

CONTENTS

Restricted Size Ramsey Number Involving Matching and Graph of Order Five	133
Denny Riama Silaban, Edy Tri Baskoro & Saladin Uttunggadewa	
Classification and Dynamics of Class of $\xi^{(as)}$-QSOs	143
Hamza Abd El-Qader, Ahmad Termimi Ab Ghani & Izzat Qaralleh	
Rational Design, Synthesis and Cytotoxic Activity of N-(Phenylcarbamoyl) Benzamide on HeLa Cell Lines	174
Bambang Tri Purwanto, Siswandono, Suko Hardjono & Tri Widiandani	
Hankel Inequalities for a Subclass of Bi-Univalent Functions based on Salagean type q-Difference Operator	189
Sibel Yalçın, Şahsene Altınkaya, Gangadharan Murugusundaramoorthy & Kaliappan Vijaya	
Synthesis of Oligosuccinimide and Evaluation of Its Corrosion Inhibition Performance on Carbon Steel in CO₂-Saturated 1% NaCl Solution	202
Muhamad Jalil Baari, Bunbun Bundjali & Deana Wahyuningrum	
Spectral Analysis of Proton-Irradiated Natural MoO₃ Relevant for Technetium-99m Radionuclide Production	222
Imam Kambali, Rajiman, Parwanto, Marlina, Kardinah, Nur Huda, Ferdi Dwi Listiawadi, Herta Astarina, Ratu Ralna Ismuha, Heranudin & Hari Suryanto	
Growth Stratigraphic Model of East Biak Based on Magnetotelluric Data	232
Alviyanda, Gusti Muhammad Lucki Junursyah & Prihadi Sumintadireja	
Continuous-Like Linear Operators on Bilinear Spaces	250
Sabarinsyah, Hanni Garminia & Pudji Astuti	

ISSN: 2337-5760



Journal of Mathematical and Fundamental Sciences

Journal of Mathematical and Fundamental Sciences

Vol. 52, No. 2, September 2020



Institute for Research and Community Services
Institut Teknologi Bandung



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 Sciences (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, Web of Science (Emerging Sources Citation Index), 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, ASEAN Citation Index, Indonesian Publication Index (IPI), 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 Sulistyio 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	Sri Widiyantoro 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. 30/E/KPT/2018

Published by 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.

9. Manuscript preparation

Use the English language and the SI system (Système International d'Unités, often referred as "International Units") for measurements and units. Manuscript in MS Word or PDF format (generated from MS Word) is to be submitted online through <http://journals.itb.ac.id/index.php/jmfs/>. The length of manuscript is expected not to exceed 20 printed pages (single space) including abstract, figures, tables and references. An abstract between 100 and 200 words describes the significance of manuscript should be included. The authors should supply 5-10 keyword or phrases that characterizes their manuscript. Use 11 pt Times New Roman fonts for body of the text with 1.0 line spacing between lines. The references should be numbered consecutively in the order of their appearance and should be complete, including authors' initials, the title of the paper, the date, page numbers, and the name of the sponsoring society. Please compile references as shown in the examples below. Figures are printed in black & white, while color figures are only available online. Adjust the size of figures and tables as they will be appeared. All figure captions should be legible, minimum 8 point type. For all equations, use either Microsoft Equation Editor or MathType add-on (equation using Office 2007 are not acceptable). Equations are numbered consecutively in parenthesis, e.g. (1), and set at the right margin.

Reference examples:

- [1] Sutasurya, L.A. & Riyanto, B., *Title of Paper*, Name of Journal, **8**(1), pp. 20-25, Dec. 2005. (Journal)
- [2] Sutasurya, L.A., Handojo, A. & Riyanto, B., *Title of book*, ed. 2, Publisher, 2007. (Book)
- [3] Williams, J., *Name of Paper*, Name of Book, Name of the editor(s), eds., Publisher, pp. 67-69, 2006. (Book with paper title and editor)
- [4] Suharto (ed), *Title of Paper*, Name of Proc., pp. 5-10, 2008. (Conference Proceedings)
- [5] Name of the author(s), *Title of paper* (if available), Organization, URL Link, (1 April 2011). (URL Link)
- [6] Nicole, R., *Title of Paper*, Name of Journal, submitted for publication. (Pending publication)
- [7] John, K., *Title of Paper*, unpublished. (Unpublished manuscript)
- [8] Rashid, L., *Title of Dissertation*, PhD dissertation, Name of Dept., Name of Univ., City, 2010. (Thesis or Dissertation)
- [9] Jenny, P., Name of Institution, City, personal communication, 2010. (Personal communication)
- [10] Name of the author(s), *Title of Technical Report*, Technical Report TR-0334 (34-56), Name of Institution, City, Dec. 2009. (Technical report with report number)