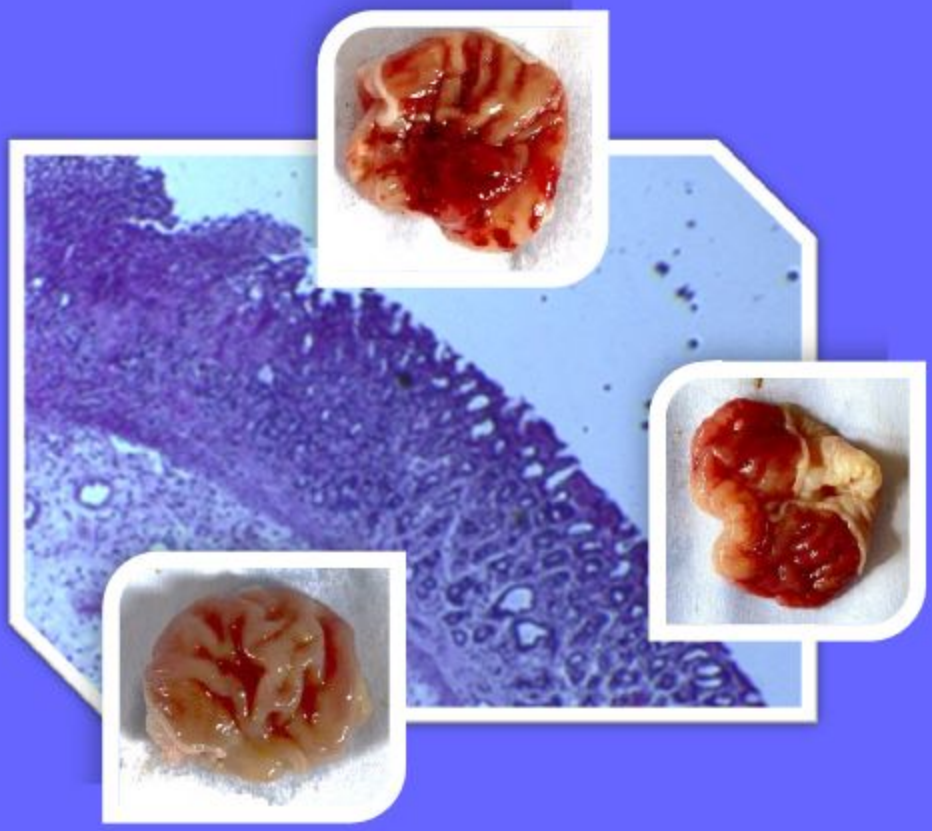
Volume 20, Nomor 1, 2023
p-ISSN 1693-5683
e-ISSN 2527-7146

