

Effects of cerebrospinal fluid drainage on pro-inflammatory and anti-inflammatory cytokines expression in the subventricular zone of kaolin-induced hydrocephalic rats

Muhammad Arifin Parenrengi*(corresponding author), Ahmad Data Dariansyah, Wihasto Suryaningtyas, Dyah Fauziah, I Ketut Sudiana, Budi Utomo, Prastiya Indra Gunawan

Pharmacognosy Journal, 2024, Volume 16 Issue 1

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Bukti Korespondensi

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Confirmation for volume and article publish	17 Januari 2024	Page 15
Published	28 Februari 2024	Page 18



MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

Manuscript Received & Peer Review Acceptance -PJ-23-1579

5 pesan

Pharmacognosy Journal <editor.phcogi@gmail.com>

27 November 2023 pukul 12.58

Kepada: MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>, ahmad.data.dariansyah@gmail.com, wihasto-s@fk.unair.ac.id, dyah-f@fk.unair.ac.id, ik-sudiana-s@fk.unair.ac.id, budiuotomo@fk.unair.ac.id, prastiya indra gunawan <prastiya-i-g@fk.unair.ac.id>

Dear Dr. Muhammad Arifin Parenrengi,

Thank you very much for your submission to the Pharmacognosy Journal. We have received your article entitled "Effects of cerebrospinal fluid drainage on pro-inflammatory and anti-inflammatory cytokines expression in the subventricular zone of kaolin-induced hydrocephalic rats". The article is now under our PRELIMINARY EVALUATION and we will keep you updated on the article status accordingly.

As we are an open-access non-profit organization, we require publication charges to recover our editorial and production expenses. They cover the range of publishing services we provide which includes the provision of online tools for editors and authors, article production and hosting, liaison with abstracting and indexing services, and customer services. The publication charges are 1249 GBP for the accepted article. You are required to process publication charges upon acceptance of your article (after peer-review). Kindly confirm your response to proceed with the review process.

We thank you for submitting your valuable work to the Pharmacognosy Journal.

Kindly get back to us for further queries.

Have a great day!

Best regards,
Emily Flora
Managing Editor

Ahmad Data <ahmad.data.dariansyah@gmail.com>

27 November 2023 pukul 13.29

Kepada: Pharmacognosy Journal <editor.phcogi@gmail.com>

Cc: muhammad arifin <muhammad.arifin@fk.unair.ac.id>

Dear editorial board of Pharmacognosy Journal

We agree that we will pay the publication fee after our manuscript is accepted. Herewith we send the cover letter and copyright form.

Thank you very much, we hope that our manuscript can be accepted in the Pharmacognosy Journal.

Sincerely,

Ahmad Data Dariansyah/Muhammad Arifin Parenrengi
[Kutipan teks disembunyikan]

2 lampiran

Copyright Form PHCOGJ - DTA.docx
343K

Cover Letter PHCOGJ - DTA.docx
18K

Pharmacognosy Journal <editor.phcogi@gmail.com>

28 November 2023 pukul 16.20

Kepada: Ahmad Data <ahmad.data.dariansyah@gmail.com>
Cc: muhammad arifin <muhammad.arifin@fk.unair.ac.id>

Dear Ahmad,

Thank you for your kind response and confirming the charges. Soon, we will get back to you with the review comments.

Regards,
Emily Flora

[Kutipan teks disembunyikan]

Copyright Form


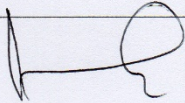
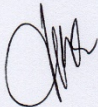
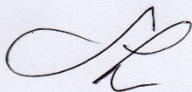
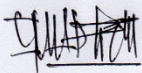


Manuscript Title: **Effects of cerebrospinal fluid drainage on pro-inflammatory and anti-inflammatory cytokines expression in the subventricular zone of kaolin-induced hydrocephalic rats**

We/I hereby transfer all copyrights in and to the manuscript named above in all forms and media, now or hereafter known, exclusively to the Journal “**Pharmacognosy Journal**” effective in the event that paper is accepted for publication in the journal. The journal shall hold all the rights over the manuscript on publication except the proprietary right such as patent rights.

The members listed author in this article have made a substantial, direct, intellectual contribution to the work and take public responsibility for it.

This paper contains works that have not previously published or not under consideration for publication in other journals.

