

Journal of Mathematical and Fundamental Sciences

Journal of Mathematical and Fundamental Sciences welcomes full research articles in the area of Mathematics and Natural Sciences from the following subject areas: Astronomy, Chemistry, Earth Science (Geodesy, Geology, Geophysics, Oceanography, Meteorology), Life Sciences (Agriculture, Biochemistry, Biology, Health, Medical, Pharmacy), Mathematics, Physics, and Statistics. Authors are invited to submit articles that have not been published previously and are not under consideration elsewhere.

Starting from Vol. 1, No. 1, 1961, full articles published are available online at <http://journals.itb.ac.id>, and indexed by Scopus, Thomson-Reuters Emerging Sources Citation Index (ESCI), Scimago JR, Directory of Open Access Journals (DOAJ), Google Scholar, Index Copernicus, The Elektronische Zeitschriftenbibliothek (EZB) by University Library of Regensburg, EBSCO Open Science Directory, Indonesian Publication Index and Science and Technology Index (SINTA) and Chemical Abstract Service (CAS).

Publication History

Currently known as:

Journal of Mathematical and Fundamental Sciences

Formerly known as:

- ITB Journal of Science (2008 – 2012)
- Proceedings ITB Sains dan Teknologi (2003 - 2007)
- Proceedings ITB (1961 - 2002)

Editorial board of Journal of Mathematical and Fundamental Sciences

Chief Editor Agustinus Agung Nugroho Sulistyono Hutomo Faculty of Mathematics and Natural Sciences ITB, Indonesia	Ferry Iskandar Faculty of Mathematics and Natural Sciences ITB, Indonesia	Ram N. Mohapatra Department of Mathematics University of Central Florida, USA	Edy Soewono Faculty of Mathematics and Natural Sciences ITB, Indonesia
Editorial Board Edy Tri Baskoro Faculty of Mathematics and Natural Sciences ITB, Indonesia	Ismunandar Faculty of Mathematics and Natural Sciences ITB, Indonesia	James Mori Disaster Prevention Research Institute Kyoto University, Japan	Yana Maolana Syah Faculty of Mathematics and Natural Sciences ITB, Indonesia
Neville Fowkes School of Mathematics & Statistics, University Western Australia.	Brendan J. Kennedy School of Chemistry, University of Sydney, Australia	Rino R. Mukti Faculty of Mathematics and Natural Sciences ITB, Indonesia	Daryono Hadi Tjahjono School of Pharmacy ITB, Indonesia
Thomas Götz Mathematisches Institut Universität Koblenz- Landau, Germany	Hans-Dieter Liess Faculty Electrical Engineering and Information Technology, University of the Federal Armed Forces Munich, Germany	Tati S. Sjamsudin School of Life Sciences and Technology ITB, Indonesia	Tony Whitten Fauna & Flora International (FFI) Washington, DC, USA
			Sri Widiantoro Faculty of Mining and Petroleum Engineering ITB, Indonesia

Publication assistant: Dini Sofiani Permatasari & Budhi Mulyawan Rachmat. Address: *ITB Journal Publisher*, LPPM ITB, Center for Research and Community Services (CRCS) Building 6th & 7th Floor, Jl. Ganesha No. 10 Bandung 40132, Indonesia, Tel. +62-(022)-86010080, Fax.: +62-(022)-86010051; e-mail: jmfs@lppm.itb.ac.id.

Distribution: Distributed to other universities and research institutions for exchange publications, and to regular subscribers.

Subscription per issue: Rp 100.000,- (domestic) and \$50 (overseas). Order form for subscription should be sent to the editorial office.

Reg. No. 691-SIC-UPPGT-SIT-1963, Accreditation No. 040/P/2014 (Februari 2014-Februari 2019)

Published by *ITB Journal Publisher*, The Institute for Research and Community Services, Institut Teknologi Bandung (ITB) in collaboration with Indonesian Chemical Society (Himpunan Kimia Indonesia-HKI).

Cover Design by Chandra Tresnadi.

Table of Contents

1. Modelling Multiple Dosing with Drug Holiday in Antiretroviral Treatment on HIV-1 Infection Sutimin, Nuning Nuraini, Faraimunashe Chirove & Lisyani Budipradigda Suromo	1
2. On The Partition Dimension of Disconnected Graphs Debi Oktia Haryeni, Edy Tri Baskoro & Suhadi Wido Saputro	18
3. Riesz Representation Theorem on Bilinear Spaces of Truncated Laurent Series Sabarinsyah, Hanni Garminia & Pudji Astuti	33
4. Inhibition of Mammary Gland Cancer Development by Propolis and Mangostin in Female Mice Balb/C Marselina Irasonia Tan & Irham Hayati	40
5. The Reliability of Wireless Sensor Network on Pipeline Monitoring System Hafizh Prihtiadi & Mitra Djamal	51
6. Quantitative Analysis of Color Combination from LED and Laser Light Sources Using Modified CIE 1931 Color Space Coordinates Isnaeni & Lyon Titok Sugiarto	57
7. Stability in Functional Integro-differential Equations of Second Order with Variable Delay Melek Gözen & Cemil Tunç	66
8. Safe Dosage of Caprine CSN1S2 Protein from Fresh Local Goat Milk for Rats Evaluated by Acute and Sub-Chronic Toxicity Testing Fatchiyah, Bambang Setiawan, Nia Kania, Takeshi Ohta, VitaAgustina & Suharjono	90