JURNAL FARMASI SAINS DAN KOMUNITAS

Journal of Pharmaceutical Sciences & Community



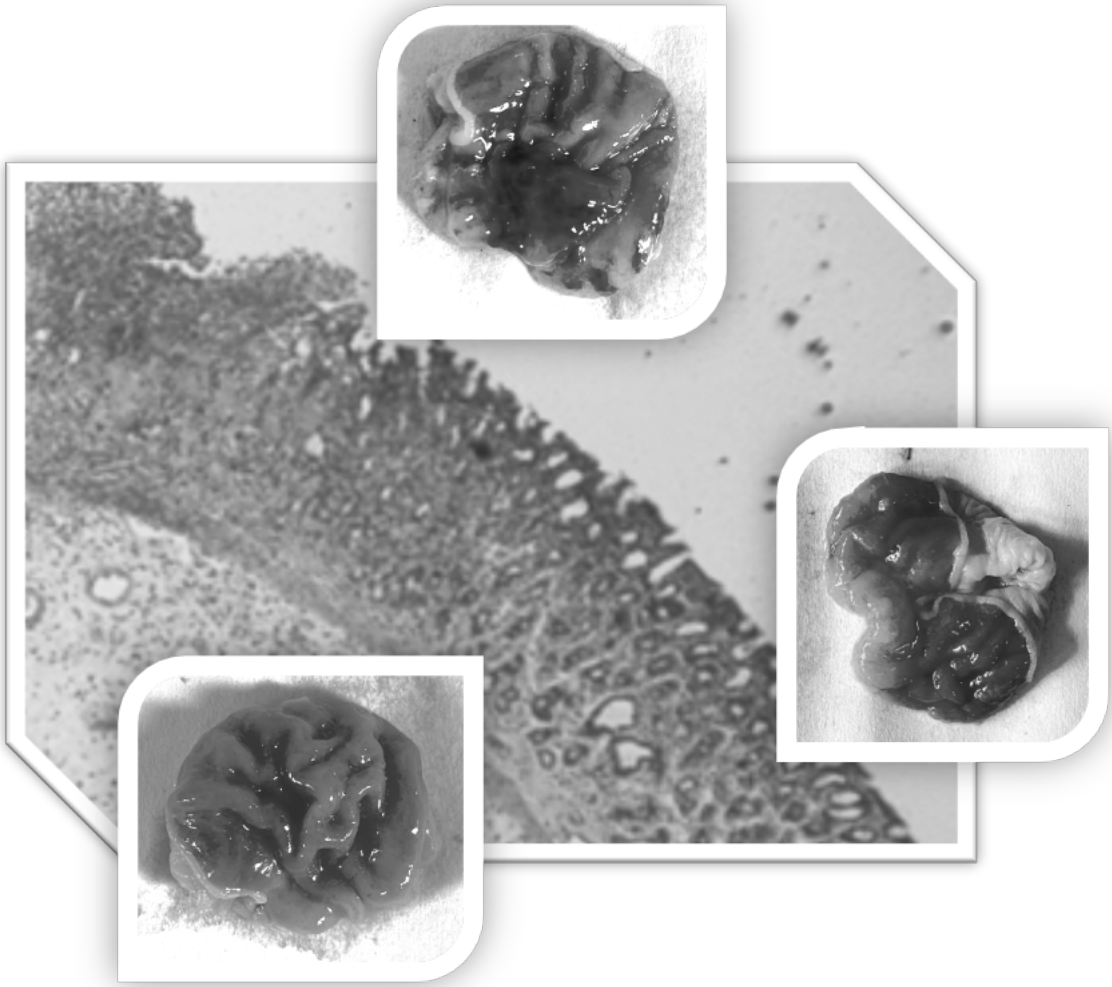
Accredited by DIKTIRISTEK KEMDIKBUD
No. 158/E/KPT/2021

JFSK	Vol. 20	No.1	PP. 1-113	Yogyakarta, May 2023	p-ISSN 1693-5683 e-ISSN 2527-7146

Volume 20, Nomor 1, 2023
p-ISSN 1693-5683
e-ISSN 2527-7146

JURNAL FARMASI SAINS DAN KOMUNITAS

Journal of Pharmaceutical Sciences & Community



Accredited by DIKTIRISTEK KEMDIKBUD
No. 158/E/KPT/2021

JFSK	Vol. 20	No.1	PP. 1-113	Yogyakarta, May 2023	p-ISSN 1693-5683 e-ISSN 2527-7146

JURNAL FARMASI SAINS DAN KOMUNITAS
Journal of Pharmaceutical Sciences & Community
p-ISSN 1693-5683 e-ISSN 2527-7146

Jurnal Farmasi Sains dan Komunitas
Vol. 20, No.1, May 2023

Editor in Chief
Florentinus Dika Octa Riswanto
Faculty of Pharmacy Universitas Sanata Dharma, Campus III Paingan, Maguwoharjo, Depok, Yogyakarta 55282, Indonesia; Email: dikaocta@usd.ac.id

Vice Editor in Chief
Dita Maria Virginia, Universitas Sanata Dharma, Indonesia

Advisory Editorial Board
Enade Perdana Istyastono, Universitas Sanata Dharma, Indonesia
Dewi Setyaningsih, Universitas Sanata Dharma, Indonesia
Fenty, Universitas Sanata Dharma, Indonesia
Yosef Wijoyo, Universitas Sanata Dharma, Indonesia
Phebe Hendra, Universitas Sanata Dharma, Indonesia