Authors:

Author's name	Signature
Ahmad Data Dariansyah	
Wihasto Suryaningtyas	
Dyah Fauziah	
I Ketut Sudiana	
Budi Utomo	
Prastiya Indra Gunawan	
Muhammad Arifin Parenrengi	

November 26, 2023

To the Editorial Office
Pharmacognosy Journal

Dear Professor/Doctor,

We would like to submit a manuscript, **“Effects of cerebrospinal fluid drainage on pro-inflammatory and anti-inflammatory cytokines expression in the subventricular zone of kaolin-induced hydrocephalic rats”** to be considered for publication as an original article in your distinguished journal – **Pharmacognosy Journal**.

Kaolin-induced hydrocephalus was comparable to post-meningitis hydrocephalus, the most prevalent cause of pediatric hydrocephalus in developing nations such as Indonesia (where the authors are from). Due to geographical factors, lack of health services, economic and educational aspects, and the disparity between the number of neurosurgeons and the total population, pediatric patients with hydrocephalus are frequently unable to receive immediate surgery services.

As a result, the authors conducted research that will likely serve as a foundation for future studies relating to temporary treatment with medical drugs, particularly anti-inflammatory medications for hydrocephalus.

Previous studies about pro- and anti-inflammatory cytokines have concentrated on degenerative (iNPH) or post-hemorrhagic hydrocephalus with samples of blood serum and CSF. Our research studies the absolute expression and the ratio of pro- and anti-inflammatory cytokines in the subventricular zone of kaolin-induced hydrocephalic rats.

We hope this article can serve as a foundation for future hydrocephalus and neuroinflammatory response research. In order for patients who cannot undergo immediate surgery to receive temporary medical therapy to prevent severe injury.

We declare the originality of this manuscript and certify that it has not been published before and is not currently being considered for publication elsewhere. There is no conflict of interest.

Yours sincerely,



Muhammad Arifin Parenrengi, MD, PhD

Department of Neurosurgery, Faculty of Medicine, Universitas Airlangga, Dr. Soetomo
General Academic Hospital

Mayjend Prof. Dr. Moestopo No. 6 - 8, Mojo, Gubeng, Surabaya, East Java

Indonesia – 60285

Phone: +62813-3388-8007

Email: muhammad.arifin@fk.unair.ac.id



MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

Manuscript Accepted for Publication-PJ-23-1579

Pharmacognosy Journal <editor.phcogi@gmail.com>

8 Desember 2023 pukul 07.04

Kepada: Ahmad Data <ahmad.data.dariansyah@gmail.com>

Cc: muhammad arifin <muhammad.arifin@fk.unair.ac.id>

Muhammad Arifin Parenrengi, Ahmad Data Dariansyah, Wihasto Suryaningtyas, Dyah Fauziah, I Ketut Suidiana, Budi Utomo, Prastiya Indra Gunawan:

We have reached a decision regarding your submission to Pharmacognosy Journal, "Effects of cerebrospinal fluid drainage on pro-inflammatory and anti-inflammatory cytokines expression in the subventricular zone of kaolin-induced hydrocephalic rats".

Our decision is to: Accept Submission

I truly appreciate all your hard work, dedication and commitments towards this work. This paper is well described clearly and it is accepted to publish without any revisions.

Publication Charges - GBP 1249 We request you to confirm your mode of payment 1) Credit Card or 2) Bank Transfer. An invoice can be raised accordingly.

Awaiting your response.

Regards,
Emily Flora



MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

Manuscript Accepted for Publication-PJ-23-1579

Ahmad Data <ahmad.data.dariansyah@gmail.com>

12 Januari 2024 pukul 12.19

Kepada: fika.wulansari@gmail.com, muhammad arifin <muhammad.arifin@fk.unair.ac.id>

----- Forwarded message -----

From: **Ahmad Data** <ahmad.data.dariansyah@gmail.com>

Date: Fri, Dec 8, 2023, 09:16

Subject: Re: Manuscript Accepted for Publication-PJ-23-1579

To: Pharmacognosy Journal <editor.phcogi@gmail.com>

Cc: muhammad arifin <muhammad.arifin@fk.unair.ac.id>

Thank you for the good news regarding the acceptance of our manuscript.

We will pay the APC via bank transfer.

We would like to ask, Can our manuscript be included directly in the next issue that will be published?

Thank you for the help.

