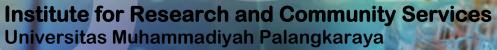


Borneo Journal of

PHARMACY

Volume 8 Issue 1 February 2025

Accredited at SINTA 2 until February 2025
by Ministry of Research and Technology / National Research and Innovation Agency, Indonesia
No: 148/M/KPT/2020.



BORNEO JOURNAL OF PHARMACY

Borneo J Pharm e-ISSN: 2621-4814

Volume 8 Issue 1 February 2025

Department of Pharmacy Faculty of Health Sciences Universitas Muhammadiyah Palangkaraya

EDITOR IN CHIEF

Mohammad Rizki Fadhil Pratama

Universitas Muhammadiyah Palangkaraya, Indonesia ORCID: https://orcid.org/0000-0002-0727-4392

Ahmed Mahal
Chinese Academy of Sciences, China
Lina Perekhoda
National University of Pharmacy, Ukraine
Jyoti Singh
CSIR-CIMAP, India
Shayma Thyab Gddoa Al-Sahlany
University of Basrah, Iraq

Quazi Majaz Ahamed Aejazuddin
Ali Allana College of Pharmacy, India
Nalini Kanta Sahoo
Marri Laxman Reddy Institute of Pharmacy, India
Luis Castillo Henriquez
Universidad de Costa Rica, Costa Rica
Heng Yen Khong
Universiti Teknologi MARA Sarawak, Malaysia
Syahrida Dian Ardhany
Universitas Muhammadiyah Palangkaraya,
Indonesia

MANAGING EDITOR

Khalid Karrouchi
Mohammed V University in Rabat, Morocco
Alaa Kareem Niamah
University of Basrah, Iraq
Neni Frimayanti
Sekolah Tinggi Ilmu Farmasi Riau, Indonesia
Erwin Martinez Faller
San Pedro College, Philippines
Susi Novaryatiin
Universitas Muhammadiyah Palangkaraya,
Indonesia

REVIEWER

Keni Vidilaseris University of Helsinki, Finland Oleh M Koshovyi National University of Pharmacy, Ukraine Atul Kabra Raffles University, India Arthi Venkatesan ALTEM Technologies, India Ashraf Ahmed Ali Abdusalam Sirte University, Libya Adryan Fristiohady Universitas Halu Oleo, Indonesia Pravasee Baruah North-Eastern Hill University, India Santwana Palai Odisha University of Agriculture and Technology, India Saeful Amin Sekolah Tinggi Ilmu Kesehatan Bakti Tunas Husada, Indonesia Hasyrul Hamzah

Universitas Muhammadiyah Kalimantan

Nurolaini Kifli Universiti Brunei Darussalam, Brunei Darussalam Alexandru Mihai Grumezescu Politechnica University of Bucharest, Romania Anna Vladimirovna Kurkina Samara State Medical University, Russia A Lalithamma Karpaga Vinayaga Institute of Medical Sciences, India Iulaeha Universitas 17 Agustus 1945 Jakarta, Indonesia **Ihsanul Arief** Akademi Farmasi Yarsi Pontianak, Indonesia Mohammed Gamal Jouf University, Saudi Arabia Dian Wuri Astuti Sekolah Tinggi Ilmu Kesehatan Guna Bangsa Yogyakarta, Indonesia Monai Kumar Sarkar Shanmugha Arts, Science, Technology and Research Academy (SASTRA) Deemed University, India Hafsan

Universitas Islam Negeri Alauddin Makassar,

Mahendran Sekar Universiti Kuala Lumpur, Malaysia Punet Kumar Shri Gopichand College of Pharmacy, India Rimadani Pratiwi Universitas Padjadjaran, Indonesia Ruqiah Ganda Putri Panjaitan Universitas Tanjungpura, Indonesia Sutomo Universitas Lambung Mangkurat, Indonesia Arnida Universitas Lambung Mangkurat, Indonesia Andhika Bintang Mahardhika Institut Teknologi Bandung, Indonesia Isna Rasdianah Aziz Universitas Islam Negeri Alauddin Makassar, Indonesia Dhafer Saber Zinad

University of Technology, Iraq

Paula Mariana Kustiawan

Universitas Muhammadiyah Kalimantan

Timur, Indonesia

COVER & LAYOUT DESIGN

Syahrida Dian Ardhany

PUBLISHED BY



Timur, Indonesia

Institute for Research and Community Services

Indonesia

Universitas Muhammadiyah Palangkaraya RTA Milono St. Km. 1,5 Palangka Raya 73111 bjop@umpr.ac.id https://journal.umpr.ac.id/index.php/bjop

EDITORIAL WORDS

apt. Mohammad Rizki Fadhil Pratama, S.Farm., M.Si.

Editor in Chief Borneo J Pharm

Assalamu'alaikum Wr. Wb.