Editorial Board
Bandana Saini, University of Sydney, Australia
P.T. Thomas, Taylor's University, Malaysia
Phayom Sookaneknun, Mahasarakham University, Thailand
Monet M. Loquias, University of the Philippines, Philippines
Yashwant Pathak, University of South Florida, USA
Rizky Abdulah, Universitas Padjadjaran, Indonesia
Aty Widyawaruyanti, Universitas Airlangga, Indonesia
Maywan Hariono, Universiti Sains Malaysia, Malaysia
Auliya A. Suwantika, Universitas Padjadjaran, Indonesia
Irma Melyani Puspitasari, Universitas Padjadjaran, Indonesia
Rano K. Sinuraya, Universitas Padjadjaran, Indonesia
Aris Widayati, Universitas Muhammadiyah Yogyakarta, Indonesia
Sri Hartati Yuliani, Universitas Sanata Dharma, Indonesia
Yustina Sri Hartini, Universitas Sanata Dharma, Indonesia
Christine Patramurti, Universitas Sanata Dharma, Indonesia

Managing Editor
Michael Raharja Gani, Universitas Sanata Dharma, Indonesia
Dina Christin Ayuning Putri, Universitas Sanata Dharma, Indonesia
Zita Dhirani Pramono, Universitas Sanata Dharma, Indonesia

Proofreading
Center for Journal Publishing, Universitas Sanata Dharma

SEKRETARIAT JURNAL FARMASI SAINS DAN KOMUNITAS
Faculty of Pharmacy Universitas Sanata Dharma, Campus III Paingan, Maguwoharjo, Depok, Yogyakarta 55282;
Phone: +62 (274) 883037, 883968 ext.52328; Fax: +62 (274) 886529;
Email: **editorial.jpsc@usd.ac.id**
Website: **http://e-journal.usd.ac.id/index.php/JFSK/**

All orders for hardcopy of the journal may be sent via email to *editorial.jpsc@usd.ac.id* with the subject Order Journal. The price of an issue is IDR 250,000.00. The price is not included the packaging and postal delivery fees to the address of the subscribers. Payments should be performed via transfer to **CIMB Niaga (Account holder: Lembaga Penelitian Univ. Sanata Dharma, Account Nr. 800077540800).** The order will be executed when payment have been performed and the proof of payment has been scanned and sent accordingly.

JURNAL FARMASI SAINS DAN KOMUNITAS
Journal of Pharmaceutical Sciences & Community
p-ISSN 1693-5683 e-ISSN 2527-7146

Jurnal Farmasi Sains dan Komunitas
Vol. 20, No.1, May 2023

CONTENTS

Research Articles

Optimization of Stearic Acid and Triethanolamine in The Antibacterial Cream *Staphylococcus aureus* Ethanol Extract of Papaya Seeds (*Carica papaya* L.): Factorial Design Method 1-9
Jacinda Yakub, Wahyuning Setyani

Patients with COVID-19 Critical Illness Have a Significantly Higher Systemic Immune-Inflammatory Index on Admission
Fenty, Dita Maria Virginia, I Made Adi Ananda Putra, Devie Kristiani, Lisa Kuniasari 10-14

In Vitro and In Vivo Anti Hyperglycemic Evaluation of *Sterculia quadrifida* Bark through The Inhibition of Alpha Glucosidase
Jeffry Julianus, Maria Dewi Puspitasari Tirtaningtyas Gunawan-Puteri, Radhita Wiwengku, Agustina Setiawati, Phebe Hendra 15-21

Socialization of TB Zero Program During The COVID-19 Pandemic for Residents of Islamic Center Residences in Kediri 22-28
Assolychathu Jaroh, Titien Siwi Hartayu

The Effect of Education Models on Changed Misconceptions About Long-Term Medication Inducing Renal Impairment
Vitarani Dwi Ananda Ningrum, Rahma Yuantari, Irwan Nuryana Kurniawan, Devi Wahyuni 29-39

