidak memungkinkan untuk direvisi** lagi. Jika dalam batas waktu yang ditentukan **tidak ada tanggapan**, maka kami anggap penulis **telah setuju dengan artikel tersebut** baik isi, susunan penulis, dan komponen artikel lainnya. Perubahan / revisi dapat disertakan dalam lembar tersendiri atau komentar di file pdf yang dikirimkan.
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 - No Rekening BNI : **1135395011**, a.n. : **Jurnal Ilmiah Kimia Molekul**
 - o Setelah melakukan pembayaran, harap konfirmasi melalui **Whatsapp** ke Ibu Zufahair: **081323760903**
3. Mohon mengisi form pernyataan terlampir (jika belum pernah mengisi dan mengirimkan)

Demikian, jika ada informasi yang belum jelas, dapat dikonfirmasi melalui email ini.

Salam,

Editor Jurnal MOLEKUL

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The proof of your article, to be published in 'MOLEKUL', is now available.

Please use this proof only for checking the typesetting, editing, completeness and correctness of the text, tables and figures. To assist you with this, copy-editing changes have been highlighted in red with the original text in a pop-up box.

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To ensure fast publication of your paper please return your corrections within 48 hours.

Fail to reply to this email within the time, we assumed that you have agreed with the final version of your article attached.

Note that once your corrections have been received, your article is finalized and any further correction is no longer possible.

Yours sincerely,

MOLEKUL Editorial Team.

2 attachments



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1 message

Jurnal Molekul <j.molekul@gmail.com>

Thu, Jul 21, 2022 at 1:45 PM

To: mardiyah.kurniasih@unsoed.ac.id, Mardiyah Kurniasih <m_kurniasih@yahoo.com>, suryati <suryati@sci.unand.ac.id>, edi7suryanto@gmail.com, Triana Kusumaningsih <triana_kusumaningsih@staff.uns.ac.id>, Dasril Basir <debasrilchem@gmail.com>, Unang Supratman <unang.supratman@unpad.ac.id>, yuliati.herbani@brin.go.id, Yuliati Herbani <yuliati.herbani@gmail.com>, yuliati.herbani@lipi.go.id, moch chasani <moch.chasani@gmail.com>, Untung Susilo <susilo.utg@gmail.com>, untung.susilo@unsoed.ac.id, dhony hermanto <dhony.hermanto@unram.ac.id>, dhony.hermanto@gmail.com, Agus Susanto <susanto1408@gmail.com>, Akram La Kilo <akram@ung.ac.id>, dadanphd@gmail.com, dadan.hermawan@unsoed.ac.id, karelius@chem.upr.ac.id, Irmanida Batubara <ime@apps.ipb.ac.id>, "Sri Aprilia ." <sriapriliah@unsyiah.ac.id>

Dear Authors,

We have published the Volume 17 Issue 2 of MOLEKUL and available online at:

<http://jos.unsoed.ac.id/index.php/jm/index>

Please re-check the **Title**, **Author** (name and order) and **Abstract**. Any corrections please inform me within 2 days. After registering to the indexing agent (DOAJ, DOI, ICI Int, Scopus), **no more revision** could be performed.

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Thank you.

Best regards,

Amin Fatoni
Editors in Chief
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