Sincerely,

Ahmad Data Dariansyah/Muhammad Arifin Parenrengi



MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

Manuscript Accepted for Publication-PJ-23-1579

Ahmad Data <ahmad.data.dariansyah@gmail.com>

12 Januari 2024 pukul 12.20

Kepada: fika.wulansari@gmail.com, muhammad arifin <muhammad.arifin@fk.unair.ac.id>

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From: **Pharmacognosy Journal** <editor.phcogi@gmail.com>

Date: Fri, Dec 8, 2023, 15:03

Subject: Re: Manuscript Accepted for Publication-PJ-23-1579

To: Ahmad Data <ahmad.data.dariansyah@gmail.com>

Dear Ahmad,

Thanks for your email. Please find the attached sample for graphical abstract.
About authors -- max 100 words for each author.

regards,
Emily Flora

On Fri, Dec 8, 2023 at 7:25 PM Ahmad Data <ahmad.data.dariansyah@gmail.com> wrote:

Is there any example for the graphical abstract?

And for the biography requirements, the max 100 words is for one author or all author combined?

Thank you

On Fri, Dec 8, 2023, 12:50 Pharmacognosy Journal <editor.phcogi@gmail.com> wrote:

Dear Ahmad,

Thank you for making the payment. We request you to send us the following details.

1) Graphical abstract: A graphical abstract is a graphical or visual equivalent of a written abstract. Please prepare a figure summarizing your abstract and send us.

2) About authors: Send us the biography of all authors associated with the article along with the recent photographs of authors. The

biography should be as concise as possible (max words: 100).

Kindly send us the requested details at the earliest.

regards,
Emily Flora



MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

Manuscript Accepted for Publication-PJ-23-1579

Ahmad Data <ahmad.data.dariansyah@gmail.com>

12 Januari 2024 pukul 12.20

Kepada: fika.wulansari@gmail.com, muhammad arifin <muhammad.arifin@fk.unair.ac.id>

----- Forwarded message -----

From: Ahmad Data <ahmad.data.dariansyah@gmail.com>

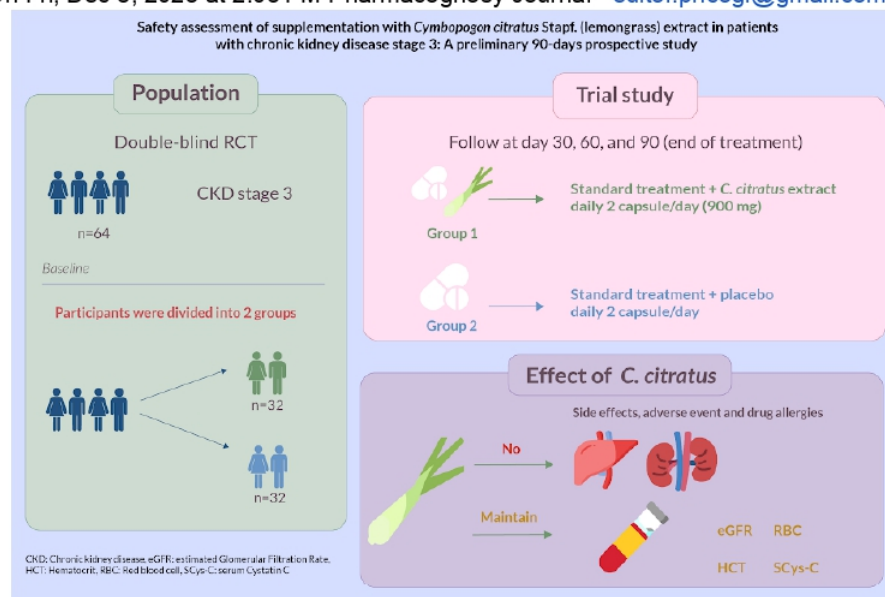
Date: Sat, Dec 9, 2023, 08:37

Subject: Re: Manuscript Accepted for Publication-PJ-23-1579

To: Pharmacognosy Journal <editor.phcogi@gmail.com>

Here we attached the author's biography and graphical abstract.
Thank you.