Gastroprotective Effects of the Combination of *Chromolaena odorata* L. and *Pachyrhizus erosus* L. Extracts on Rats with Gastric Ulcer Model 40-45
Reza Pertiwi, Reza Rahmawati, Aanisah Hanuun, Noval Kurnia Wati, Tesa Pebiani, Ridho Kurnia, Wafa Syahidah, Risky Hadi Wibowo, Doni Notriawan

Duration of Zidovudine Consumption Correlates with Anemia in People Living with HIV 46-51
Danis Pertiwi, Muchlis Achsan Udji Sofro, Tri Indah Winarni, Ari Natalia Probandari

JURNAL FARMASI SAINS DAN KOMUNITAS
Journal of Pharmaceutical Sciences & Community
p-ISSN 1693-5683 e-ISSN 2527-7146

Jurnal Farmasi Sains dan Komunitas
Vol. 20, No.1, May 2023

Development and Evaluation of Microemulsion-Based Sunscreen Cream Containing Lycopene from Tomato (*Solanum lycopersicum* L.) 52-59
Ritha Pratiwi, Nandiska Maladjili, Evi Sulastri, Yusriadi, Nuur Aanisah, Armini Syamsidi

E-Health Literacy and Adherence to Health Protocols Among Self-Quarantined Patients with COVID-19 in a Sub-district in West Java 60-69
Hesty Utami Ramadaniati, Sondang Khairani, Nurul Azizah

The Association Between Medication Adherence and Blood Pressure Control in End-Stage Renal Disease Patients with Hemodialysis 70-77
Pande Made Desy Ratnasari, Ketut Tia Pran Anggar Yani, Agustina Nila Yuliawati, Anak Agung Ngurah Putra Riana Prasetya

Wound Healing Effectivity of *Ageratum conyzoides* L. Leaf Ethanolic Extract (Purple Flower Type), *Centella asiatica* (L.) Urban Leaf Ethanolic Extract, and Astaxanthin Combination Gel Preparation in Diabetic Animal Model 78-83
Sarah Sahila, Hendy Suhendy, Yedy Purwandi Sukmawan

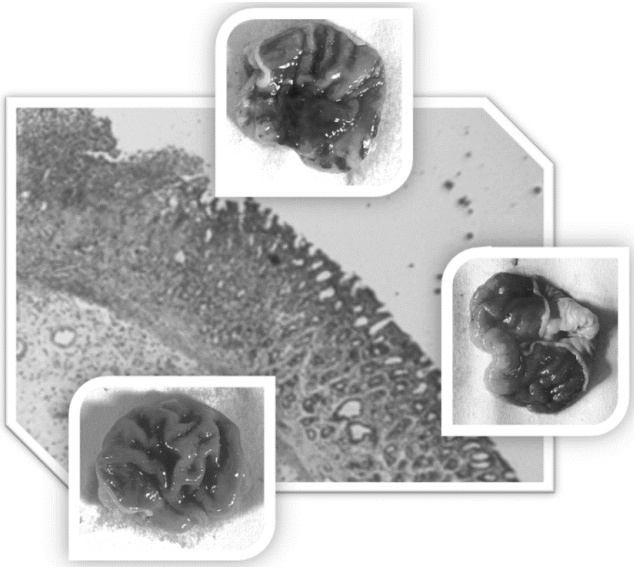
Molecular Dynamics Study of Human MTHFR Wild-Type and A222V Mutant-Type: A Computational Approach 84-89
Michael Resta Surya Yanuar, Dita Maria Virginia, Enade Perdana Istyastono

Review Article

Gold Nanoparticles with Natural Ingredients as Anti-Aging: A Systematic Review 90-113
Agita Dyah Permatasari, Yandi Syukri, Sista Werdyani

JURNAL FARMASI SAINS DAN KOMUNITAS
Journal of Pharmaceutical Sciences & Community
p-ISSN 1693-5683 e-ISSN 2527-7146

Jurnal Farmasi Sains dan Komunitas
Vol. 20, No.1, May 2023



Cover picture:
See Pertiwi et al., pp. 40-45

Figure 1. Macroscopic overview of the rat's gastric after treatment.

Figure 2. Histopathological overview of the rat's gastric