Assalamu’alaikum Wr. Wb.

Alhamdulillahirabbil ‘alamin. The next edition of Borneo Journal of Pharmacy (Borneo J Pharm), has been published at August 2023. This edition contains ten articles: Pharmacology-Toxicology, Analytical Pharmacy-Medicinal Chemistry, Natural Product Development, Microbiology Pharmacy, and Clinical-Community Pharmacy. This edition includes writings from five countries: Cyprus, Indonesia, Malaysia, Nigeria, and the Democratic Republic of the Congo. The authors come from several institutions, including University of Maiduguri, Cyprus International University, Newcastle University Medicine Malaysia, Ahmadu Bello University, Adamawa State Polytechnic, Modibbo Adama University, Politeknik ATI Padang, Universitas Andalas, Politeknik Teknologi Kimia Industri Medan, Université de Kinshasa, Universitas Airlangga, Universitas Ahmad Dahlan, Universitas Islam Negeri Maulana Malik Ibrahim, Universitas Udayana, Institut Teknologi dan Kesehatan Bali, Sekolah Tinggi Farmasi Mahaganesha, and Universitas Gadjah Mada.

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 repertoire in this issue. We hope that all parties, especially the contributors, could re-participate for the publication in the next edition on November 2023.

Wassalamu’alaikum Wr. Wb.

Palangka Raya, August 2023

Editor-in-Chief
**Table of Contents**

**BORNEO JOURNAL OF PHARMACY**

*Borneo J Pharm* – e-ISSN: 2621-4814

*Volume 6 Issue 3 August 2023*

**Sections: PHARMACOLOGY-TOXICOLOGY**

*Aloe vera* Gel Ameliorates Fat-Rich and High Fructose (FRHF) Diet-Induced Pancreatic and Splenic Damage in Mice

Nathan Isaac Dibal / University of Maiduguri  
Zainab Muhammad Goni / University of Maiduguri  
Martha Orundu Oche Attah / Cyprus International University  
Umar Imam / University of Maiduguri  
Muhammad Abdullahi / University of Maiduguri  
Muzammil Bashir / University of Maiduguri  
Usman Adam / University of Maiduguri  
Fatima Aisami / University of Maiduguri  
Mohammed Shuwa / University of Maiduguri  
Sunday Joseph Manye / University of Maiduguri  
Madu Nom Gadzama / University of Maiduguri  
Musa Samaila Chiroma / Newcastle University Medicine Malaysia  
Helga Bedan Ishaya / University of Maiduguri

222 – 228

**Sections: ANALYTICAL PHARMACY-MEDICINAL CHEMISTRY**

2D-QSAR, Docking, Molecular Dynamics Simulations with the MM/GBSA Approaches against Graves' Disease and PTPN22

Emmanuel Israel Edache / University of Maiduguri & Ahmadu Bello University  
Adamu Uzairu / Ahmadu Bello University  
Paul Andrew Mamza / Ahmadu Bello University  
Gideon Adamu Shallangwa / Ahmadu Bello University

229 – 248

Potential Antidiabetic Compounds from *Anogeissus leiocarpus*: Molecular Docking, Molecular Dynamic Simulation, and ADMET Studies

Mubarak Muhammad Dahiru / Adamawa State Polytechnic  
Neksumi Musa / Adamawa State Polytechnic  
AbdulAzeez Mumsiri Abaka / Adamawa State Polytechnic  
Maimuna Abdulrahman Abubakar / Modibbo Adamawa University

249 – 277

**Sections: NATURAL PRODUCT DEVELOPMENT**

Characterization of Secondary Metabolites Profile from Methanol Fraction of Temurui (*Murraya koenigii* (Linn.) Spreng) Leaves Using UPLC-MS

Intania Permata / Politeknik ATI Padang & Universitas Andalas  
Adlis Santoni / Universitas Andalas  
Afrizal / Universitas Andalas  
Trisno Afandi / Politeknik Teknologi Kimia Industri Medan

278 – 286
Utilization, Phytochemistry and Biological Activity of *Hua gabonii* Pierre ex De Wild.

Clément Mutunda Mbadiko / Université de Kinshasa
Gédéon Ngiala Bongo / Université de Kinshasa
Jean-Paul Koto-te-Nyiwa Ngbolua / Université de Kinshasa
Marie Claire Dembo D’A Letshu Yandju / Université de Kinshasa
Pius Tshimankinda Mpiana / Université de Kinshasa
Théophile Fundu Mbemba / Université de Kinshasa

287 – 294

**Sections:** MICROBIOLOGY PHARMACY

Fibrinolytic Protease Activity of Crude Enzyme from Fermented Sunflower (*Helianthus annuus*) and Common Bean (*Phaseolus vulgaris*) seeds by *Rhizopus microsporus* var. *oligosporus* FNCC 6010 in Solid State Fermentation

Rebhika Lusiana / Universitas Airlangga
Achmad Toto Poernomo / Universitas Airlangga
Achmad Syahrani / Universitas Airlangga

295 – 304

Antibacterial Effect of Cinnamon and Citronella Oils Combination Against Acne-Related Bacteria

Sri Mulyaningsih / Universitas Ahmad Dahlan
Arya Guna Ramadhan / Universitas Ahmad Dahlan
Widyasari Putranti / Universitas Ahmad Dahlan

305 – 313

**Sections:** CLINICAL-COMMUNITY PHARMACY

Qualitative Evaluation on the Use of Pneumonia Antibiotics for Covid-19 Patients at X Hospital Bali in 2020

Wirda Anggraini / Universitas Islam Negeri Maulana Malik Ibrahim
Fitria Rahma Fauzia / Universitas Islam Negeri Maulana Malik Ibrahim
Arief Suryadinata / Universitas Islam Negeri Maulana Malik Ibrahim
Burhan Ma’arif / Universitas Islam Negeri Maulana Malik Ibrahim
Ni Nyoman Sri Budayanti / Universitas Udayana
Fransiska Rosari Dewi / Institut Teknologi dan Kesehatan Bali

314 – 319

Quality of Life in End-Stage Renal Disease Patients Undergoing Hemodialysis and Its Affecting Factors in a Hemodialysis Unit of General Hospital Denpasar

Agustina Nila Yuliawati / Sekolah Tinggi Farmasi Mahaganesha
Pande Made Desy Ratnasari / Sekolah Tinggi Farmasi Mahaganesha
Ni Luh Putu Satria Maharani / Sekolah Tinggi Farmasi Mahaganesha

320 – 329

Public Perspective on Hyperlipidemia Drugs and Sentiments About Hyperlipidemia on Twitter

Murojil Hasan / Universitas Gadjah Mada
Chairun Wiedyaningsih / Universitas Gadjah Mada
Nanang Munif Yasin / Universitas Gadjah Mada

330 – 338
1. 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.