On Fri, Dec 8, 2023 at 2:03 PM Pharmacognosy Journal <editor.phcogi@gmail.com> wrote:



On Fri, Dec 8, 2023 at 8:03 PM Pharmacognosy Journal <editor.phcogi@gmail.com> wrote:

Dear Ahmad,

Thanks for your email. Please find the attached sample for graphical abstract.
About authors -- max 100 words for each author.

regards,
Emily Flora

MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

Manuscript Accepted for Publication-PJ-23-1579

Ahmad Data <ahmad.data.dariansyah@gmail.com>

12 Januari 2024 pukul 12.20

Kepada: fika.wulansari@gmail.com, [muhammad arifin <muhammad.arifin@fk.unair.ac.id>](mailto:muhammad.arifin@fk.unair.ac.id)

----- Forwarded message -----

From: **Pharmacognosy Journal** <editor.phcogi@gmail.com>

Date: Wed, Jan 3, 2024, 12:57

Subject: Re: Manuscript Accepted for Publication-PJ-23-1579

To: Ahmad Data <ahmad.data.dariansyah@gmail.com>

Dear Ahmad,

Happy New Year!

We request you to please arrange the references in the text as per the journal format and send us the updated manuscript at the earliest.

Awaiting your reply.

regards,
Emily Flora

On Mon, Dec 11, 2023 at 4:31 PM Pharmacognosy Journal <editor.phcogi@gmail.com> wrote:

Dear Ahmad,

Thank you for sending us the requested details. Within 30 working days, you will receive the galley proof.

Regards,
Emily Flora

On Sat, Dec 9, 2023 at 1:37 PM Ahmad Data <ahmad.data.dariansyah@gmail.com> wrote:

Here we attached the author's biography and graphical abstract.

Thank you.



MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

Manuscript Accepted for Publication-PJ-23-1579

Ahmad Data <ahmad.data.dariansyah@gmail.com>

12 Januari 2024 pukul 12.21

Kepada: fika.wulansari@gmail.com, muhammad arifin <muhammad.arifin@fk.unair.ac.id>

----- Forwarded message -----

From: Ahmad Data <ahmad.data.dariansyah@gmail.com>

Date: Tue, Jan 9, 2024, 17:35

Subject: Re: Manuscript Accepted for Publication-PJ-23-1579

To: Pharmacognosy Journal <editor.phcogi@gmail.com>

To Emily Flora and the editorial board of Pharmacognosy Journal.

Regarding the manuscript that we submitted, is there an estimated date when we can get the PDF copy of the manuscript?

Because the PDF is urgently needed for academic requirements at my university.

Sorry if we bother you. Thank you very much for your help.

Sincerely yours,

Ahmad Data Dariansyah

On Thu, Jan 4, 2024 at 8:30 AM Pharmacognosy Journal <editor.phcogi@gmail.com> wrote:

Well received with thanks.

On Wed, Jan 3, 2024 at 7:07 PM Ahmad Data <ahmad.data.dariansyah@gmail.com> wrote:

I am sorry, please use this latest version.

Thank you in advance.

On Wed, Jan 3, 2024 at 12:39 PM Ahmad Data <ahmad.data.dariansyah@gmail.com> wrote:

Happy new year to you too.

I hereby send the revised manuscript.

I hope to hear good news from you soon, and hope that this manuscript can be published soon.

Thank you very much for your help.

Sincerely yours,



MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

Manuscript Accepted for Publication-PJ-23-1579

Ahmad Data <ahmad.data.dariansyah@gmail.com>

12 Januari 2024 pukul 12.21

Kepada: fika.wulansari@gmail.com, muhammad arifin <muhammad.arifin@fk.unair.ac.id>

----- Forwarded message -----

From: **Pharmacognosy Journal** <editor.phcogi@gmail.com>

Date: Wed, Jan 10, 2024, 16:51

Subject: Re: Manuscript Accepted for Publication-PJ-23-1579

To: Ahmad Data <ahmad.data.dariansyah@gmail.com>

Dear Ahmad,

Thanks for your email. You will receive the galley proof of your article in 3-4 working days.

regards,
Emily Flora

On Tue, Jan 9, 2024 at 10:36 PM Ahmad Data <ahmad.data.dariansyah@gmail.com> wrote:

To Emily Flora and the editorial board of Pharmacognosy Journal.

Regarding the manuscript that we submitted, is there an estimated date when we can get the PDF copy of the manuscript?

Because the PDF is urgently needed for academic requirements at my university.

Sorry if we bother you. Thank you very much for your help.

Sincerely yours,

Ahmad Data Dariansyah



MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

Manuscript Accepted for Publication-PJ-23-1579

Ahmad Data <ahmad.data.dariansyah@gmail.com>

12 Januari 2024 pukul 12.21

Kepada: fika.wulansari@gmail.com, muhammad arifin <muhammad.arifin@fk.unair.ac.id>

----- Forwarded message -----

From: **Pharmacognosy Journal** <editor.phcogi@gmail.com>

Date: Thu, Jan 11, 2024, 13:20

Subject: Re: Manuscript Accepted for Publication-PJ-23-1579

To: Ahmad Data <ahmad.data.dariansyah@gmail.com>

Dear Ahmad,

Please find the attached galley proof. Let me know if any changes are needed within 48hrs.