Alhamdulillahirabbil 'alamin. The next edition of **Borneo Journal of Pharmacy** (*Borneo J Pharm*), has been published at February 2025. This edition contains ten articles: Pharmaceutical Regulations, Pharmacology-Toxicology, Clinical-Community Pharmacy, Pharmacognosy-Phytochemistry, Analytical Pharmacy-Medicinal Chemistry, and Natural Product Development, and. This edition includes writings from three countries: Egypt, Indonesia, and Libya. The authors come from several institutions, including Indonesian Food and Drug Authority, Universitas Lambung Mangkurat, Universitas Borneo Lestari, Institut Teknologi Bandung Universitas Muhammadiyah Surabaya, Universitas Mahasaraswati Denpasar, Universitas Muhammadiyah Palangkaraya, Universitas Islam Indonesia, Sekolah Tinggi Ilmu Kesehatan Salsabila Serang, University of Tripoli, Egypt-Japan University of Science and Technology, El Ezaby Pharmacy, Universitas Ahmad Dahlan, IPB University, and Universitas Sriwijaya.

Editorial boards are fully aware that there are still room for improvement in this edition, hence with all humility willing to accept constructive suggestions and feedback for improvements to the publication for the next editions. The editorial board would like to thank all editors and reviewers, and contributors of the scientific articles who have provided the repetoire in this issue. We hope that all parties, especially the contributors, could re-participate for the publication in the next edition on May 2025.

Wassalamu'alaikum Wr. Wb.

Palangka Raya, February 2025

Editor-in-Chief

Table of Contents BORNEO JOURNAL OF PHARMACY

Borneo J Pharm - e-ISSN: 2621-4814

Volume 8 Issue 1 February 2025

Sections: PHARMACEUTICAL REGULATIONS

The Strategic Role of the Indonesian FDA in Empowering Micro, Small, and Medium Enterprises in the Drug and Food Sectors: A Review

Mohamad Kashuri / Indonesian Food and Drug Authority, Indonesia **Taruna Ikrar** / Indonesian Food and Drug Authority, Indonesia 1 – 14

Sections: PHARMACOLOGY-TOXICOLOGY

Antioxidant Activity of Edible Bird's Nest (Aerodramus fuciphagus) from Central Borneo, Indonesia

Dita Ayulia Dwi Sandi / Universitas Lambung Mangkurat, Indonesia Eka Fitri Susiani / Universitas Borneo Lestari, Indonesia Satrio Wibowo Rahmatullah / Universitas Lambung Mangkurat, Indonesia I Ketut Adnyana / Institut Teknologi Bandung, Indonesia Pratiwi Wikaningtyas / Institut Teknologi Bandung, Indonesia

15 - 24

Sections: CLINICAL-COMMUNITY PHARMACY

Antihypertension Profile During Pregnancy at a Private Hospital in Surabaya

Oktaviany Irma Wiputri / Universitas Muhammadiyah Surabaya, Indonesia Iftakhur Rahma / Universitas Muhammadiyah Surabaya, Indonesia Karima Samlan / Universitas Muhammadiyah Surabaya, Indonesia 25 - 32

Eribulin Effectiveness and Safety in Metastatic Triple-Negative Breast Cancer: A Narrative Review

Herleeyana Meriyani / Universitas Mahasaraswati Denpasar, Indonesia Dwi Arymbhi Sanjaya / Universitas Mahasaraswati Denpasar, Indonesia Rr. Asih Juanita / Universitas Mahasaraswati Denpasar, Indonesia Nyoman Budiartha Siada / Universitas Mahasaraswati Denpasar, Indonesia Nurul Chusna / Universitas Muhammadiyah Palangkaraya, Indonesia Florentina Gabriela Ketupapa / Universitas Mahasaraswati Denpasar, Indonesia 33 - 48

The Effect of Directly Observed Treatment Strategy on Cost Utility of Pulmonary Tuberculosis Patients at Banten Regional Public Hospital

Baha Udin / Universitas Islam Indonesia & Sekolah Tinggi Ilmu Kesehatan Salsabila Serang, Indonesia Yusransyah / Sekolah Tinggi Ilmu Kesehatan Salsabila Serang, Indonesia Saepudin / Universitas Islam Indonesia, Indonesia 49 - 60

Sections: PHARMACOGNOSY-PHYTOCHEMISTRY

Potential of *Moringa oleifera* Effervescent Granules as a New Antacid: Micronutrients, Formulation, and Evaluation

Hanin Nafed Mughrbi / University of Tripoli, Libya Tamader Youssef Elghnimi / University of Tripoli, Libya Jumana Aljawadi / University of Tripoli, Libya

Could Nigella sativa Extract be a Promising Anticancer Agent?

