

Volume 4, Issue 1  
June 2022

E-ISSN : 2301-7708  
P-ISSN : 2301-7694



# JPSA



**Journal of Pharmaceutical Sciences and Applications**

Published by  
Pharmacy Departement  
Udayana University



---

## **JOURNAL OF PHARMACEUTICAL SCIENCE AND APPLICATION EDITORIAL BOARD**

Editor in Chief (EiC) : Dr.rer.nat I Made Agus Gelgel Wirasuta.,M.Si.,Apt. (Universitas Udayana)  
Associate EiC : Made Krisna Adi Jaya, S.Farm., M.Farm., Apt. (Universitas Udayana)  
Section Editor : I Wayan Martadi Santika, S.Farm, M.Si., Apt. (Universitas Udayana)  
Web Design : Putu Sanna Yustiantara,S.Farm,M.Si,Apt (Universitas Udayana)  
Publisher : Program Studi Farmasi, Fakultas MIPA, Universitas Udayana

### **PEER REVIEWER**

Dr. ROZA DIANITA

School of Pharmaceutical Sciences, Sains Malaysia University

Dr. EIKE REICH

Presiden of HPTLC Assoziation. CAMAG Laboratory, Muttentz, Switzerland

FLORENTINUS DIKA OCTA RISWANTO, S.Farm., M.Sc.

Department of Pharmacy, Sanata Dharma University

Prof. Dr. AM. GUNAWAN INDRAYANTO, Apt.

Faculty of Pharmacy, Universitas Airlangga

Dr. rer. nat. NI PUTU ARIANTARI, S.Farm., M.Farm., Apt.

Department of Pharmacy, Faculty of Math and Science, Udayana University, Bali, Indonesia

PUTU OKA SAMIRANA, S.Farm., M.Sc., Apt.

Department of Pharmacy, Faculty of Math and Science, Udayana University, Bali, Indonesia

I GUSTI AGUNG AYU KARTIKA, S.Farm., M.Si., Apt.

Pharmacology and Clinical Pharmacy Department, School of Pharmacy, Institut Teknologi Bandung



---

Dr. YUDI PURNOMO, M.Kes, Apt.

Department of Pharmacy, Medical Faculty, Islam Malang University

ALVI KUSUMA WARDANI, S.Farm., M.Farm., Apt.

Department of Pharmacy, Muhammadiyah Mataram University

Dr. EKA INDRA SETYAWAN, S.Farm,M.Sc,Apt

Department of Pharmacy, Faculty of Math and Science, Udayana University, Bali, Indonesia

COKORDA ISTRI SRI ARISANTI, S.Farm.,M.Si.,Apt.

Department of Pharmacy, Faculty of Math and Science, Udayana University, Bali, Indonesia

Prof. Dr. I KETUT ADNYANA, M.Si., Apt.

Pharmacology and Clinical Pharmacy Department, School of Pharmacy, Institut Teknologi Bandung

KETUT WIDYANI ASTUTI, S.Si., M.Biomed., Apt.

Department of Pharmacy, Faculty of Math and Science, Udayana University, Bali, Indonesia

MADE ARY SARASMITA, S.Farm, M.Farm. Klin, Apt.

Department of Pharmacy, Faculty of Math and Science, Udayana University, Bali, Indonesia

BAIQ LENY NOPITASARI, S.Farm., M.Farm., Apt.

Department of Pharmacy, Muhammadiyah Mataram University

PUTU EKA ARIMBAWA, S.Farm., M.Kes., Apt.

Department of Pharmacy, Bali Internasional University

---

## TABLE OF CONTENT

### JOURNAL OF PHARMACEUTICAL SCIENCE AND APPLICATION

#### VOLUME 4, ISSUE 1, JUNE 2022

FORMULATION EFFERVESCENT TABLETS ETHANOL EXTRACT OF PAPAYA LEAVES ( <i>Carica papaya</i> L.) AS TOPICAL ANTISEPTIC WITH CITRIC ACID-TARTARIC ACID VARIATIONS.....	1-11
(Gusti Ayu Nyoman Tri Isa Partama, Ni Kadek Ari Kristiani, Anak Agung Istri Manik Priastari, I Gusti Ngurah Jemmy Anton Prasetia)	
ANTI-INFLAMMATORY ACTIVITY OF PEGAGAN LEAVES ( <i>Centella asiatica</i> (L.) Urban) EXTRACT CREAM.....	12-18
(Siti Mardiyah)	
THE EFFECTIVENESS TEST OF INFUSION CELERY ROOT ( <i>Apium graveolens</i> L.) AS A DIURETIC IN WISTAR MALE WHITE RATS ( <i>Rattus Norvegicus</i> ): A LITERATURE STUDY.....	19-25
(Ida Ayu Dhea Rahnia, Made Krisna Adi Jaya)	
ACTIVITY OF BAY LEAF EXTRACT ( <i>Eugenia polyantha</i> ) AS ANTI-INFLAMMATORY IN WHITE RAT ( <i>Rattus norvegicus</i> ): NARRATIVE REVIEW.....	26-32
(Ida Ayu Nadia Kusumastuti, Made Krisna Adi Jaya)	
THE POTENTIAL OF FRANGIPANI FLOWER EXTRACT ( <i>Plumeria alba</i> L.) AS AN ANTIBACTERIAL: A LITERATURE REVIEW .....	33-38
(Hana Yuniestica Sinaga, Made Krisna Adi Jaya)	
ANTI-INFLAMMATORY ACTIVITIES OF PEPEROMIA PELLUCIDA [L.] KUNTH. : A REVIEW .....	39-44
(I Gusti Agung Ayu Kartika, Ni Ketut Sinarsih, Ni Made Dwi Mara Widayani Nayaka)	