Regards,
Emily Flora

On Wed, Jan 10, 2024 at 10:19 PM Pharmacognosy Journal <editor.phcogi@gmail.com> wrote:

Thank you for your understanding.

On Wed, Jan 10, 2024 at 10:09 PM Ahmad Data <ahmad.data.dariansyah@gmail.com> wrote:

Thanks for the explanation. I hope the process can run quickly and smoothly.

On Wed, Jan 10, 2024, 15:51 Pharmacognosy Journal <editor.phcogi@gmail.com> wrote:

Dear Ahmad,

Thanks for your email. You will receive the galley proof of your article in 3-4 working days.

regards,
Emily Flora

MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

Manuscript Accepted for Publication-PJ-23-1579

Ahmad Data <ahmad.data.dariansyah@gmail.com>

12 Januari 2024 pukul 12.22

Kepada: fika.wulansari@gmail.com, [muhammad arifin <muhammad.arifin@fk.unair.ac.id>](mailto:muhammad.arifin@fk.unair.ac.id)

----- Forwarded message -----

From: **Ahmad Data** <ahmad.data.dariansyah@gmail.com>

Date: Thu, Jan 11, 2024, 14:28

Subject: Re: Manuscript Accepted for Publication-PJ-23-1579

To: Pharmacognosy Journal <editor.phcogi@gmail.com>

I already read the manuscript and there is no other correction for the manuscript.

Is it possible to make the manuscript published/readily available online in the fastest way? Because I urgently need the online link of the manuscript.

Thank you for your understanding and your help.

On Thu, Jan 11, 2024, 13:54 Pharmacognosy Journal <editor.phcogi@gmail.com> wrote:

Thank you, I will do that.

On Thu, Jan 11, 2024 at 6:53 PM Ahmad Data <ahmad.data.dariansyah@gmail.com> wrote:

Thank you, I will check and get back to you.

In the meantime, could you also send the email to the correspondence author? The email is: muhammad.arifin@fk.unair.ac.id

Thank you very much.



MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

Manuscript Accepted for Publication-PJ-23-1579

MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

17 Januari 2024 pukul 08.59

Kepada: Pharmacognosy Journal <editor.phcogi@gmail.com>

Dear editorial board of Pharmacognosy Journal.

When will our manuscript be published and readily available online on your website?

Because we need it urgently. Could you make it into a supplementary edition?

Our colleagues who submitted to your journal later than us already had their manuscript online on your website.

Thank you for your understanding.

[Kutipan teks disembunyikan]



MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

Manuscript Accepted for Publication-PJ-23-1579

Pharmacognosy Journal <editor.phcogi@gmail.com>

17 Januari 2024 pukul 12.10

Kepada: MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>, Ahmad Data

<ahmad.data.dariansyah@gmail.com>

Dear MUHAMMAD and Ahmad,

Thanks for your email. Volume 16 Issue 1 will be released by the end of February 2024.

Meanwhile, we can publish your article in 'Article in Press'.

Hope you understand.

regards,

Emily Flora

[Kutipan teks disembunyikan]



MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

Manuscript Accepted for Publication-PJ-23-1579

MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

19 Januari 2024 pukul 12.23

Kepada: Pharmacognosy Journal <editor.phcogi@gmail.com>

Dear editorial boards,

I would like to ask about Pharmacognosy Journal continuity in SCOPUS indexed journals. Is the journal still indexed in **SCOPUS** at 2024 or will it end in 2023?

The second question is if our manuscript is relevant to the scope of your journal?

Thank you for the answer.

[Kutipan teks disembunyikan]



MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

Manuscript Accepted for Publication-PJ-23-1579

Pharmacognosy Journal <editor.phcogi@gmail.com>

20 Januari 2024 pukul 12.18

Kepada: MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

Dear MUHAMMAD,

Thanks for your email. Once the first issue of 2024 is released then our articles and Scopus site will be updated and indexed in Scopus.

Yes, your article fits our journal scope.