Mennatallah Shabana / Egypt-Japan University of Science and Technology, Egypt
Ahmed Abd El-Moniem Amer / El Ezaby Pharmacy, Egypt
73 - 79

Sections: ANALYTICAL PHARMACY-MEDICINAL CHEMISTRY

Chemical Compound Profile of Bajakah Kalalawit (*Uncaria gambir* Roxb) Stem Extract Using Liquid Chromatography High-Resolution Mass Spectrometry

Ainun Fawaid / Universitas Ahmad Dahlan, Indonesia Nurkhasanah Mahfudh / Universitas Ahmad Dahlan, Indonesia 80 - 94

Analysis of Amino Acid Profiles in Bone, Oil, and Muscle Tissue and Wound Healing Activity of

 $Pangasius\ hypophthalmus\ Oil\ in\ Rattus\ norvegicus$

Hidayaturrahmah / IPB University & Universitas Lambung Mangkurat, Indonesia

Agik Suprayogi / IPB University, Indonesia

Novriyandi Hanif / IPB University, Indonesia

Katrin Roosita / IPB University, Indonesia

Huda Shalahudin Darusman / IPB University, Indonesia

Lia Aprilyana / Universitas Lambung Mangkurat, Indonesia

95 - 106

Sections: NATURAL PRODUCT DEVELOPMENT

Evaluation of Aqueous Extract from Cosmos caudatus Leaves in Alloxan-Induced Diabetic Rats

Ayeshah Augusta Rosdah / Universitas Sriwijaya, Indonesia Amanda Natasha / Universitas Sriwijaya, Indonesia Nia Savitri Tamzil / Universitas Sriwijaya, Indonesia Subandrate / Universitas Sriwijaya, Indonesia

Author Guidelines BORNEO JOURNAL OF PHARMACY

Borneo J Pharm - e-ISSN: 2621-4814

- Writing is the result of research or review of critical analysis study in the field but not limited to Pharmacology-Toxicology, Pharmacognosy-Phytochemistry, Pharmaceutical, Analytical Pharmacy-Medicinal Chemistry, Natural Product Development, Clinical-Community Pharmacy, Management Pharmacy, and other Pharmacy aspects which have never been published in other scientific publication media.
- 2. Manuscripts that have been published in the form of a preprint on several platforms such as arXiv, INA-RXiv, SSRN, and ResearchGate are welcome to publish.
- 3. The manuscript is written in English with Book Antiqua font 10 pt, two-column, density 1.15 spaces, on A4 paper with a top-down margin of 2.5 cm and right-left margins 1.5 cm.
- 4. The manuscript is typed with MS-Word program using the provided template and saved in .doc or .docx format.
- 5. The manuscript is typed strictly with the following rules:
 - a. The title, short and clear, written in English. The title length does not exceed 20 words.
 - b. Authors, listed without mention of title or degree, under the name including the affiliation and complete address, and email of the corresponding author. The author's name, which consists of one word, must be repeated twice for first and last names. To author with names of more than two words, the author's last name consists of only one word, the rest is written as the first name.
 - c. Abstract, written in English which is a summary of the article. The abstract is created in one paragraph and a maximum of 250 words with Book Antiqua font 9 pt, single column, and space 1. Points that must be listed in the abstract include the research objectives, methods, results, conclusions, and keywords. The number of keywords is between three and five keywords.
 - d. Introduction, contain background, reasons for the importance of underlying research or hypotheses, general approaches and objectives of the research and relevant literature review. The number of paragraphs not restricted but the contents must include background, objectives, positions on previous research, as well as the novelty of the research. The little theoretical basis which indirectly related to the contents of the article could be included without sub-chapters required. Citation is written in occurrence number on the manuscript (Vancouver style).
 - e. Methodology, Research method consists of 2 sub-chapters including materials and methods. If data analysis is specific, or the way of analysis is novel, then data analysis subchapter could be added. The sub-chapters are written without numbering or bullet.
 - f. Results and Discussion, at least contain three subjects (1) description of results, (2) interpretation or explanation of results, and (3) comparative of results with previous studies results. If the subchapters very length could be made sub-sub-chapters with Arabic numbering. Description of the results can be in the form of tables and figures with a serial number (Table uses a sequence of Roman numerals and placed at the top, while figures using Arabic numeric sequence and placed in the below).
 - g. Conclusion, made in a single paragraph without the citation contains the final conclusion and suggestions for advanced research.
 - h. References, a list of recently selected topics is published last five years (the minimum percentage and a minimum number of references are different for each type of manuscript). The bibliography is written in chronological order with the serial number (Vancouver style) and suggested using a reference management application such as EndNote, Mendeley, Zotero, and other applications.
- 6. Authors whose manuscripts are published are free of charge for both Publication cost and article processing charge.
- 7. Authors will get full access to the article published on e-journal of Universitas Muhammadiyah Palangkaraya at the website https://journal.umpr.ac.id/index.php/bjop.