Dont hesitate to contact us with further queries.

regards,
Emily flora

[Kutipan teks disembunyikan]



MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

Manuscript Accepted for Publication-PJ-23-1579

MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

28 Februari 2024 pukul 08.36

Kepada: Pharmacognosy Journal <editor.phcogi@gmail.com>

Dear editorial board of Pharmacognosy Journal.

I have checked your website, and found our article already published online.

However, there are several things that need to be resolved. Could you do me a favor?

1. We find there are 2 manuscripts in your website (uncorrected proof and final version). An image is attached to show the problem. Could you delete the uncorrected proof version?
2. Due to academic matters from my university, can I get the **cover and table of contents of the latest edition of this journal (February 2024)** which contains my manuscript?

Thank you very much for your help, we are sorry if it's a hassle.

Sincerely yours,

Muhammad Arifin Parenrengi

[Kutipan teks disembunyikan]



MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

Manuscript Accepted for Publication-PJ-23-1579

Pharmacognosy Journal <editor.phcogi@gmail.com>

28 Februari 2024 pukul 11.33

Kepada: MUHAMMAD ARIFIN <muhammad.arifin@fk.unair.ac.id>

Dear MUHAMMAD,

Thanks for your email. We will remove the uncorrected file at the earliest.

Also, please find the attached table of content of Issue 1.

Dont hesitate to contact us for further information.

regards,
EMily Flora

[Kutipan teks disembunyikan]


 **PJ_16-1_TOC.pdf**
229K

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Andi Muh. Maulana, Kusmardi Kusmardi, Erni Hernawati Purwaningsih, Andon Hestiantoro, Taifo Mahmud, Heri Wibowo, Bambang Pontjo Priosoeryanto, Primariadewi Rustamadji, Numlil Khaira Rusdi

DOI : 10.5530/pj.2024.16.1

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PJ-16-1-1535

Androgenic Efficacy and Mechanism of Glycosides-Based Standardized Fenugreek Seeds Extract Through Aromatase And 5-Alpha Reductase Inhibition

Urmila M. Aswar, Savita R. Nimse, Prasad A. Thakurdesai

DOI : 10.5530/pj.2024.16.2

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PJ-16-1-1579

Effects of Cerebrospinal Fluid Drainage on Pro-Inflammatory and Anti-Inflammatory Cytokines Expression in the Subventricular Zone of Kaolin-Induced Hydrocephalic Rats

Muhammad Ariefin Parenengi, Ahmad Data Dariansyah, Wibasto Suryaningtyas, Dyab Fauzjab, I Ketut Sudiana, Budi Utomo, Prastiya Indra Gunawan

DOI : 10.5530/pj.2024.16.3

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PJ-16-1-1537

Unlocking the Potential of Stingray (*Dasyatis sephen*) Extract: A Novel Investigation into EPA and DHA Effects on Lipid Metabolism in High-Fat Diet-Fed Wistar Rats

Sibning EJT, Ni Komang Sri Dewi Untari, Dian Maria Pia

DOI : 10.5530/pj.2024.16.4

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PJ-16-1-1375

Unlocking the Potential of Stingray (*Dasyatis sephen*) Extract: A Novel Investigation into EPA and DHA Effects on Lipid Metabolism in High-Fat Diet-Fed Wistar Rats

Sibning EJT, Ni Komang Sri Dewi Untari, Dian Maria Pia

DOI : 10.5530/pj.2024.16.5

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The Effect of Glycopyrrolate to Support Fentanyl on Reducing Airway Irritation during Inhalation Induction with Desflurane and Nitrous Oxide in Adult Patients

Erwin Mulyawan, Clarissa Jasmine Aurelia

DOI : 10.5530/pj.2024.16.6

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Unveiling Potential Therapies: Molecular Docking Analysis of CAMKK2 and Its Mutant Variants with CAMKK2 Inhibitors in Indonesian Patients with HIV-Sensory Neuropathy

Ahmad Yanuar Safri, Salim Harris, Putera Dewa Haryono, Ariane Benina Budiwan, Eugenia Isadora, Aisyah Fitriannisa Prawiningrum, Fadilah Fadilab

DOI : 10.5530/pj.2024.16.7

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PJ-16-1-1623**Predictive Simulation and Functional Insights of Serotonin Transporter: Ligand Interactions Explored through Database Analysis***Irzan Nurman, Ninik Mudjibartini, Nurbadi Ibrahim, Linda Erlina, Fadilab Fadilab, Muchtaruddin Mansyur*

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